Exploring exercise specificity in powerlifting: A survey of powerlifters' training practices and demographic influences

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Abstract

This study aimed to examine powerlifters' training practices related to exercise specificity. A total of 548 powerlifters responded to an anonymous online survey, with 401 completing all questions. On average, lifters trained 4.25 times per week and performed the competition-style squat, bench press, and deadlift 1.64, 2.48, and 1.37 times per week, respectively – typically using 1-7 repetitions at ratings of perceived exertion (RPEs) of 6-10. Almost all lifters (>97.5%) incorporated varied practice, including barbell variations (squat: 1.50×, bench press: 2.14×, deadlift: 1.26×) and accessory exercises (squat: 1.73×, bench press: 2.46×, deadlift: 1.72× per week). These were generally performed with 4-7 repetitions at RPE6-8.5 for variations, and ≥8 repetitions at RPE6-10 for accessories. The most common barbell variations involved slower eccentric phases, added or prolonged pauses in the bottom position, among others. Most lifters modified how they programmed (i.e., volume, frequency, relative-load, or RPEs) the competition lifts (88.2%), barbell variations (71.7%), and accessory exercises (62.3%) as competition approached, while 35.1-45.7% changed exercise selection depending on competition proximity. However, 49.0-58.7% maintained consistent exercise selection throughout competition periods. These programming decisions were influenced by athlete characteristics such as gender, use of supportive equipment, age, weight class, relative strength, and training status. Collectively, these findings indicate that varied practice is common in powerlifting.

Key words: resistance training, varied practice, variation, exercise selection

INTRODUCTION

Powerlifting is an exponentially growing sport (33) where athletes compete for the highest combined total across the back squat, bench press, and deadlift (i.e., the powerlifts) (21). The powerlifts are also widely used in recreational, athletic, and research settings (13). Powerlifters specialise in developing maximal strength, a quality linked to various athletic (34,73), mental (10), and physical (77,80) health outcomes, as well as mortality risk (25), making their training practices broadly relevant.

Research focuses on the influence of volume (63), relative-load (51), and proximity-to-failure (65) on strength. However, exercise specificity and transfer are less explored, particularly in powerlifting. Strength increases rapidly with highly specific training, which may plateau quickly, especially with low volume (3,4). While increasing specific practice volume may be beneficial (4), once a threshold is met, adding lower-specificity training may better support strength development (23,28). Greater practice variability and targeted exercise selection are thought to promote technical, neurological, psychological, and morphological adaptations conducive to performance (12,23,36), particularly among high-skill athletes (12). Such variability may also reduce the risk of overtraining (28), overuse injury (9,72), burnout (47), and eventual withdrawal from sport (57) associated with highly specialised training. However, little is known about varied practice and specificity in powerlifting, and further research is needed to examine this phenomenon and its potential mechanisms.

In the context of this study, varied practice encompasses any exercise differing from the powerlifts as performed in competition, with all exercises existing on a specificity continuum from completely specific competition lifts, through closely related barbell variations, to progressively less specific accessory exercises. Barbell variations are defined as any bilateral barbell-loaded movement training similar movement patterns, muscles, or both as the competition lift, but performed with at least one alteration in execution making it differ from the competition lift (e.g., tempo manipulation, accommodating resistance, specialty bars, among others). Accessory exercises are defined as those training similar motor patterns, muscles, or both as the competition lifts but are not simultaneously

barbell-loaded and bilateral in nature (e.g., machine-based, unilateral, and isolation exercises, among others).

To bridge research-practice gaps, surveys are essential (52). Previous work indicates powerlifters train 3-5 times weekly (24,30,69,72,78), with back squat and deadlift performed 1-2, and bench press 2-3 times weekly, respectively (24,30,69,70,72,78), although Norwegian lifters reported higher frequencies (69). While competition-style powerlifts form the foundation of training (24), powerlifters also incorporate a variety of other exercises into their routines (24,69,70,74,78). These practices may vary with competition level (69,70,78), competition proximity (30,60), gender (78), and age (69), though findings are inconsistent (24,69,70,72,78). However, practical insights into powerlifting exercise variation remain limited, as studies: i) lack clarity in their terminology and inclusion criteria for exercise categories (24,70,78); ii) include limited exercise options (69,74); and iii) focus exclusively on raw (i.e., without the use of a squat suit, bench shirt, or knee wraps) (24,30,60,70,72) or equipped lifters (74), or neglect specifying competitive division (69). Therefore, more detailed research exploring exercise specificity in powerlifting is needed.

Therefore, we examined powerlifters' training practices, focusing on exercise selection and execution. We explored how practices vary across demographic characteristics and the competitive season to bridge gaps between science and practice, providing practical insights and future research avenues.

METHODS

Experimental approach to the problem

An open-invite, anonymous, global, electronic survey was developed to explore exercise specificity and variation programming practices of powerlifters, following the Checklist for Reporting Results of Internet E-Surveys (CHERRIES) (18). The survey was advertised on social media with an internet link. The first page detailed the purpose, content and length; how, when and where data would be stored; and

who the researchers were before the survey began. Data collection occurred between June and October 2024.

Subjects

Participant inclusion criteria were i) be ≥18 years of age, ii) undergone structured strength training for ≥2 years and iii) competed in a drug-tested sanctioned powerlifting competition within ≤18 months. The third criterion was included to ensure participants competed under standardised technical execution rules, as drug-tested federations typically uphold more consistent judging standards and competition protocols, which may influence training specificity and exercise selection practices. Being anonymous, participants were advised participation was voluntary, and consent was provided by beginning. The protocol was approved by the Auckland University of Technology Ethics Committee (AUTEC no. 23/355).

Recruitment posts reached at least 41,511 social media accounts, with 728 users clicking survey links. Sections 1-5 were completed by 548, 438, 411, 401, and 401 respondents, respectively, yielding a 55% completion rate (401 of 728) and 25.1% data missingness (5,923 of 23,564 potential data points across 548 responses and 43 unanswered questions). These numbers likely overestimate missingness, as they do not account for survey flow logic (e.g., questions about isolation exercises were skipped if participants reported not using them). Summary and detailed sample characteristics are in **Table 1** and **Supplemental Digital Content 1**. Demographics were comparable between partial (section 1 only) and complete responses (**Supplemental Digital Content 1**), suggesting no systematic attrition bias. Therefore, all available responses were included in the analysis for each individual question.

Procedures

The survey was split into five parts: athlete background (section 1), exercise selection, frequency and programming of the squat (section 2), bench press (section 3), and deadlift (section 4), and impact of competition schedule on exercise selection and programming of each powerlift (section 5). A draft was

piloted (7) with a convenience sample of eight powerlifters who provided feedback 1-3 times each. Issues were: i) survey length (up to 30 minutes), ii) unclear exercise categorisation, iii) non-exhaustive answers, and iv) unclear questions due to length, wording, or both. To enhance participation, completion, and data quality (7,71), i) questions were restructured to maximise granularity while reducing the number of questions, ii) questions were made more concise, unambiguous and specific, and iii) answers were made exhaustive and mutually exclusive. The final 43-question version was built and distributed using Qualtrics (Seattle, WA, USA). A custom path through the questionnaire dependent on respondent answers to 20-43 potential questions was built via display logic and exclusive answers. Each page displayed 3-10 questions and a back button allowed participants to change answers. **Supplemental Digital Content 2** is the survey transcript**.**

Statistical Analyses

Statistical analyses were conducted using R language (62) in RStudio (2023.06.1). Given its exploratory nature, the aim was not to control error rates or test hypotheses, but to explore the data and provide probabilities (67) of training practices among powerlifters across demographic factors. Therefore, we used an estimation-based approach, with results interpreted continuously and probabilistically, compatible with the data and their precision within a Bayesian framework (44). To ensure reproducibility and rigor, we followed the WAMBS (When to Worry and how to Avoid the Misuse of Bayesian Statistics) checklist (14).

Per their answers, respondents were classified by demographic characteristics inspired by previous research (39,40), considering which characteristics might theoretically affect programming practices. These included division (raw vs. equipped), gender (men vs. women), age class (sub-juniors and juniors vs. open vs. masters), weight class (women's under 47, 52, 57, and 63 kg and men's 59, 66 and 74 kg classes [lightweight], vs. women's under 69, and 76 kg, and men's under 83, and 93 kg classes [middleweight], vs. women's under 84 and over 84 kg and men's under 105, 120, and over 120 kg classes [heavyweight], **Supplemental Digital Content 3** provides details), relative strength (i.e. International Powerlifting Federation Goodlift points [GLP], a relative strength indicator, normalised based on body

mass, age and gender (35)) from their best competition 3-lift total [from <50 points to >110 point in 5 point increments]), and powerlifting and resistance training experience (<1 years to >10 years in 1-year increments). Demographic variables were treated as ordinal, expect for division and gender which were classified as nominal given no natural order.

Training frequency questions were treated as numerical values (i.e., zero to seven weekly sessions) and analysed using Bayesian linear mixed-effects modelling. Each model (i.e., each individual question) included previously mentioned demographic factors as fixed effects, along with random intercepts for individual respondents to account for nested data structure (i.e., multiple responses per respondent) (56). For categorical responses, our plan to use multinomial logistic regression was unsuccessful due to sparse data in some response categories causing convergence issues. Consequently, we restructured data so each row represented a specific response, with binary outcomes indicating whether respondents selected that option (1 = selected, 0 = not selected). Questions where no option was selected were excluded during restructuring. We then implemented Bayesian binary logistic regression each question to estimate probabilities of selecting each response. These models included response item as a fixed effect, with interaction terms between response items and demographic variables to assess how demographic factors influenced probabilities of selecting each response. Within-respondent correlations were accounted for with random intercepts for individual respondents. When using multi-level ordinal predictors, mixed-effects models by default attempt to fit a full set of polynomial contrasts, including higher-order terms up to the number of levels minus one. However, this is problematic when the objective is to capture trends rather than specific inflection points as our primary aim was to (1) identify general (e.g., linear or curvilinear) trends in training practices across levels of training status; (2) there was no theoretical basis to expect sharp, isolated behaviour changes at specific experience levels (e.g., training year 5 differing drastically from 4 and 6); (3) modelling level-specific effects across multiple ordinal predictors increases risks of spurious findings; and (4) fitting higher-order polynomials reduces power and computational efficiency (15). Therefore, we used orthogonal weighted polynomial contrasts for GLP and training experience, restricting them to linear and quadratic components. This approach used the

weightedcontrasts package (15), which accounts for uneven samples across levels when estimating contrast coefficients.

All models were fitted using the *brms* package (8) and run with 8,000 iterations (4,000 warm-up iterations). Weakly informative priors were applied to minimise prior influence while enhancing numerical stability and model convergence (27). For linear mixed-effects models, Student's t(3, 0, 10) priors were applied to fixed effects and intercepts, with lognormal(0, 2) priors for the standard deviation of random effects (26). For binary models, fixed effects used normal(0, 5) priors, and random effect standard deviations used Cauchy(0, 5) priors (59). Results for each question are reported as means (for continuous data) or percentage counts within the question sample (for categorical data), while demographic variable effects are presented as point estimates (for numeric outcomes) or odds ratios (OR; for categorical outcomes), calculated by exponentiating log odds from the model, along with associated 95% credible intervals (CrI). The 95% CrI represents the range within which there is a 95% probability that the true parameter value lies, given the data and the prior (44). Statistical inferences were based on whether the 95% credible interval (CrI) excluded zero for continuous outcomes or one for odds ratios, indicating at least a 95% probability of a true effect. As respondents could select multiple responses, percentages may not equal 100%. Model fit, predictive accuracy, and convergence were assessed using R-hat statistics, effective sample sizes, the Geweke diagnostic, and posterior predictive checks (14,68).

RESULTS

Median survey completion time was 14.3 minutes (IQR: 9.7–18.5 minutes). Full results, including model summaries, diagnostics, and the WAMBS checklist, are in **Supplemental Digital Contents 1** and **4**. Diagnostic checks indicated model convergence and strong predictive accuracy. For explanations of specific exercises, please refer to **Tables S3**, **S7**, and **S11** in **Supplemental Digital Content 1**.

[Table 1 here]

General training practices

Powerlifters trained 4.25 times per week (95% CrI: 4.19, 4.31). Weekly powerlift frequencies were 1.64 (95% CrI: 1.58, 1.69) for the squat, 2.48 (95% CrI: 2.41, 2.55) for the bench press, and 1.37 (95% CrI: 1.21, 1.42) for the deadlift (**Figures 1–3**). Almost all lifters incorporated accessory or variation exercises, with only 1.3%, 0.2%, and 2.5% exclusively performing competition-style squats, bench presses, and deadlifts, respectively.

Powerlifters including squat-focused barbell variations and accessory exercises did so 1.50 (95% CrI: 1.44, 1.56) and 1.73 (95% CrI: 1.67, 1.79) times per week, respectively (**Figure 1**). The most common squat variations were pause squats (85.5%), alternative bar placements (71.3%), and slow(er) eccentric squats (66.9%). Squat accessory exercises – including non-barbell and unilateral squat patterns, as well as isolation exercises for the knee and hip extensors – were similarly common, reported by 68.2-75.4% of respondents.

[Figure 1 here]

Powerlifters performing bench press barbell variations and accessory exercises did so 2.14 (95% CrI: 2.07, 2.21) and 2.46 (95% CrI: 2.39, 2.53) times per week, respectively (**Figure 2**). The most common bench press variations were long-paused bench press (83.8%), alternative grip widths (80.7%), Larsen/feet-up bench press (78.2%), slow(er) eccentric bench press (68.7%), and pressing at alternative angles (60.3%). The most common accessory exercises were triceps isolation movements (84.2%), non-barbell pressing (73.8%) and chest and anterior deltoids movements (67.7%).

[Figure 2 here]

Powerlifters performing deadlift barbell variations and accessory exercises did so 1.26 (95% CrI: 1.20, 1.32) and 1.72 (95% CrI: 1.65, 1.79) times per week, respectively (**Figure 3**). The most common deadlift

variations were Romanian or stiff-legged deadlifts (85.3%) and pause deadlifts (80.0%). The most common accessory exercises were hip extensor isolation movements (80.5%).

[Figure 3 here]

Powerlifts were most commonly performed for 1-7 repetitions at ratings of perceived exertion (RPE) (83) of 6-10, with higher repetitions and RPEs more common for the bench press (**Figures 1–3**). Barbell variations were typically programmed with 4-7 repetitions at RPE6-8.5, with a wider range observed for the bench press. Accessory exercises were generally performed for ≥8 repetitions per set at RPE6-10, although bench press and deadlift accessories were more often prescribed with lower repetitions and RPEs compared to squat accessories.

Changes across the competition season

36.1%, 24.5%, and 10.8% of powerlifters reported no changes in volume/frequency, relative load, or RPE for competition lifts, barbell variations, and accessory exercises, respectively, based on competition timing (**Figure 4**). For competition lifts, increases in relative load and RPE were most common (63.5-74.8%) when approaching competition, whereas reductions in frequency/volume were the primary changes for barbell variations (44.2%) and accessory exercises (45.3%).

[Figure 4 here]

49.0%, 52.0%, and 58.7% of powerlifters maintained consistent exercise selection in their squat, bench press, and deadlift training, respectively, regardless of competition timing (**Figure 5**). For squats, pause squats were most frequently increased closer to competition (64.3%), whereas other bar placements (51.5%), non-barbell (45.5%), and unilateral squat patterns (43.0%) were more common further from competition. For bench press, long-paused variations increased most near competition (81.9%), while alternative grip widths (50.6%), pressing angles (50.6%), Larsen/feet-up variations (47.5%), and non-barbell upper-body presses (44.4%) were more common away from competition. For deadlifts, pause

deadlifts were most commonly increased closer to competition (59.5%), while alternative stances (53.2%) and Romanian/stiff-legged deadlifts (55.6%) were more frequent further out.

[Figure 5 here]

Demographic influences

Competitive division, gender, age, weight class, GLP, and both powerlifting and resistance training experience were all found to credibly influence exercise selection and programming (**Figures 1-3**), as well as how competition proximity affected these programming decisions (**Figures 4-5**). These results are described in full in **Supplemental Digital Content 1**. Some noteworthy findings are presented below.

First, with higher GLP, the odds of including accessory exercises, such as unilateral squat patterns (OR_L = 1.14, 95% CrI: 1.03-1.25), pectoral/anterior deltoid isolation exercises (OR_L = 1.12, 95% CrI: 1.01-1.24), and unilateral hip hinge exercises (OR_L = 1.15, 95% CrI: 1.01-1.31) increased. Higher GLP lifters also had higher odds of performing their competition squats (1-3 repetitions at <6 RPE (OR_L = 1.13, 95% CrI: 1.02-1.27) or 6-8.5 RPE (OR_L = 1.20, 95% CrI: 1.08-1.33) and 4-7 repetitions at <6 RPE (OR_L = 1.19, 95% CrI: 1.07 1.33)), competition bench press (1-3 repetitions (OR_L = 1.16, 95% CrI: 1.01-1.33) and >8 repetition (OR_L = 1.22, 95% CrI: 1.03-1.47) at <6 RPE, and 4-7 repetitions at 6-8.5 RPE (OR_L = 1.15, 95% CrI: 1.02-1.31)), bench press variations (1-3 repetitions at <6 RPE (OR_L = 1.16, 95 CrI: 1.02-1.33)), competition deadlift (1-3 repetitions (OR_L = 1.13, 95% CrI: 1.01-1.29) and 4-7 repetitions (OR_L = 1.26, 95% CrI: 1.11-1.45) at <6 RPE), and deadlift variations (4-7 repetitions at <6 RPE (OR_L = 1.25, 95% CrI: 1.11-1.41)) with lower RPEs (**Figures 1-3**). Lifters with moderate GLP had higher odds than lifters with lower and higher GLP of incorporating a variety of barbell variations, including alternative bar placement squats (OR_Q = 0.09, 95% CrI: 0.02–0.43), specialty bars (OR_Q = 0.20, 95% CrI: 0.04–0.96), pin squats (OR_Q = 0.13, 95% CrI: 0.02–0.72), and box squats (OR_Q = 0.06, 95% CrI: 0.00 0.65). This also included the use of accommodating resistance in both squats (OR_Q = 0.08, 95% CrI: 0.01–0.81) and bench press (OR_L = 1.17, 95% CrI: 1.03–1.34; ORQ = 0.02, 95% CrI: 0.00–0.25)

(**Figures 1** and **2**). Moderate GLP lifters also had highest odds of performing their squat (OR_L = 1.12, 95% CrI: 1.02-1.23, OR_Q = 0.18, 95% CrI: 0.04 0.90), bench press (OR_Q = 0.08, 95% CrI: 0.02-0.47), and deadlift (OR_Q = 0.17, 95% CrI: 0.03-0.88) barbell variations at 4-7 repetitions at 6-8.5 RPE. These lifters also had higher odds of performing greater training volumes and frequencies (OR_Q = 0.07, 95% CrI: 0.01–0.47), and using heavier relative loads (OR_Q = 0.11, 95% CrI: 0.02–0.50) in competition lifts near competition (**Figure 4**).

Middleweight lifters were more likely than lightweight and heavyweight lifters to perform a greater number of weekly sessions (Q = -0.15, 95% CrI: -0.26 to -0.04) and to incorporate a variety of exercises into their training. These included pin squats (OR_Q = 0.63, 95% CrI: 0.41-0.93), non-barbell squat patterns (OR_Q = 0.54, 95% CrI: 0.35-0.82), isolated knee extension exercises (OR_Q = 0.58, 95% CrI: 0.38-0.89), long-paused bench press (OR_Q = 0.53, 95% CrI: 0.31-0.90), upper-body pressing with bodyweight (OR_Q = 0.55, 95% CrI: 0.36-0.84), and isolation exercises targeting the triceps (OR_Q = 0.59, 95% CrI: 0.34-1.00), pectorals, and anterior deltoids (OR_L = 1.71, 95% CrI: 1.04-2.82; OR_Q = 0.50, 95% CrI: 0.38-0.93) (**Figures 1-3**). Conversely, lighter lifters generally reported higher weekly frequencies of competition-style squats (L = -0.15, 95% CrI: -0.26 to -0.04), barbell squat variations (L = -0.21, 95% CrI: -0.34 to -0.08), and competition-style bench press (L = -0.30, 95% CrI: -0.49 to -0.09) compared to heavier lifters (**Figures 1-3**). Lighter lifters were also more likely to perform low (OR_L = 0.58, 95% CrI: 0.35-0.94) and moderate (OR_L = 0.61, 95% CrI: 0.37-0.99) repetitions at high RPEs in competition-style squats. In contrast, heavier lifters were more likely to perform sets of ≥8 repetitions at an RPE <6 for barbell variations (bench press: OR_L = 2.03, 95% CrI: 1.03-4.11, deadlift: OR_L = 2.42, 95% CrI: 1.16-5.45) and accessories (bench press: OR_L = 2.04, 95% CrI: 1.08-4.03, deadlift: OR_L = 2.63, 95% CrI: 1.36-5.25) (**Figures 1-3**).

Women were more likely than men to perform a variety of barbell variations and accessory exercises. These included squats with slower eccentric (OR = 0.40, 95% CrI: 0.23.0.70) or concentric (OR = 0.49, 95% CrI: 0.27-0.88) phases, pin squats (OR = 0.50, 95% CrI: 0.29-0.87), and eccentrically overloaded squats (OR = 0.14, 95% CrI: 0.04-0.45) and bench presses (OR = 0.29, 95% CrI: 0.09-0.95). Women

also had higher odds of incorporating hip extensor isolation exercises (OR = 0.42, 95% CrI: 0.19-0.93) (**Figures 1-3**). In contrast, men had higher odds of including pause squats (OR = 3.69, 95% CrI: 1.25-11.17), long-paused bench press (OR = 5.32, 95% CrI: 1.53-18.81), slow concentric deadlifts (OR = 366.04, 95% CrI: 4.69-55,102.77), and pause deadlifts (OR = 4.08, 95% CrI: 1.09-15.69) in their training closer to competition (**Figure 5**).

DISCUSSION

This study comprehensively explored powerlifting exercise selection and the influence of competition proximity and demographics. The main findings were: (1) Almost all lifters perform barbell variations and accessory exercises alongside competition-style powerlifts. (2) The most common barbell variations included slower eccentric phases, extended pauses in the bottom range, and lift-specific modifications such as alternative bar placements, grip widths, pressing angles, Larsen press, and stiff-legged deadlifts. (3) Competition lifts and barbell variations were typically trained with 1-7 repetition at RPE6-10 and 4-7 repetitions at RPE6-8.5, respectively, while accessory exercises were commonly performed with ≥8 repetitions at RPE6-10. (4) Near competition, most powerlifters changed powerlift, barbell variation, and accessory exercise programming, with powerlifts most affected by competition proximity, typically performed for higher relative-loads and RPEs, while volume/frequency reductions were typically implemented for barbell variations and accessories. (5) Exercise selection was mostly unaffected by competition proximity. However, 35-46% of powerlifters changed exercise selection based on competition season, with pause variations commonly implemented near competition, while barbell variations such as other bar placements, grip widths, stiff-legged deadlifts, among others, and accessory exercises were more likely performed further from competition. (6) Finally, many demographic variables were associated with exercise selection and execution variation, indicating some common training needs, preferences, responses, or a combination across powerlifter subgroups.

Like ours, previous surveys indicate powerlifters generally train 3-5 times weekly, squatting and deadlifting competition-style 1-2 times, and bench pressing 2-3 times per week (24,30,69,70,72,78), with additional exercises included (24,69,70,74,78). A novel insight was most common barbell

variations involved adding or extending pauses at the bottom position, slowing eccentrics, or other lift-specific modifications. Such modifications generally reduce load (48,49,81,82), and may be used to (1) target load-limiting joint ranges, (2) bias specific muscles, (3) provide constraints to improve motor learning and efficiency (4) manage load for fatigue and pain, (5) reduce monotony and boredom, among others. However, research is needed to explore these programming rationales.

The powerlifts are biomechanically disadvantaged, exhibiting reduced force production (6,75,76) and higher external joint moments (16,17,55), in bottom ranges. Thus, failed attempts typically occur when external forces exceed lifters' strength in these ranges, even with residual force enhancement from the prior eccentric phase (for squat and bench press) (64,75,76). Introducing bottom-phase pauses or longer eccentrics may reduce residual force enhancement (64,81,82), potentially increasing early concentric rapid force production demand (5,54) for bottom-range strength enhancement. While this hypothesis requires investigation in powerlifting contexts, bottom pauses and extended eccentrics can increase strength comparably to specific practice, despite lower absolute loading (2,54).

The squat and deadlift are hip-dominant movements, with hip joint moments exceeding knee moments by ~1.3- and ~3-fold, respectively, in bottom ranges (11,50). This load distribution shifts further towards the hip extensors with exertion and during the sticking region (11,50). Thus, powerlift-exclusive training may, over time, build disproportionate hip extensor strength relative to knee extensor strength (79). Given the substantial force contribution of the vastii musculature in the bottom ranges of the squat (41,61), this training-induced strength imbalance may hinder progress. Therefore, other bar placements (i.e., high bar, front, or safety-bar squat) or isolated quadriceps exercises that place greater emphasis on the knee extensors (43,45) could be hypothesised to promote more balanced strength development across joints and support continued progress. Similarly, for bench press, varying grip widths, pressing angles, accessory exercises, or removing leg drive could target specific muscle regions or joint ranges that may be undertrained by arched bench pressing. For deadlift, Romanian or stiff-legged variations (and isolation exercises) may more effectively train the hamstrings compared to powerlift-only training, as the hamstrings' minimally contribute to the squat (46) and since anecdotally, powerlifters often do

not control competition-style deadlift eccentric phases, which may limit hypertrophy (66). However, it should be noted that this section is purely speculative, and future studies are needed to investigate the validity of these proposed mechanisms within the context of powerlifting.

Two prior surveys examined powerlifting barbell variations (69,74), both with limited exercise options, and reported that a large proportion of powerlifters used accommodating resistance (39–77%), box squats (37–46%), board press (57–76%), and block pulls (77%). However, only 10–28% of our respondents used these variations – half or less than previously observed. These differences may reflect changes in powerlifting training over time, shifting from overloading the movement to targeting weaker positions, but may also reflect sample characteristic differences. Swinton et al. (74) apparently surveyed only equipped lifters (at the time of publication, only equipped international competitions were held), which may also partially apply to Shaw et al. (69), though regional training differences may be a factor. Indeed, our survey's equipped lifters had greater odds of performing these variations, whereas raw lifters used more slow(er) eccentric squats, deficit deadlifts, and bench press accessories. These findings suggest fundamental division-specific differences: raw lifters are more likely limited by bottom-range strength, while equipment contributes most to these ranges, requiring more lockout strength. However, our equipped sample was small (n = 19), making further research necessary to explore differences in training practices and adaptations.

Near competition, most powerlifters adjust competition (88.2%), barbell variation (71.7%), and accessory lift (61.3%) programming (**Figure 4**). Additionally, some powerlifters report squat (45.7%), bench press (43.2%), and deadlift (35.1%) related exercise selection depends on competition proximity (**Figure 5**). Prior research suggests 90–95% of powerlifters periodise training in some manner (69,74), but practical details on how this is implemented remain limited. We found most lifters increase competition lift relative-load and RPEs near competition – likely to enhance specificity (**Figure 4**). Likewise, ~45% reduce barbell variation and accessory exercise volume, frequency, or both, possibly to manage fatigue from increased specific practice. Barbell variations were by 24.8-28.5% of lifters also performed with heavier loads but lower RPE closer to competition (**Figure 4**), possibly reflecting a

strategy of high absolute load exposure while minimising fatigue by keeping exertion moderate (38). However, accessory exercise RPE tends to increase near competition (**Figure 4**), possibly to maintain or stimulate muscularity with less time and mental effort (37), generating lower fatigue than if the stimuli were delivered via barbell variations (42). These speculations warrant investigation, with future research exploring how to manipulate exercise selection to optimise fatigue and performance leading into competition.

Further from competition, alternative squat stances, bench press grip widths and angles, Romanian or stiff-legged deadlifts, and various accessory exercises were common (**Figure 5**), likely reflecting reduced need for specific practice, allowing greater variation to address different training goals. Near competition, pause squats, long-paused bench presses, pause deadlifts, and isolation – but not multi-joint – accessory exercises were most common (**Figure 5**). Explanations could be that these exercises serve as load-management tools to accommodate increased demands of specific practice, or are used to reinforce competition standards (e.g., squat depth, bench pauses) and efficient technique, which may deteriorate during peaking phases focused on heavy loads and high-arousal strategies. A focus on isolation – but not multi-joint accessories – closer to competition may support our earlier hypothesis that exercise selection changes are to minimise fatigue while maintaining a high training stimulus (42). Interestingly, some lifters did not alter barbell variation (24.5%) or accessory exercise (36.1%) programming near competition, and ~50% did not change exercise selection (**Figure 5**), possibly indicating systematic manipulation of training variables across the competition season is not essential for progress. Since this study cannot compare approaches, future research should investigate if systematic exercise selection and programming variation enhances strength, and whether transitioning from less to more specific training potentiates future strength development.

We found athlete demographics including gender, weight class, age, and training status influenced programming. High GLP lifters were more frequently coached, tended to perform more accessory exercises, and were more likely to incorporate lower RPE sets into their competition lift and barbell variation training (**Table 1,** and **Figures 1-3**). Moderate GLP lifters used more barbell variations than

low and high GLP lifters – though specificity increased near competition (**Figures 1-4**). Prior survey findings are mixed: some suggest international-level lifters use barbell variations – for squat and bench press – more frequently than lower-level lifters (24,78), while others report that competition-style powerlift frequency increases with competition level, and barbell variation use declines or remains unchanged (70). Inconsistencies across studies may stem from unclear terminology and inclusion criteria for exercise categories, as well as differing classifications of training status. For example, international-level athletes can vary widely in relative strength and experience, depending on national standards. We found less experienced or weaker lifters prioritised the competition lifts possibly to develop technical proficiency, whereas moderately advanced lifters incorporated broader ranges of barbell variations (**Figures 1-3**). The reason for this pattern is unclear. However, it is suggested that specific practice may be sufficiently challenging for lower-skilled athletes, while the value of varied practice increases with skill level to facilitate continued adaptation (12). As lifters become stronger and more experienced, reaching the highly advanced stage, training may then again shift from addressing weaknesses using a broader selection of barbell variations to maintaining technical consistency and muscular balance, often through targeted accessory work while sticking to a more limited range of barbell variations (**Figures 1-3**). The higher fatigue associated with lifting heavier absolute loads may also necessitate lower RPEs and a limited range of barbell variations to support individual needs. Previous research identified training status as a relevant factor influencing resistance training fatigue responses (1); however, the extent which this applies to different powerlifting programming strategies remains unclear.

Further, middleweight lifters typically completed more weekly sessions and were more likely to include pin squats, long-paused bench presses, and accessory exercises in their training (**Figures 1-3**). In contrast, lighter lifters squatted and bench pressed more frequently – both competition-style and variations – and were more likely to perform these lifts at higher RPEs compared to heavier lifters (**Figures 1-3**). These findings may suggest that lighter lifters can tolerate more frequent, higher-effort specific practice, potentially due to a combination of the lower absolute loads lifted in lighter weight classes (32,53) and the shorter barbell displacements associated with shorter statures (53). For

middleweights, the higher absolute loads, greater barbell displacement, or a combination may impose greater fatigue per set, which could limit the accumulation of specific practice. This may prompt a shift toward more varied exercise selection to maintain training stimulus while minimising fatigue – possibly necessitating more weekly sessions. For heavyweight lifters, fewer weekly sessions, lower training frequencies, and a greater proportion of sets performed at lower RPEs may reflect the need to manage accumulating fatigue associated with very high absolute loads. This could be further exacerbated by lower aerobic fitness (29), which, anecdotally, may be more common in this group. However, further research is needed to better understand how fatigue accumulates and progression differs among lifters with large differences in absolute strength, barbell displacement, and cardiovascular fitness.

Lastly, women were more likely than men to perform hip extensor isolation exercises and use a broader repertoire of barbell variations (**Figures 1-3**). Women also employed pause squats and deadlifts more frequently further from competition, whereas men tended to include more paused squats, bench presses, and deadlifts closer to competition (**Figure 5**). While previous surveys reported minimal gender differences in programming across exercises (69,70,78), one study noted that men were more likely to perform the competition-style bench press more frequently (78) and include block pulls in their training (69). Our findings support the notion that gender differences in training frequency across exercise categories are negligible but suggest that how these sessions are programmed may differ. The reasons for these differences are unclear. However, the broader use of barbell variations among women may reflect a greater likelihood of working with a coach (**Table 1**; (70,78)), potentially encouraging greater experimentation with different approaches. The higher prevalence of hip extensor isolation exercises among women may be explained by (1) societal beauty standards emphasising glute development to achieve an *hourglass* figure (19), or (2) men's generally higher hamstring-to-quadriceps strength ratio (31), possibly reducing their perceived need for additional hip extensor work. Finally, the greater use of paused variations by men closer to competition may be due to the higher absolute loads lifted, requiring the use of load-reducing variations to manage fatigue (1). These explanations remain speculative, and further research is needed to better understand the programming rationales of powerlifters.

This study has several limitations. As an anonymous survey, we cannot verify responses' truthfulness or participants' adherence to inclusion criteria. Second, cross-sectional designs limit causal inference or determination of the directionality of associations. Third, while our findings appear generalisable, caveats apply. We believe this is the largest survey of powerlifting training to date (24,69,70,72,74,78). Our sample included a 70:30 men-to-women ratio (96.5% raw lifters), with >70% of respondents reporting ≥2 years powerlifting experience and all-time best competition performance >70 GLP. These proportions mirror prior research on official competition data indicating ~30% women participation rates in powerlifting (32,33). Furthermore, 70 GLP roughly matches the 70th percentile of all-time powerlifting performances (32), and the average competitive lifespan of Australian powerlifters was reported as 1.8 years (33). Thus, our sample likely captured stronger, more experienced lifters than the average powerlifting population. Therefore, our findings may not fully reflect novice lifters' practices. Fourth, with only 19 equipped respondents, our competitive division results should be cautiously interpreted. Fifth, as the survey was distributed via the researchers' social media platforms, participation may have been biased towards more evidence-based powerlifters and may not accurately represent the broader powerlifting community. Finally, while surveys are a practical and appropriate method for examining exercise selection practices across diverse powerlifting populations, it is acknowledged that the findings reflect self-reported behaviours and perceptions rather than objectively verified training practices. As such, they may be better characterised as structured anecdote collection than empirical measurement.

PRACTICAL APPLICATIONS

We present a detailed overview of powerlifters' exercise selection and specificity. Most reported a range of barbell variations and accessory exercises alongside the competition lifts. Common variations included slow(er) eccentrics, added or prolonged pauses at the bottom range, and other lift-specific modifications. Exercise selection and programming seemingly varied based on the lift, competition proximity, and athlete characteristics such as use of supportive equipment, gender, age, weight class, and training status. These findings may serve as useful starting points for athletes and coaches when designing programs based on established practices. Future research should examine the rationale behind

these practices, the impact of exercise selection and programming, and how these interact with lifter characteristics to influence acute responses and long-term adaptations. Attention should be given to exercise variation's impact at different levels of strength and experience.

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		Gender division		Competition level		
	All (n = 548)	**Men (n = 381)**	**Women (n = 167)**	**Club/Regional (n = 239)**	**National (n = 218)**	**International (n = 91)**
Region of residence						
Africa	3 (0.5%)	2 (0.5%)	1 (0.6%)	0 (0.0%)	1 (0.5%)	2 (2.2%)
Asia	30 (5.5%)	21 (5.5%)	9 (5.4%)	15 (6.3%)	8 (3.7%)	7 (7.7%)
Europe	217 (39.6%)	145 (38.1%)	72 (43.1%)	67 (28.0%)	99 (45.4%)	51 (56.0%)
North America	226 (41.2%)	161 (42.3%)	65 (38.9%)	125 (52.3%)	79 (36.2%)	22 (24.2%)
Oceania	66 (12.0%)	46 (12.1%)	20 (12.0%)	30 (12.6%)	27 (12.4%)	9 (9.9%)
South America	6 (1.1%)	6 (1.6%)	0 (0%)	2 (0.8%)	4 (1.8%)	0 (0.0%)
Age category						
Sub-junior and Junior (≤23 years)	145 (26.5%)	116 (30.4%)	29 (17.4%)	59 (24.7%)	73 (33.5%)	13 (14.3%)
Open (24-39 years)	335 (61.1%)	232 (60.9%)	103 (61.7%)	165 (69.0%)	121 (55.5%)	49 (53.8%)
Masters (≥40 years)	68 (12.4%)	33 (8.7%)	21 (21.0%)	15 (6.3%)	24 (11.0%)	29 (31.9%)
Weight class						
Lightweight (M: ≤74 kg; W: ≤63 kg)	125 (22.8%)	66 (17.3%)	59 (35.3%)	48 (20.1%)	56 (25.7%)	21 (23.1%)
Middleweight (M: 74-93 kg; W: 63-76 kg)	232 (42.3%)	175 (45.9%)	57 (34.1%)	101 (42.3%)	96 (44.0%)	35 (38.5%)
Heavyweight (W: (M: >93kg; W: >76kg)	191 (34.9%)	140 (36.7%)	51 (30.5%)	90 (37.7%)	66 (30.3%)	35 (38.5%)
Competitive division						
Raw	529 (96.5%)	372 (97.6%)	157 (94.0%)	236 (98.7%)	211 (96.8%)	82 (90.1%)
Equipped	19 (3.5%)	9 (2.4%)	10 (6.0%)	3 (1.3%)	7 (3.2%)	9 (9.9%)
IPF GL points						
<70 points	97 (17.7%)	59 (15.5%)	38 (22.8%)	59 (24.7%)	29 (13.3%)	9 (9.9%)
70-79 points	153 (27.9%)	111 (29.1%)	42 (25.1%)	89 (37.2%)	53 (24.3%)	11 (12.1%)
80-89 points	165 (30.1%)	124 (32.5%)	41 (24.6%)	61 (23.5%)	78 (35.8%)	26 (28.6%)
>90 points	119 (21.7%)	79 (20.7%)	40 (24.0%)	19 (7.9%)	55 (25.2%)	45 (49.5%)

Resistance training experience						
<2 years	25 (4.6%)	17 (4.5%)	8 (4.8%)	15 (6.3%)	9 (4.1%)	1 (1.1%)
2-4 years	131 (23.9%)	88 (23.1%)	43 (25.7%)	76 (31.8%)	47 (21.6%)	8 (8.8%)
4-7 years	159 (29.0%)	102 (26.8%)	57 (34.1%)	60 (25.1%)	80 (36.7%)	19 (20.9%)
>7 years	233 (42.5%)	174 (45.7%)	59 (35.3%)	88 (36.8%)	82 (37.6%)	63 (69.2%)
Powerlifting experience						
<2 years	152 (27.7%)	107 (28.1%)	45 (26.9%)	103 (43.1%)	45 (20.6%)	4 (4.4%)
2-4 years	186 (33.9%)	135 (35.4%)	51 (30.5%)	85 (36.6%)	79 (36.2%)	22 (24.2%)
4-7 y years	129 (23.5%)	86 (22.6%)	52 (31.1%)	36 (15.1%)	67 (30.7%)	35 (38.5%)
>7 years	72 (13.1%)	53 (13.9%)	19 (11.4%)	15 (6.3%)	27 (12.4%)	30 (33.0%)
Coaching status*						
Currently coached	365 (66.6%)	221 (58.0%)	144 (82.2%)	149 (62.3%)	149 (68.3%)	67 (73.6%)
Previously coached	87 (15.9%)	73 (19.2%)	14 (8.4%)	37 (15.5%)	38 (17.4%)	12 (13.2%)
Self-coached	95 (17.3%)	86 (22.6%)	9 (5.4%)	53 (22.2%)	30 (13.8%)	12 (13.2%)

Table 1 – Demographic characteristics of the respondents who finished section 1. For detailed counts and percentages, including the demographics of those that finished the whole survey, see **Supplemental Digital Content 3**. All results are reported as counts (percentages). * Coaching status refers to whether an athlete is currently working with a coach for their programming (i.e., currently coached), is programming for themselves but has previously worked with a coach (i.e., previously coached), or is self-programming and has never had a coach (i.e., self-coached).

FIGURES

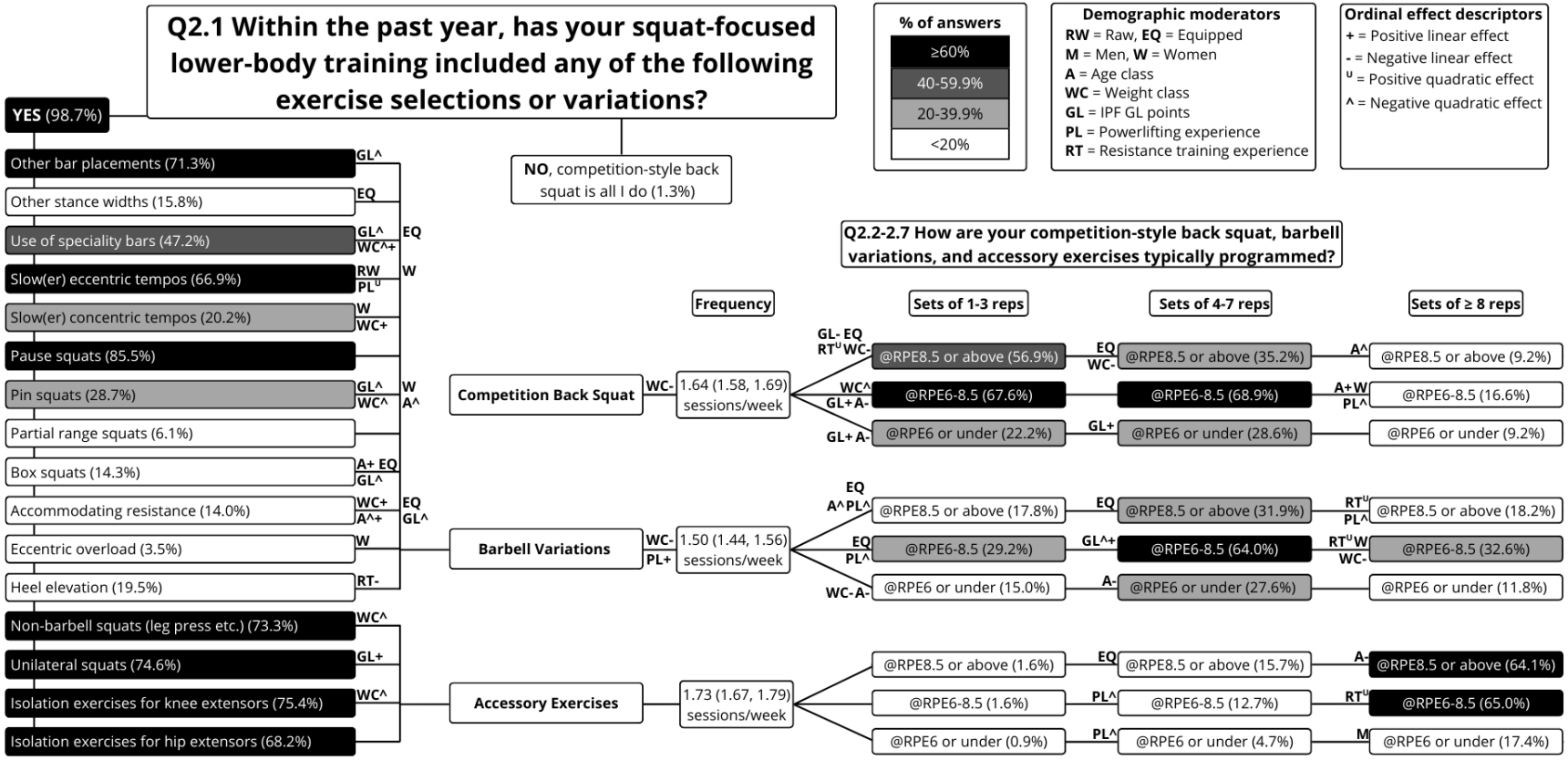


Figure 1 – General back squat training practices. IPF, International Powerlifting Federation. GL, Goodlift. PL, powerlifting. RT, resistance training. RPE, rating of perceived exertion. Reps, repetitions. Credible effects of demographic moderators are indicated by assigned letters and descriptors. For competitive division and gender, the letter represents the group with the highest odds of selecting a given option (e.g., "M" indicates men had higher odds). For ordinal variables, the letter marks the presence of an effect, and the descriptor explains the pattern. Positive and negative linear effects reflect

increased or decreased odds with higher values of the factor, respectively. A positive quadratic effect indicates a U-shaped relationship (i.e., higher odds at low and high values), while a negative quadratic effect indicates higher odds at moderate values.

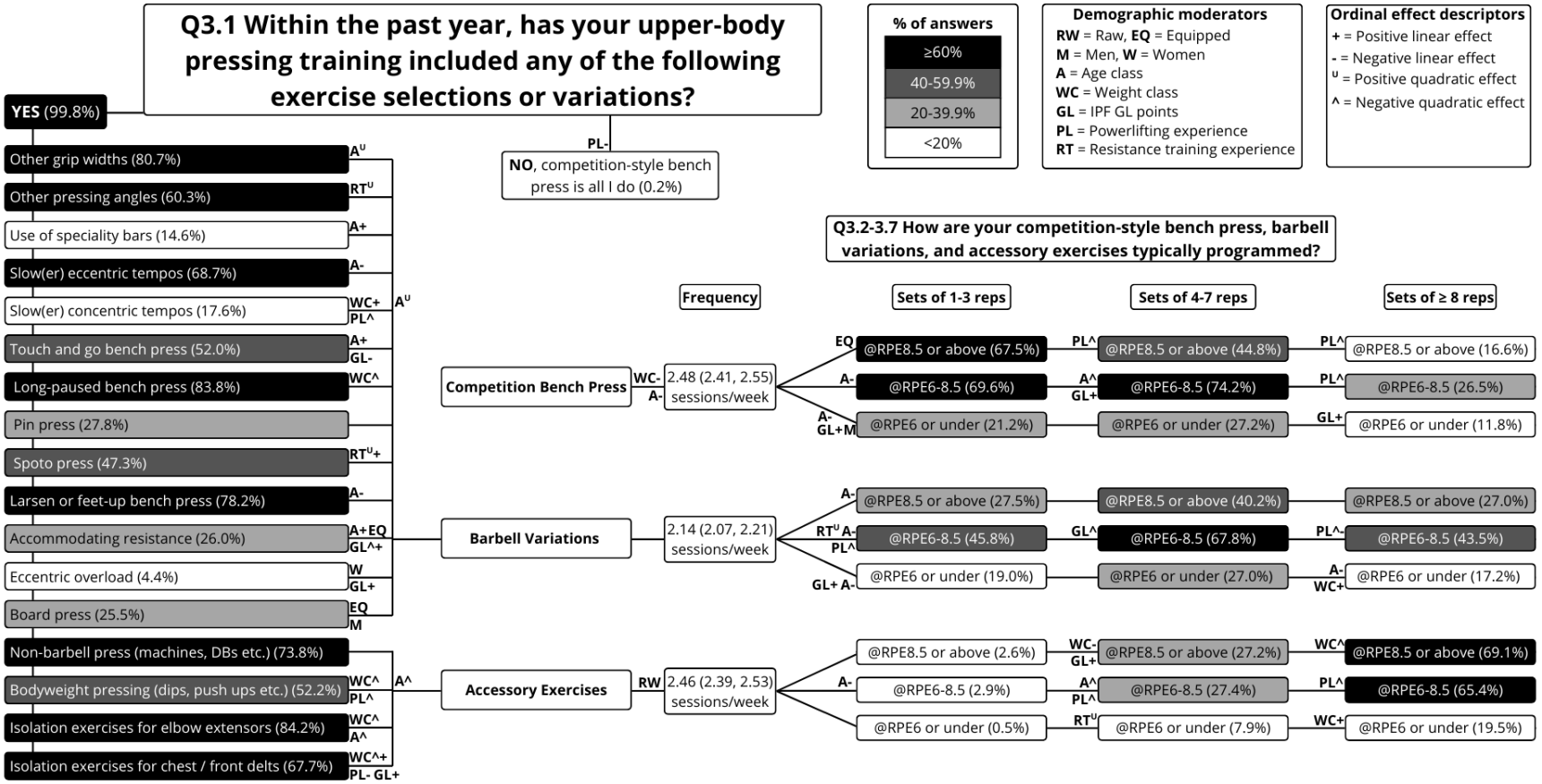


Figure 2 – General bench press training practices. IPF, International Powerlifting Federation. GL, Goodlift. PL, powerlifting. RT, resistance training. RPE, rating of perceived exertion. Reps, repetitions. Credible effects of demographic moderators are indicated by assigned letters and descriptors. For competitive division and gender, the letter represents the group with the highest odds of selecting a given option (e.g., "M" indicates men had higher

odds). For ordinal variables, the letter marks the presence of an effect, and the descriptor explains the pattern. Positive and negative linear effects reflect increased or decreased odds with higher values of the factor, respectively. A positive quadratic effect indicates a U-shaped relationship (i.e., higher odds at low and high values), while a negative quadratic effect indicates higher odds at moderate values.

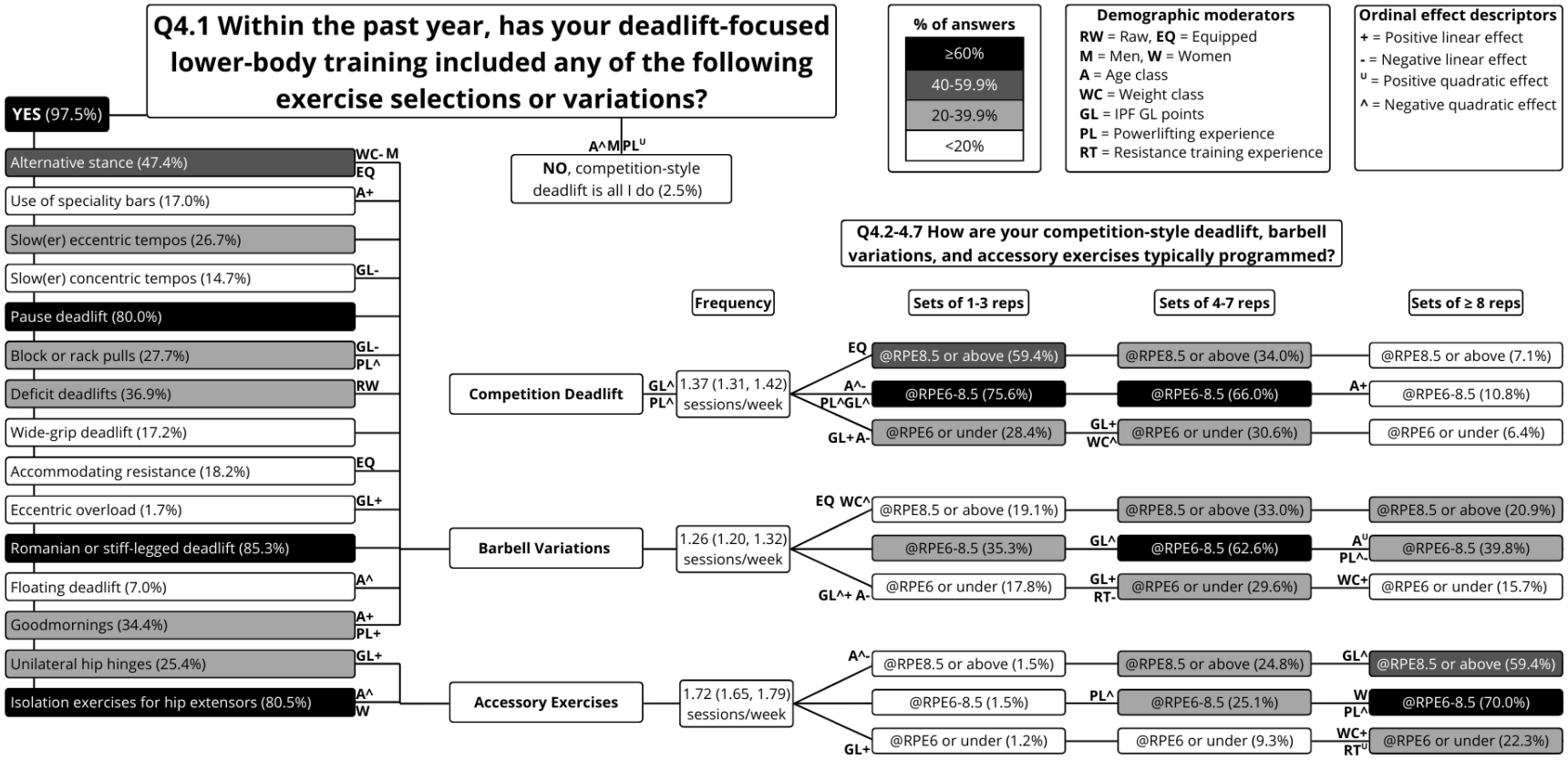


Figure 3 – General deadlift training practices. IPF, International Powerlifting Federation. GL, Goodlift. PL, powerlifting. RT, resistance training. RPE, rating of perceived exertion. Reps, repetitions. Credible effects of demographic moderators are indicated by assigned letters and descriptors. For

competitive division and gender, the letter represents the group with the highest odds of selecting a given option (e.g., "M" indicates men had higher odds). For ordinal variables, the letter marks the presence of an effect, and the descriptor explains the pattern. Positive and negative linear effects reflect increased or decreased odds with higher values of the factor, respectively. A positive quadratic effect indicates a U-shaped relationship (i.e., higher odds at low and high values), while a negative quadratic effect indicates higher odds at moderate values.

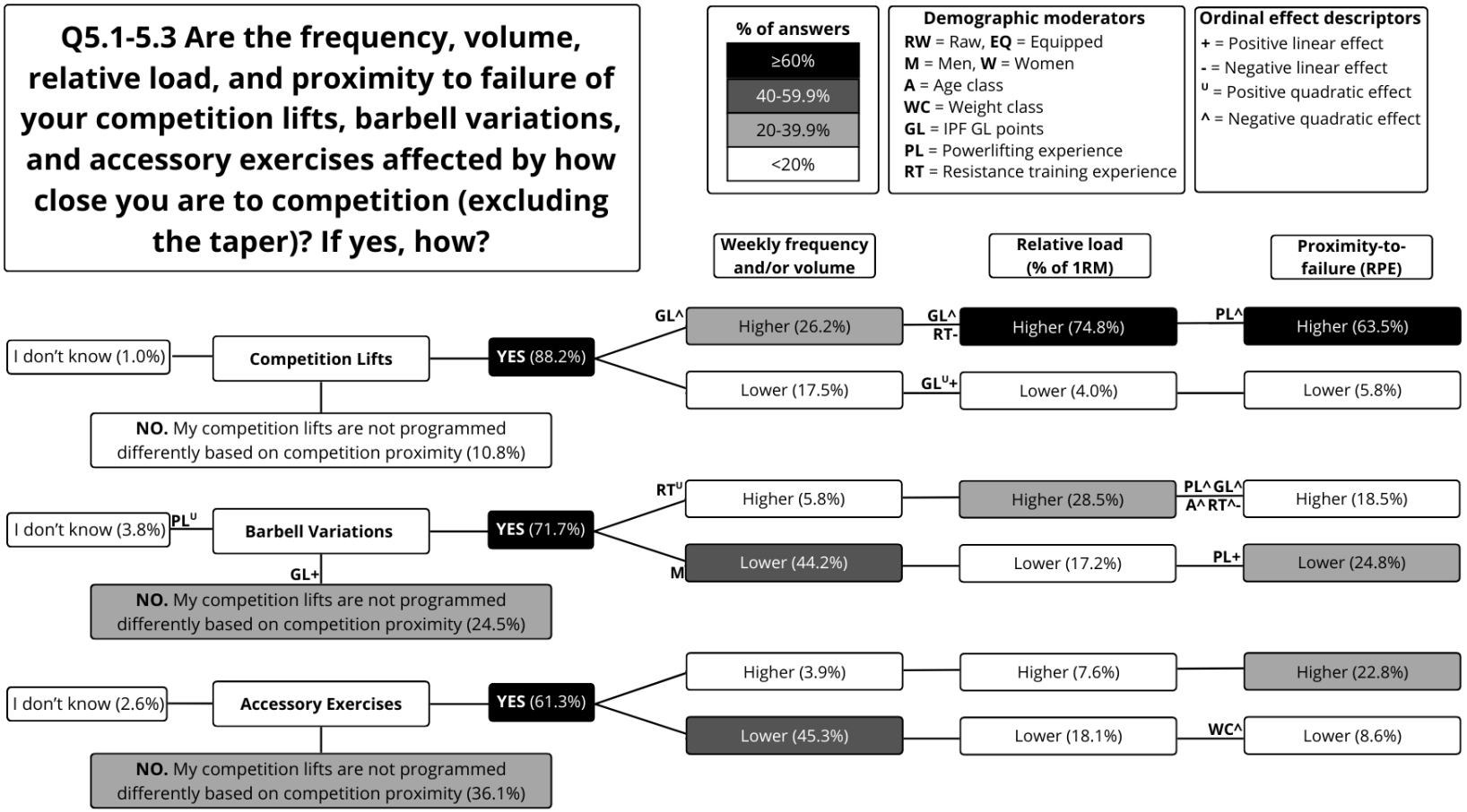


Figure 4 – Programming practices for different exercise categories across a competition season. IPF, International Powerlifting Federation. GL, Goodlift. PL, powerlifting. RT, resistance training. RPE, rating of perceived exertion. 1RM, one-repetition maximum. Credible effects of demographic moderators are indicated by assigned letters and descriptors. For competitive division and gender, the letter represents the group with the highest odds of selecting a given option (e.g., "M" indicates men had higher odds). For ordinal variables, the letter marks the presence of an effect, and the descriptor explains the pattern. Positive and negative linear effects reflect increased or decreased odds with higher values of the factor, respectively. A positive quadratic effect indicates a U-shaped relationship (i.e., higher odds at low and high values), while a negative quadratic effect indicates higher odds at moderate values.

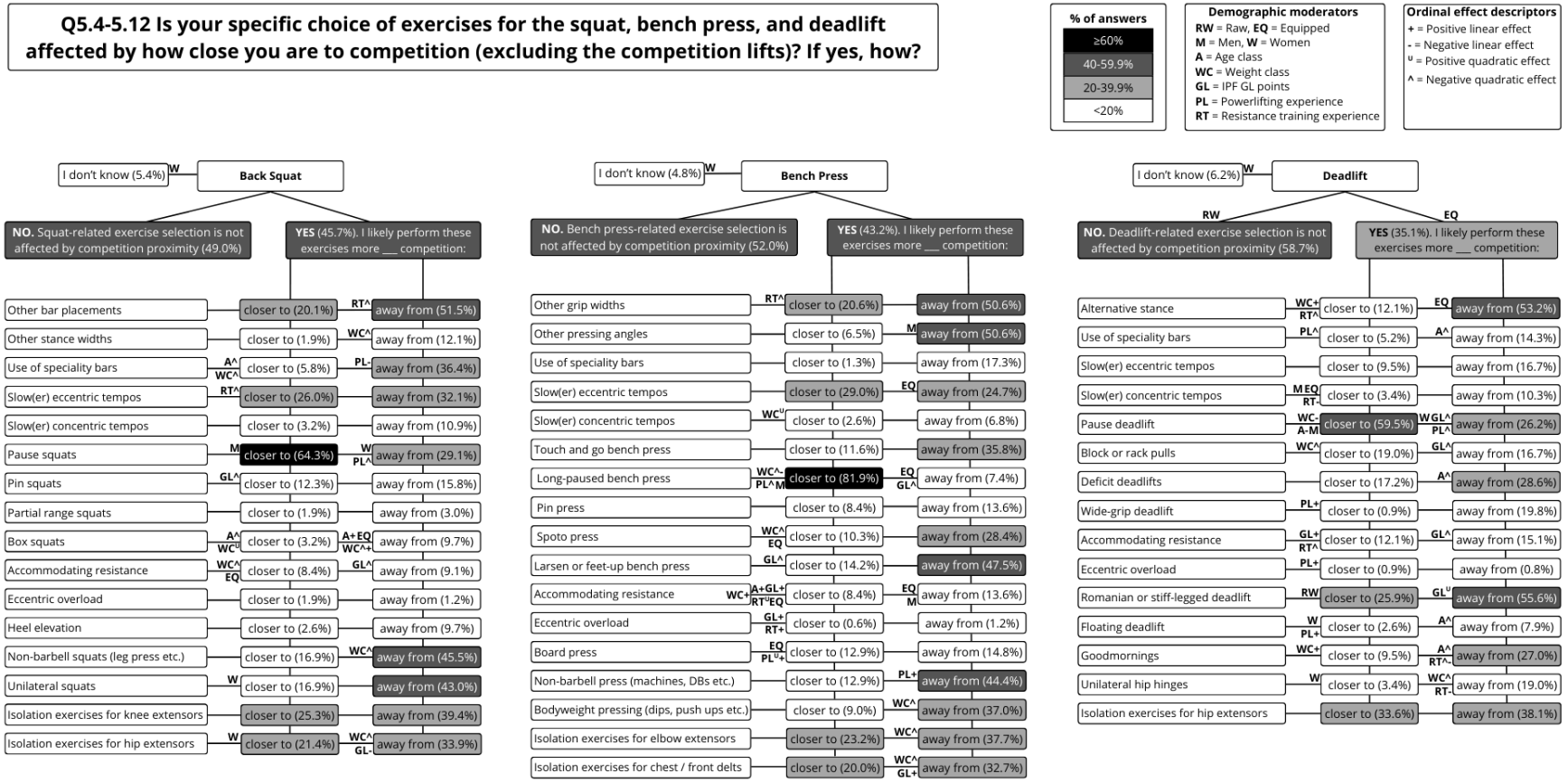


Figure 5 – Exercise selections across a competition season. IPF, International Powerlifting Federation. GL, Goodlift. PL, powerlifting. RT, resistance training. RPE, rating of perceived exertion. Credible effects of demographic moderators are indicated by assigned letters and descriptors. For competitive division and gender, the letter represents the group with the highest odds of selecting a given option (e.g., "M" indicates men had higher odds). For ordinal variables, the letter marks the presence of an effect, and the descriptor explains the pattern. Positive and negative linear effects reflect increased or

decreased odds with higher values of the factor, respectively. A positive quadratic effect indicates a U-shaped relationship (i.e., higher odds at low and high values), while a negative quadratic effect indicates higher odds at moderate values.

Supplemental Digital Content 1

Respondent information for complete and non-complete results

	Completed section 1	Complete entries
Region of residence	*North America: n = 226 (41.2%)* *Europe: n = 217 (39.6%)* *Oceania: n = 66 (12.0%)* *Asia: n = 30 (5.5%)* *South America: n = 6 (1.1%)* *Africa: Full: n = 3 (0.5%)*	*North America: n = 160 (40.1%)* *Europe: n = 159 (39.8%)* *Oceania: n = 53 (13.3%)* *Asia: n = 20 (5.0%)* *South America: n = 3 (1.3%)* *Africa: n = 2 (0.5%)*
Gender division	*Women: n = 167 (30.5%)* *Men: n = 381 (69.5%)*	*Women: n = 115 (28.8%)* *Men: n = 284 (71.2%)*
Age class	*Sub-junior: n = 12 (2.2%)* *Junior: n = 133 (24.3%)* *Open: n = 335 (61.1%)* *Masters: n = 68 (12.4%)*	*Sub-junior: n = 6 (1.5%)* *Junior: n = 91 (22.8%)* *Open: n = 246 (61.7%)* *Masters: n = 56 (14.0%)*
Weight class	*43kg (women): n = 1 (0.2%)* *47kg (women): n = 7 (1.3%)* *52kg (women): n = 11 (2.0%)* *57kg (women): n = 15 (2.7%)* *63kg (women): n = 25 (4.6%)* *69kg (women): n = 25 (4.6%)* *76kg (women): n = 32 (5.8%)* *84kg (women): n = 26 (4.7%)* *+84kg (women): n = 25 (4.6%)* *53kg (men): n = 0 (0%)* *59kg (men): n = 3 (0.5%)* *66kg (men): n = 17 (3.1%)* *74kg (men): n = 46 (8.4%)* *83kg (men): n = 75 (13.7%)* *93kg (men): n = 100 (18.2%)* *105kg (men): n = 92 (16.8%)* *120kg (men): n = 32 (5.8%)* *+120kg (men): n = 16 (2.9%)*	*43kg (women): n = 1 (0.3%)* *47kg (women): n = 4 (1.0%)* *52kg (women): n = 9 (2.3%)* *57kg (women): n = 10 (2.5%)* *63kg (women): n = 14 (3.5%)* *69kg (women): n = 16 (4.0%)* *76kg (women): n = 23 (5.8%)* *84kg (women): n = 20 (5.0%)* *+84kg (women): n = 18 (4.5%)* *53kg (men): n = 0 (0%)* *59kg (men): n = 2 (0.5%)* *66kg (men): n = 14 (3.5%)* *74kg (men): n = 32 (8.0%)* *83kg (men): n = 56 (14.0%)* *93kg (men): n = 70 (17.5%)* *105kg (men): n = 72 (18.0%)* *120kg (men): n = 25 (6.3%)* *+120kg (men): n = 13 (3.3%)*

Competition level	*Club: n = 100 (18.2%)* *Regional: n = 139 (25.4%)* *National: n = 218 (39.8%)* *International: n = 91 (16.6%)*	*Club: n = 66 (16.5%)* *Regional: n = 105 (26.3%)* *National: n = 152 (38.1%)* *International: n = 76 (19.0%)*
Competitive calibre (GLP)	*<50: n = 6 (1.1%)* *50-54: n = 10 (1.9%)* *55-59: n = 13 (2.4%)* *60-64: n = 20 (3.7%)* *65-69: n = 48 (9.0%)* *70-74: n = 69 (12.9%)* *75-79: n = 84 (15.7%)* *80-84: n = 88 (16.5%)* *85-89: n = 77 (14.4%)* *90-94: n = 50 (9.4%)* *95-99: n = 26 (4.9%)* *100-104: n = 24 (4.5%)* *105-109: n = 6 (1.1%)* *≥110: n = 13 (2.4%)*	*<50: n = 5 (1.3%)* *50-54: n = 8 (2.0%)* *55-59: n = 7 (1.8%)* *60-64: n = 15 (3.8%)* *65-69: n = 35 (8.9%)* *70-74: n = 52 (13.2%)* *75-79: n = 58 (15.5%)* *80-84: n = 63 (16.0%)* *85-89: n = 61 (15.5%)* *90-94: n = 36 (9.2%)* *95-99: n = 23 (5.9%)* *100-104: n = 18 (4.6%)* *105-109: n = 4 (1.0%)* *≥110: n = 8 (2.0%)*
Resistance training experience	*0-1 y: n = 2 (0.4%)* *1-2 y: n = 23 (4.2%)* *2-3 y: n = 72 (13.1%)* *3-4 y: n = 59 (10.8%)* *4-5 y: n = 52 (9.5%)* *5-6 y: n = 55 (11.0%)* *6-7 y: n = 52 (9.5%)* *7-8 y: n = 44 (8.0%)* *8-9 y: n = 32 (5.8%)* *9-10 y: n = 39 (7.1%)* *10+ y: n = 118 (21.5%)*	*0-1 y: n = 2 (0.5%)* *1-2 y: n = 15 (3.8%)* *2-3 y: n = 50 (12.5%)* *3-4 y: n = 33 (8.3%)* *4-5 y: n = 32 (8.0%)* *5-6 y: n = 45 (11.3%)* *6-7 y: n = 40 (10.0%)* *7-8 y: n = 31 (7.8%)* *8-9 y: n = 26 (6.5%)* *9-10 y: n = 29 (7.3%)* *10+ y: n = 96 (24.1%)*
Powerlifting experience	*0-1 y: n = 34 (6.2%)* *1-2 y: n = 118 (21.5%)* *2-3 y: n = 119 (21.7%)* *3-4 y: n = 67 (12.2%)* *4-5 y: n = 59 (10.8%)*	*0-1 y: n = 23 (5.8%)* *1-2 y: n = 76 (19.0%)* *2-3 y: n = 82 (20.6%)* *3-4 y: n = 53 (13.3%)* *4-5 y: n = 45 (11.3%)*

	5-6 y: n = 43 (7.8%) *6-7 y: n = 36 (6.6%)* *7-8 y: n = 19 (3.5%)* *8-9 y: n = 17 (3.1%)* *9-10 y: n = 13 (2.4%)* *10+ y: n = 23 (4.2%)*	*5-6 y: n = 38 (9.5%)* *6-7 y: n = 26 (6.5%)* *7-8 y: n = 13 (3.3%)* *8-9 y: n = 13 (3.3%)* *9-10 y: n = 10 (2.5%)* *10+ y: n = 20 (5.0%)*
Competitive division	*Raw: n = 529 (96.5%)* *Equipped: n = 19 (3.5%)*	*Raw: n = 387 (97.0%)* *Equipped: n = 12 (3.0%)*
Coaching status	*Coached: n = 365 (66.7%)* *Self-coached: n = 95 (17.4%)* *Previously coached: n = 87 (15.9%)*	*Coached: n = 254 (63.8%)* *Self-coached: 75 (18.8%)* *Previously coached: n = 69 (17.3%)*

Table S1 – Demographic details of the survey sample, split between those who completed the demographic factors and those that finished the whole sample.

Results section for credible effects of demographic influences

Competitive division

General training practices

Equipped lifters had higher odds of incorporating squats with alternative stances (OR = 0.25, 95% CrI: 0.07-0.89), specialty bars (OR = 0.24, 95% CrI: 0.06-0.86), accommodating resistance (OR = 0.06, 95% CrI: 0.02-0.23), and box squats (OR = 0.19, 95% CrI: 0.05-0.68) in training (**Figure 1**). Raw lifters were more likely to include slow eccentric squats (OR = 3.55, 95% CrI: 1.10-11.76). Equipped lifters also had greater odds of performing competition squats and barbell variations with low (competition: OR = 0.01, 95% CrI: 0.00-0.10; variations: OR = 0.19, 95% CrI: 0.05-0.74) and moderate (competition: OR = 0.16, 95% CrI: 0.04-0.62; variations: OR = 0.18, 95% CrI: 0.04-0.66) repetitions at high RPEs. They were also more likely to use low-repetition/moderate-RPE for barbell variations (OR = 0.14, 95% CrI: 0.04-0.51) and moderate- repetition /high-RPE for squat accessories (OR = 0.06, 95% CrI: 0.01-0.27).

Equipped lifters had greater odds of incorporating bench press with accommodating resistance (OR = 0.03, 95% CrI: 0.01-0.17) and board presses (OR = 0.02, 95% CrI: 0.00-0.11) in training (**Figure 2**). Equipped lifters were also more likely to perform competition-style bench press with low repetitions at high RPE (OR = 0.11, 95% CrI: 0.01-0.91). Raw lifters tended to perform bench press accessories more frequently (0.47 sessions; 95% CrI: 0.01-0.93).

Equipped lifters had higher odds of incorporating deadlifts with alternative stances (OR = 0.18, 95% CrI: 0.03-0.90) and accommodating resistance (OR = 0.03, 95% CrI: 0.01-0.16) in training. Raw lifters were more likely to include deficit deadlifts (OR = 10.22, 95% CrI: 1.28-140.64) (**Figure 3**). Equipped lifters also had greater odds of performing competition-style deadlifts (OR = 0.07, 95% CrI: 0.00-0.52) and deadlift barbell variations (OR = 0.20, 95% CrI: 0.04-0.91) with low repetitions at high RPE compared to raw lifters.

Changes across competition season

For deadlift, equipped lifters were more likely to adjust their exercise selection based on competition proximity (OR = 0.24, 95% CrI: 0.06-0.83), while raw lifters were more likely to maintain consistent exercise selection (OR = 4.48, 95% CrI: 1.16-20.96) (**Figure 5**).

Closer to competition, equipped lifters had higher odds of incorporating squats with accommodating resistance (OR = 0.01, 95% CrI: 0.00-0.10), Spoto press (OR = 0.04, 95% CrI: 0.00-0.78), bench press with accommodating resistance (OR = 0.01, 95% CrI: 0.00-0.11), board presses (OR = 0.00, 95% CrI: 0.00-0.11), and deadlifts with a slower concentric phase (OR = 0.00, 95% CrI: 0.00-0.14). Raw lifters had higher odds of performing Romanian/stiff-legged deadlifts closer to competition (OR = 44.44, 95% CrI: 1.44-4999.81).

Further from competition, equipped lifters were more likely to include box squats (OR = 0.05, 95% CrI: 0.00-0.52), long-paused bench press (OR = 0.06, 95% CrI: 0.00-0.81), slow eccentric phase bench press (OR = 0.10, 95% CrI: 0.01-0.91), bench press with accommodating resistance (OR = 0.05, 95% CrI: 0.00-0.72), and alternate stance deadlifts (OR = 0.04, 95% CrI: 0.00-0.46).

Gender division

General training practices

Women had higher odds of incorporating squats with slower eccentric (OR = 0.40, 95% CrI: 0.23-0.70) or concentric (OR = 0.49, 95% CrI: 0.27-0.88) phases, eccentric overload (OR = 0.14, 95% CrI: 0.04-0.45), and pin squats (OR = 0.50, 95% CrI: 0.29-0.87). Women were more likely to train competition-style squats (OR = 0.47, 95% CrI: 0.24-0.94) and barbell variations (OR = 0.56, 95% CrI: 0.32-0.97) with high repetitions at moderate RPEs, while men were more likely to perform squat accessories with higher repetitions at lower RPE (OR = 2.29, 95% CrI: 1.08-5.02).

Women had higher odds of including bench press with eccentric overload (OR = 0.29, 95% CrI: 0.09-0.95), while men were more likely to perform board press (OR = 2.07, 95% CrI: 1.04-4.26). Men were more likely to train competition-style squats (OR = 2.63, 95% CrI: 1.17-6.29) with low repetitions at low RPEs

Men had higher odds of performing only competition-style deadlifts (OR = 10.58, 95% CrI: 1.24-152.08). Women were more likely to include hip extensors isolation exercises (OR = 0.42, 95% CrI: 0.19-0.93), while men had higher odds of performing alternate stance deadlifts (OR = 1.87, 95% CrI: 1.00-3.48). Women also had higher odds of training deadlift accessories with high repetitions at moderate RPEs (OR = 0.48, 95% CrI: 0.24-0.96).

Changes across competition season

Men had higher odds of decreasing barbell variation volume/frequency as competition approached (OR = 1.67, 95% CrI: 1.02-2.77), (**Figure 4)**. Women had higher odds of not knowing whether squat (OR = 0.25, 95% CrI: 0.09-0.68), bench press (OR = 0.26, 95% CrI: 0.09-0.74), and deadlift (OR = 0.25, 95% CrI: 0.09-0.62) exercise selection changed with competition proximity (**Figure 5)**.

Closer to competition, women were more likely to include unilateral squat patterns (OR = 0.25, 95% CrI: 0.07-0.84), hip extensors isolation exercises (OR = 0.24, 95% CrI: 0.07-0.76), floating deadlifts (OR = 0.01, 95% CrI: 0.00-0.53), and unilateral hip hinges (OR = 0.05, 95% CrI: 0.00-1.00). Men had higher odds of incorporating pause squats (OR = 3.69, 95% CrI: 1.25-11.17), long-paused bench press (OR = 5.32, 95% CrI: 1.53-18.81), slow concentric deadlifts (OR = 366.04, 95% CrI: 4.69-55102.77), and pause deadlifts (OR = 4.08, 95% CrI: 1.09-15.69).

Further from competition, women had higher odds of including pause squats (OR = 0.24, 95% CrI: 0.08-0.64) and pause deadlifts (OR = 0.17, 95% CrI: 0.04-0.62), while men had higher odds of performing bench press with accommodating resistance (OR = 241.37, 95% CrI: 89.78-21248.32) and alternative pressing angles (OR = 3.10, 95% CrI: 1.19-8.28).

Weight class

General training practices

Middleweights performed more weekly sessions than light- and heavyweights (Q = -0.15, 95% CrI: -0.26, -0.04). Lighter lifters, generally, had higher weekly frequencies in competition-style (L = -0.15; 95% CrI: -0.26, -0.04) and barbell variations (L = -0.21, 95% CrI: -0.34, -0.08) of the squat, and competition-style bench press (L = -0.30; 95% CrI: -0.49, -0.09) compared to heavier lifters (**Figures 1-3)**.

Heavier lifters had higher odds of performing squats with slow(er) concentric phases (OR_L = 2.05, 95% CrI: 1.20, 3.59) and accommodating resistance (OR_L = 2.15, 95% CrI: 1.11, 4.36). Middle- and heavyweights had higher odds of using specialty bars (OR_L = 2.33, 95% CrI: 1.47, 3.67; OR_Q = 0.43, 95% CrI: 0.29, 0.63) compared to lightweights. Middleweights also had higher odds of incorporating pin squats (OR_Q = 0.63, 95% CrI: 0.41, 0.93), non-barbell squat patterns (OR_Q = 0.54, 95% CrI: 0.35, 0.82), and isolated knee extension exercises (OR_Q = 0.58, 95% CrI: 0.38, 0.89) compared to light- and heavyweights. Lighter lifters were more likely to perform low (OR_L = 0.58, 95% CrI: 0.35, 0.94) and moderate (OR_L = 0.61, 95% CrI: 0.37, 0.99) repetitions at high RPEs for competition-style squats, and low repetitions at low RPEs (OR_L = 0.52, 95% CrI: 0.28, 0.97) and higher repetitions at moderate

RPEs (OR_L = 0.62, 95% CrI: 0.39, 0.98) for barbell variations. Middleweights were more likely to perform low repetitions at moderate RPEs for competition-style squats (OR_Q = 0.54, 95% CrI: 0.35, 0.84).

Heavier lifters had higher odds of performing bench press with a slow(er) concentric phase (OR_L = 2.76, 95% CrI: 1.40, 5.66), while middleweights had higher odds of performing long-paused bench press (OR_Q = 0.53, 95% CrI: 0.31, 0.90), upper-body pressing with bodyweight (OR_Q = 0.55, 95% CrI: 0.36, 0.84) and triceps (OR_Q = 0.59, 95% CrI: 0.34, 1.00) and pectorals and anterior deltoids isolation exercises (OR_L = 1.71, 95% CrI: 1.04, 2.82; OR_Q = 0.50, 95% CrI: 0.38, 0.93) than light- and heavyweights. Heavier lifters had higher odds of performing bench press barbell variations (OR_L = 2.03, 95% CrI: 1.03, 4,11) and bench press accessories (OR_L = 2.04, 95% CrI: 1.08, 4.03) at higher repetitions with low RPEs, and lower odds for performing moderate repetitions at high RPEs for bench press accessories (OR_L = 0.47, 95% CrI: 0.26, 0.84). Middleweights had higher odds of performing accessories for higher repetitions at higher RPEs (OR_Q = 0.53, 95% CrI: 0.32, 0.84).

Lighter lifters had higher odds of performing deadlifts with alternate stances (OR_L = 0.59, 95% CrI: 0.35, 1.00). Middleweights had higher odds of performing competition-style deadlift with moderate repetitions at low RPEs (OR_Q = 0.58, 95% CrI: 0.36, 0.94) and barbell variations with low repetitions at high RPEs (OR_Q = 0.49, 95% CrI: 0.29, 0.82). The odds of performing higher repetitions at low RPEs for barbell variations (OR_L = 2.42, 95% CrI: 1.16, 5.45) and accessories (OR_L = 2.63, 95% CrI: 1.36, 5.25) increased with weight.

Changes across competition season

Middleweights were more likely to reduce accessory RPE approaching competition (OR_Q = 0.49, 95% CrI: 0.25, 0.95) (**Figure 4)**. Closer to competition, they had higher odds of using specialty bar squats (OR_Q = 0.08, 95% CrI: 0.00, 0.72), squats with accommodating resistance (OR_Q = 0.05, 95% CrI: 0.00, 0.55), Spoto press (OR_Q = 0.02, 95% CrI: 0.00, 0.21), and block pulls (OR_Q = 0.30, 95% CrI: 0.09, 0.92) (**Figure 5**). Light- and heavyweights had higher odds of using box squats (OR_Q = 67.08, 95% CrI: 1.71, 19,710.18) and bench presses with a slow(er) concentric (OR_Q = 54.78, 95% CrI: 1.18, 23, 152.86). Light- and middleweights more often included long-paused bench press (OR_L = 0.28, 95% CrI: 0.08, 0.90; OR_Q = 0.33, 95% CrI: 0.11, 0.97). The odds of using accommodating resistance for bench press (OR_L = 88.69, 95% CrI: 2.71, 22,217.97), alternative stance deadlifts (OR_L = 5.73, 95% CrI: 1.04, 51.29), and good mornings (OR_L = 31.06, 95% CrI: 1.01, 6,796.66) increased with weight, while lighter lifters had higher odds of performing pause deadlifts (OR_L = 0.25, 95% CrI: 0.08, 0.73).

Further from competition, middleweights were more likely to perform squats with other stances (OR_Q = 0.31, 95% CrI: 0.08, 0.97), non-barbell squat patterns (OR_Q = 0.50, 95% CrI: 0.26, 0.96), hip extensor isolation (OR_Q = 0.34, 95% CrI: 0.17, 0.70), bodyweight pressing (OR_Q = 0.19, 95% CrI: 0.09, 0.41), triceps (OR_Q = 0.34, 95% CrI: 0.16, 0.70), and pectorals/anterior deltoids isolation work (OR_Q = 0.44, 95% CrI: 0.21, 0.94), and unilateral hip hinges (OR_Q = 0.35, 95% CrI: 0.12, 1.00). Middle- and heavyweights had higher odds of performing box squats (OR_L = 32.73, 95% CrI: 1.05, 7,261.70; OR_Q = 0.08, 95% CrI: 0.00, 0.72).

Age class

General training practices

Weekly training sessions (L = -0.24, 95% CrI: -0.42 to -0.06) and competition bench press frequency (L = -0.34, 95% CrI: -0.60, -0.08) declined with age.

The odds of performing box squats increased with age (OR_L = 3.47, 95% CrI: 1.61, 7.63). Open-division lifters were more likely to perform pin squats (OR_Q = 0.64, 95% CrI: 0.42, 0.98), and open-division and masters lifters had higher odds of using accommodating resistance in squats (OR_L = 3.10, 95% CrI: 1.26, 7.75; OR_Q = 0.52, 95% CrI: 0.29, 0.91). For competition squats, older lifters had lower odds of performing low repetitions at moderate (OR_L = 0.19, 95% CrI: 0.10, 0.37) and low RPEs (OR_L = 0.35, 95% CrI: 0.15, 0.77), but higher odds of using higher repetitions at moderate RPEs (OR_L = 2.83, 95% CrI: 1.34, 6.05). Open-division lifters were more likely to perform high repetitions at high RPEs (OR_Q = 0.47, 95% CrI: 0.21, 0.99). With squat barbell variations, increasing age was associated with lower odds of performing low (OR_L = 0.09, 95% CrI: 0.01, 0.37; OR_Q = 0.37, 95% CrI: 0.12, 0.88) and moderate repetitions at low RPEs (OR_L = 0.49, 95% CrI: 0.25, 0.94), while open-division lifters had higher odds of doing low repetitions at high RPEs (OR_Q = 0.17, 95% CrI: 0.05, 0.56). The odds of performing squat accessories with high repetitions at high RPEs declined with age (OR_L = 0.35, 95% CrI: 0.18, 0.65).

With increasing age, lifters had higher odds of performing specialty bar bench press (OR_L = 6.69, 95% CrI: 2.77, 16.51), and accommodating resistance (OR_L = 2.84, 95% CrI: 1.37, 5.90), touch-and-go bench press (OR_L = 2.60, 95% CrI: 1.39, 5.00), with lower odds for slow(er) eccentric (OR_L = 0.46, 95% CrI: 0.24, 0.88) and Larsen/feet-up bench press (OR_L = 0.32, 95% CrI: 0.16, 0.65). Open-division lifters more often performed bodyweight pressing (OR_Q

= 0.65, 95% CrI: 0.42, 1.00) and triceps isolation work (OR_Q = 0.51, 95% CrI: 0.30, 0.86). Junior and masters lifters showed higher odds of using alternative grip widths (OR_Q = 1.80, 95% CrI: 1.06, 3.09) and slow(er) concentric phases (OR_Q = 1.82, 95% CrI: 1.08, 3.11). For competition bench press, increasing age was associated with lower odds of performing low repetitions at low (OR_L = 0.28, 95% CrI: 0.11, 0.69) and moderate (OR_L = 0.31, 95% CrI: 0.15, 0.63) RPEs. Open-division lifters had greater odds of using moderate repetitions at moderate RPEs (OR_Q = 0.54, 95% CrI: 0.33, 0.90). For barbell variations, older lifters had lower odds of performing low repetitions at low (OR_L = 0.14, 95% CrI: 0.03, 0.44), moderate (OR_L = 0.32, 95% CrI: 0.16, 0.64), and high (OR_L = 0.37, 95% CrI: 0.16, 0.81) RPEs, and higher repetitions at low RPEs (OR_L = 0.33, 95% CrI: 0.13, 0.81). For bench accessories, the odds of performing low repetitions at moderate RPEs declined with age (OR_L = 0.03, 95% CrI: 0.00, 0.86), whereas open-division lifters more often used moderate repetitions at moderate RPEs (OR_Q = 0.56, 95% CrI: 0.32, 0.95).

Open-division lifters had higher odds of performing only competition-style deadlifts (OR_Q = 0.09, 95% CrI: 0.00, 0.87). With increasing age, lifters had higher odds of using specialty bar deadlifts (OR_L = 3.63, 95% CrI: 1.51, 8.94) and goodmornings (OR_L = 2.84, 95% CrI: 1.39, 5.87). Open-division lifters had higher odds of incorporating floating deadlifts (OR_Q = 0.36, 95% CrI: 0.12, 0.92) and hip extensor isolation exercises (OR_Q = 0.56, 95% CrI: 0.32, 0.96). For competition deadlifts, age was associated with lower odds of performing low repetitions at low (OR_L = 0.24, 95% CrI: 0.09, 0.56) and moderate RPEs (OR_L = 0.15, 95% CrI: 0.07, 0.33; OR_Q = 0.56, 95% CrI: 0.33, 0.95). Older lifters had increased odds of performing higher repetitions at moderate RPEs (OR_L = 2.76, 95% CrI: 1.07, 7.24). For barbell variations, performing low repetitions at low RPEs odds declined with age (OR_L = 0.21, 95% CrI: 0.05, 0.64), while junior and masters lifters had greater odds of using higher repetitions at moderate RPEs (OR_Q = 1.59, 95% CrI: 1.02, 2.46). For deadlift accessories, junior and open-division lifters had the highest odds of performing low repetitions at high RPEs (OR_Q = 0.03, 95% CrI: 0.00, 0.65; OR_L = 0.21, 95% CrI: 0.05, 0.64).

Changes across competition season

Open-division lifters had higher odds of reporting increased RPEs for barbell variations when approaching competition (OR_Q = 0.61, 95% CrI: 0.37, 0.99) (**Figure 4**). Closer to competition, they also had higher odds of performing specialty bar squats (OR_Q = 0.01, 95% CrI: 0.00, 0.41) and box squats (OR_Q = 0.02, 95% CrI: 0.00, 0.77). With age, odds increased for using accommodating resistance in bench press (OR_L = 63.12, 95% CrI: 1.37, 17,756.29), but decreased for pause deadlifts (OR_L = 0.17, 95% CrI: 0.04, 0.67) **(Figure 5)**.

Further from competition, older lifters had higher odds of performing box squats more frequently (OR_L = 6.20, 95% CrI: 1.02, 54.34), while open-division lifters were more likely to perform specialty bar deadlifts (OR_Q = 0.24, 95% CrI: 0.05, 0.83), goodmornings (OR_Q = 0.34, 95% CrI: 0.12, 0.86), and both floating (OR_Q = 0.04, 95% CrI: 0.00, 0.42) and deficit deadlifts (OR_Q = 0.38, 95% CrI: 0.15, 0.96) **(Figure 5)**.

GLP

General training practices

For squat, the odds of including unilateral squat patterns increased with GLP (OR_L = 1.14, 95% CrI: 1.03, 1.25). Lifters with moderate GLP had higher odds of incorporating alternative bar placement squats (OR_Q = 0.09, 95% CrI: 0.02, 0.43), specialty bars (OR_Q = 0.20, 95% CrI: 0.04, 0.96), accommodating resistance (OR_Q = 0.08, 95% CrI: 0.01, 0.81), pin squats (OR_Q = 0.13, 95% CrI: 0.02, 0.72), and box squats (OR_Q = 0.06, 95% CrI: 0.00, 0.65). In competition squats, the odds of using low repetitions at high RPEs decreased with increasing GLP (OR_L = 0.90, 95% CrI: 0.81, 0.99), while the odds increased for low repetitions at low (OR_L = 1.13, 95% CrI: 1.02, 1.27) and moderate (OR_L = 1.20, 95% CrI: 1.08, 1.33) RPEs, and moderate repetitions at low RPEs (OR_L = 1.19, 95% CrI: 1.07, 1.33). For squat barbell variations, moderate GLP lifters were most likely to use moderate repetitions at moderate RPEs (OR_L = 1.12, 95% CrI: 1.02, 1.23; OR_Q = 0.18, 95% CrI: 0.04, 0.90), followed by those with high, then low GLP.

For bench press, the odds of including touch-and-go bench press decreased with higher GLP (OR_L = 0.89, 95% CrI: 0.81, 0.99), and increased for eccentric overload bench press (OR_L= 1.29, 95% CrI: 1.01, 1.72) and pectorals/anterior deltoids isolation exercises (OR_L = 1.12, 95% CrI: 1.01, 1.24). Moderate GLP lifters had the highest odds of using accommodating resistance (OR_L = 1.17, 95% CrI: 1.03, 1.34; OR_Q = 0.02, 95% CrI: 0.00, 0.25), followed by high and then low GLP groups. In competition bench press, the odds of using low (OR_L = 1.16, 95% CrI: 1.01, 1.33) and high (OR_L = 1.22, 95% CrI: 1.03, 1.47) repetitions at low RPEs, and moderate repetitions at moderate RPEs (OR_L = 1.15, 95% CrI: 1.02, 1.31), increased with GLP. For barbell variations, the odds of low repetitions at low RPEs increased with GLP (OR_L = 1.16, 95% CrI: 1.02, 1.33), while moderate repetitions at moderate RPEs were most likely among moderate GLP lifters (OR_Q= 0.08, 95% CrI: 0.02, 0.47). For bench press accessories, the odds of performing moderate repetitions at higher RPEs increased with GLP (OR_L = 1.13, 95% CrI: 1.01, 1.28).

The highest competition deadlift frequency was observed in moderate GLP lifters (Q = -0.28, 95% CrI: -0.54 to -0.00). For deadlift training, the odds of including slower concentric phases (OR_L = 0.85, 95% CrI: 0.74, 0.99) and block pulls (OR_L = 0.87, 95% CrI: 0.77, 0.99) decreased with higher GLP.

However, odds of including eccentrically overloaded deadlifts (OR_L = 1.76, 95% CrI: 1.07, 3.30) and unilateral hip hinge exercises (OR_L = 1.15, 95% CrI: 1.01, 1.31) increased with higher GLP. In competition deadlifts, the odds of performing low (OR_L = 1.13, 95% CrI: 1.01, 1.29) and moderate (OR_L = 1.26, 95% CrI: 1.11, 1.45) repetitions at low RPEs increased with GLP. Moderate GLP lifters had higher odds of performing low repetitions at moderate RPEs (OR_Q = 0.09, 95% CrI: 0.01, 0.66). For deadlift barbell variations, the odds of performing moderate repetitions at moderate RPEs were higher with moderate GLP (OR_Q = 0.17, 95% CrI: 0.03, 0.88), while higher GLP were associated with higher odds of performing moderate repetitions at lower RPEs (OR_L = 1.25, 95% CrI: 1.11, 1.41), while low repetitions at low RPEs were more common in moderate GLP lifters, followed by high, and lastly low GLP lifters (OR_L = 1.23, 95% CrI: 1.04, 1.48; OR_Q = 0.01, 95% CrI: 0.00, 0.15). For deadlift accessories, higher GLP was associated with increased odds of performing low repetitions at low RPEs (OR_L = 1.83, 95% CrI: 1.05, 3.92), while moderate GLP lifters were more likely to perform higher repetitions at higher RPEs (OR_Q = 0.11, 95% CrI: 0.01, 0.88).

Changes across competition season

Moderate GLP lifters had higher odds of performing higher volumes/frequencies (OR_Q = 0.07, 95% CrI: 0.01, 0.47) and using higher relative loads (OR_Q = 0.11, 95% CrI: 0.02, 0.50) in competition lifts near competition. In contrast, lower relative loads in competition lifts were more common among low and high GLP lifters (OR_L = 1.23, 95% CrI: 1.02, 1.51; OR_Q = 27.05, 95% CrI: 1.28, 452.06). Lifters with higher GLP were more likely to report no change in how their barbell variations were programmed as competition neared (OR_L = 1.13, 95% CrI: 1.02, 1.26), while moderate GLP lifters had higher odds of reporting higher RPEs in their barbell variations approaching competition (OR_L = 0.81, 95% CrI: 0.71, 0.93; OR_Q = 0.03, 95% CrI: 0.00, 0.35).

Near competition, moderate GLP lifters had higher odds of performing pin squats (OR_Q = 0.00, 95% CrI: 0.00, 0.10) and Larsen/feet-up bench press (OR_Q = 0.00, 95% CrI: 0.00, 0.87). With increasing GLP, higher odds were found for performing bench press with accommodating resistance (OR_L = 2.23, 95% CrI: 1.28, 4.12), eccentric overload (OR_L = 8.17, 95% CrI: 1.51, 74.08), and deadlifts with accommodating resistance (OR_L = 1.69, 95% CrI: 1.04, 3.13).

Further from competition, moderate GLP lifters had higher odds of performing squats with accommodating resistance (OR_Q = 0.00, 95% CrI: 0.00, 0.62), long-paused bench press (OR_Q = 0.00, 95% CrI: 0.00, 0.20), pause deadlifts (OR_Q = 0.01, 95% CrI: 0.00, 0.41), block pulls (OR_Q = 0.01, 95% CrI: 0.00, 0.54), and deadlifts with accommodating resistance (OR_Q = 0.01, 95% CrI: 0.00, 0.65). The odds of performing hip extensors isolation exercises decreased

with higher GLP (OR_L = 0.80, 95% CrI: 0.67, 0.95), while the odds of performing pectorals/anterior deltoids isolation exercises increased (OR_L = 1.23, 95% CrI: 1.00, 1.54). Lastly, low and high GLP lifters had higher odds of using Romanian/stiff-legged deadlifts (OR_Q = 24.02, 95% CrI: 1.02, 761.25).

Powerlifting experience

General training practices

For squats, greater weekly frequencies of barbell variations were associated with powerlifting experience (L = 0.03, 95% CrI: 0.00, 0.06), while lifters with low and high experience had higher odds of including squats with slower eccentric phases (OR_Q= 2.62, 95% CrI: 1.03, 6.81). In competition squats, lifters with moderate experience had higher odds of performing high repetitions at moderate RPEs (OR_Q = 0.21, 95% CrI: 0.06, 0.75). For squat barbell variations, moderate-experience lifters showed higher odds of performing low repetitions at moderate (OR_Q = 0.30, 95% CrI: 0.11, 0.81) and high (OR_Q = 0.17, 95% CrI: 0.05, 0.56) RPEs, and high repetitions at high RPEs (OR_Q = 0.32, 95% CrI: 0.10, 0.99). For squat accessories, moderate-experience lifters had higher odds of performing moderate repetitions at lower (OR_Q = 0.02, 95% CrI: 0.00, 0.20) and moderate (OR_Q = 0.12, 95% CrI: 0.02, 0.56) RPEs.

For bench press, the odds of including pectorals/anterior deltoids isolation exercises decreased with powerlifting experience (OR_L = 0.91, 95% CrI: 0.84, 1.00). Lifters with moderate experience had higher odds of performing bench press with slower concentric phases (OR_Q= 0.22, 95% CrI: 0.05, 0.86) and bodyweight pressing exercises (OR_L = 0.91, 95% CrI: 0.83, 0.99; OR_Q = 0.27, 95% CrI: 0.10, 0.73). In competition bench press, moderate-experience lifters had higher odds of performing moderate repetitions at higher RPEs (OR_Q = 0.35, 95% CrI: 0.12, 0.98), and higher repetitions at moderate (OR_L = 0.89, 95% CrI: 0.79, 1.00; OR_Q = 0.17, 95% CrI: 0.05, 0.60) and higher RPEs (OR_Q = 0.18, 95% CrI: 0.04, 0.72). For bench press barbell variations, moderate-experience lifters had higher odds of performing low (OR_Q = 0.28, 95% CrI: 0.10, 0.76) and high (OR_L = 0.88, 95% CrI: 0.80, 0.96; OR_Q= 0.33, 95% CrI: 0.12, 0.94) repetitions at moderate RPEs. For accessories, moderate-experience lifters had higher odds of performing moderate (OR_Q = 0.28, 95% CrI: 0.09, 0.84) and higher (OR_Q = 0.28, 95% CrI: 0.10, 0.77) repetitions at moderate RPEs.

For deadlift, low- and high-experience lifters had higher odds of performing only competition-style deadlifts (OR_Q = 43.42, 95% CrI: 3.63, 626.04). In contrast, higher weekly frequencies of competition-style deadlifts ocurred among lifters with moderate experience (Q = -0.23, 95% CrI: -0.46, -0.00). Lifters with moderate experience also had the highest odds of including block pulls (OR_Q = 0.27, 95% CrI: 0.09, 0.81), while the odds of performing good

mornings increased with experience (OR_L = 1.12, 95% CrI: 1.02, 1.23). In competition deadlift, moderate-experience lifters had higher odds of performing low repetitions at moderate RPEs (OR_Q = 0.18, 95% CrI: 0.06, 0.54). For deadlift barbell variations, moderate-experience lifters had higher odds of performing high repetitions at moderate RPEs (OR_L = 0.89, 95% CrI: 0.81, 0.98; OR_Q = 0.23, 95% CrI: 0.09, 0.63). For accessories, the odds of performing moderate (OR_Q= 0.25, 95% CrI: 0.07, 0.80) and higher (OR_Q = 0.35, 95% CrI: 0.13, 0.97) repetitions at moderate RPEs were also greater in moderate-experience lifters.

Changes across competition season

Lifters with moderate powerlifting experience had higher odds of reporting increased RPEs in competition lifts when approaching competition (OR_Q = 0.42, 95% CrI: 0.19, 0.93). For barbell variations, lifters with low or high experience were more likely to be unsure how proximity to competition influenced programming (OR_Q = 19.11, 95% CrI: 1.83, 221.10). Moderate-experience lifters had higher odds of reporting increased RPEs near competition (OR_Q = 0.15, 95% CrI: 0.04, 0.49), while odds of reporting lower RPEs approaching competition increased with experience (OR_L = 1.08, 95% CrI: 1.00, 1.18).

Near competition, the odds of including wider grip deadlifts (OR_L = 6.06, 95% CrI: 1.57, 35.58), eccentric overload (OR_L = 5.99, 95% CrI: 1.58, 35.35), and floating deadlifts (OR_L = 1.96, 95% CrI: 1.03, 4.18) increased with powerlifting experience. Lifters with moderate experience were more likely to include long-paused bench presses (OR_Q = 0.07, 95% CrI: 0.01, 0.59) and specialty bar deadlifts (OR_Q = 0.01, 95% CrI: 0.00, 0.69), while board presses were more common among low or high experience lifters (OR_L = 1.38, 95% CrI: 1.10, 1.73; OR_Q= 13.64, 95% CrI: 1.13, 166.04).

Further from competition, the odds of using specialty bar squats decreased with experience (OR_L = 0.82, 95% CrI: 0.67, 0.98), while the odds of performing non-barbell upper-body pressing increased (OR_L = 1.20, 95% CrI: 1.02, 1.42). Moderate-experience lifters had higher odds of performing pause squats (OR_Q = 0.13, 95% CrI: 0.02, 0.90) and pause deadlifts (OR_Q = 0.08, 95% CrI: 0.01, 0.70).

Resistance training experience

General training practices

The odds of including heel elevated squats decreased with resistance training experience (OR_L = 0.81, 95% CrI: 0.66, 0.98). Lifters with low or high resistance training experience were more likely to perform low repetition, high RPE competition squats (OR_Q = 5.42, 95% CrI: 1.26, 23.52), higher repetitions at moderate (OR_Q= 5.92, 95% CrI: 1.48, 23.83) and high (OR_Q = 9.10, 95% CrI: 1.79, 45.19) RPEs in barbell variations, and higher repetition, moderate RPE squat accessories (OR_Q = 6.93, 95% CrI: 1.65, 30.67).

Lifters with low or high resistance training experience had higher odds of including bench presses at different angles (OR_Q = 7.95, 95% CrI: 1.87, 34.68) and Spoto presses (OR_L= 1.20, 95% CrI: 1.03, 1.40; OR_Q = 4.48, 95% CrI: 1.09, 18.05). These lifters were also more likely to perform bench press barbell variations with low repetitions at moderate RPEs (OR_Q = 4.76, 95% CrI: 1.07, 21.87) and accessories with moderate repetitions at low RPEs (OR_Q = 15.37, 95% CrI: 1.21, 194.13).

The odds of performing barbell variations with moderate repetitions at low RPEs decreased with resistance training experience (OR_L = 0.84, 95% CrI: 0.70, 1.00), while lifters with low or high resistance training experience had higher odds of performing deadlift accessories with higher repetitions at low RPEs (OR_Q = 9.19, 95% CrI: 1.40, 61.71).

Changes across competition season

For competition lifts, the odds of reporting higher relative loads closer to competition decreased with resistance training experience (OR_L = 0.84, 95% CrI: 0.72, 0.98). For barbell variations, lifters with low or high resistance training experience had higher odds of reporting increased volume/frequency near competition (OR_Q= 12.14, 95% CrI: 1.21, 118.37), while those with moderate experience were more likely to report higher RPEs (OR_L = 0.67, 95% CrI: 0.50, 0.93; OR_Q = 0.09, 95% CrI: 0.01, 0.65).

Near competition, the odds of including bench press eccentric overload increased with resistance training experience (OR_L = 27.04, 95% CrI: 2.42, 806.98), while the odds of performing slower concentric phase deadlifts decreased (OR_L = 0.28, 95% CrI: 0.04, 0.98). Moderate-experience lifters had higher odds of including slower eccentric phases squats (OR_Q = 0.12, 95% CrI: 0.01, 0.94), bench press with different grip widths (OR_L = 0.43, 95% CrI: 0.23, 0.73; OR_Q = 0.00, 95% CrI: 0.00, 0.29), alternative stance deadlifts (OR_L = 0.53, 95% CrI: 0.26, 0.91; OR_Q = 0.02, 95% CrI: 0.00, 0.69), or

accommodating resistance (OR_Q = 0.02, 95% CrI: 0.00, 0.65). However, lifters with low or high experience had much higher odds of performing bench press with accommodating resistance (OR_Q = 1429.43, 95% CrI: 4.57, 541147.52).

Further from competition, the odds of including unilateral hip hinges decreased with experience (OR_L = 0.61, 95% CrI: 0.35, 0.96). Moderate-experience lifters had higher odds of including alternative bar placement squats (OR_Q = 0.12, 95% CrI: 0.02, 0.69) and goodmornings (OR_L = 0.72, 95% CrI: 0.50, 1.00; OR_Q = 0.07, 95% CrI: 0.00, 0.91).

Training frequency results

	Sample mean	Gender	Division	Weight class	Age	GLP	RT experience	PL experience
Resistance training	*4.25 (4.19, 4.31)*	*0.08 (-0.07, 0.23)*	*0.13 (-0.23, 0.50)*	*L: -0.08 (-0.21, 0.04)*	***L: -0.24 (-0.42, -0.06)***	*L: -0.01 (-0.03, 0.00)*	*L: -0.01 (-0.05, 0.04)*	*L: -0.01 (-0.04, 0.01)*
				Q: -0.15 (-0.26, -0.04)	*Q: -0.09 (-0.21, 0.02)*	*Q: -0.14 (-0.44, 0.16)*	*Q: 0.14 (-0.25, 0.54)*	*Q: -0.25 (-0.51, 0.01)*
Competition squat	*1.64 (1.58, 1.69)*	*-0.02 (-0.15, 0.11)*	*0.04 (-0.25, 0.33)*	***L: -0.15 (-0.26, -0.04)***	*L: -0.11 (-0.27, 0.04)*	*L: -0.01 (-0.02, 0.01)*	*L: -0.04 (-0.07, 0.00)*	*L: 0.00 (-0.02, 0.02)*
				Q: -0.01 (-0.11, 0.08)	*Q: -0.04 (-0.14, 0.06)*	*Q: -0.06 (-0.32, 0.19)*	*Q: -0.34 (-0.68, 0.00)*	*Q: -0.19 (-0.42, 0.03)*
Barbell squat variations	*1.50 (1.44, 1.56)*	*-0.06 (-0.21, 0.10)*	*0.00 (-0.35, 0.36)*	***L: -0.21 (-0.34, -0.08)***	*L: 0.01 (-0.18, 0.19)*	*L: -0.00 (-0.02, 0.02)*	*L: -0.01 (-0.05, 0.04)*	***L: 0.03 (0.00, 0.06)***
				Q: 0.05 (-0.07, 0.16)	*Q: 0.02 (-0.10, 0.14)*	*Q: -0.10 (-0.41, 0.21)*	*Q: -0.01 (-0.41, 0.39)*	*Q: 0.07 (-0.20, 0.33)*
Squat accessories	*1.73 (1.67, 1.79)*	*-0.08 (-0.23, 0.07)*	*0.25 (-0.11, 0.60)*	*L: -0.03 (-0.16, 0.10)*	*L: -0.10 (-0.28, 0.07)*	*L: 0.00 (-0.02, 0.002)*	*L: -0.02 (-0.06, 0.02)*	*L: -0.02 (-0.05, 0.00)*
				Q: -0.06 (-0.17, 0.04)	*Q: -0.03 (-0.14, 0.09)*	*Q: 0.15 (-0.15, 0.45)*	*Q: 0.02 (-0.36, 0.40)*	*Q: -0.24 (-0.49, 0.02)*
Competition bench press	*2.48 (2.41, 2.55)*	*0.11 (-0.21, 0.35)*	*0.22 (-0.36, 0.79(*	***L: -0.30 (-0.49, -0.09)***	***L: -0.34 (-0.60, -0.08)***	*L: 0.00 (-0.02, 0.03)*	*L: -0.04 (-0.10, 0.03)*	*L: 0.01 (-0.03, 0.05)*
				Q: 0.03 (-0.14, 0.20)	*Q: 0.01 (-0.17, 0.19)*	*Q: -0.16 (-0.64, 0.30)*	*Q: -0.22 (-0.63, 0.18)*	*Q: -0.22 (-0.63, 0.18)*
Barbell bench press variations	*2.14 (2.07, 2.21)*	*-0.08 (-0.28, 0.13)*	*0.03 (-0.42, 0.49)*	*L: -0.09 (-0.27, 0.08)*	*L: -0.24 (-0.47, 0.00)*	*L: 0.01 (-0.01, 0.03)*	*L: -0.01 (-0.07, 0.05)*	*L: 0.01 (-0.02, 0.05)*
				Q: -0.06 (-0.21, 0.09)	*Q: 0.04 (-0.12, 0.20)*	*Q: 0.40 (-0.01, 0.80)*	*Q: -0.14 (-0.70, 0.43)*	*Q: -0.09 (-0.43, 0.26)*
Bench press accessories	*2.46 (2.39, 2.53)*	*-0.06 (-0.27, 0.14)*	***0.47 (0.01, 0.93)***	*L: -0.06 (-0.24, 0.11)*	*L: -0.05 (-0.29, 0-17)*	*L: -0.01 (-0.03, 0.02)*	*L: 0.03 (-0.02, 0.09)*	*L: 0.02 (-0.02, 0.05)*
				Q: 0.03 (-0.11, 0.18)	*Q: 0.02 (-0.13, 0.17)*	*Q: 0.16 (-0.24, 0.57)*	*Q: 0.17 (-0.36, 0.70)*	*Q: -0.2 (-0.35, 0.31)*
Competition deadlift	*1.37 (1.31, 1.42)*	*-0.09 (-0.22, 0.04)*	*0.25 (-0.05, 0.55)*	*L: -0.11 (-0.22, 0.00)*	*L: -0.11 (0.26, 0.03)*	*L: -0.01 (-0.02, 0.01)*	*L: -0.01 (-0.05, 0.03)*	*L: -0.01 (-0.03, 0.01)*
				Q: 0.01 (-0.09, 0.11)	*Q: 0.01 (-0.09, 0.11)*	***Q: -0.28 (-0.54, -0.00)***	*Q: -0.02 (-0.36, 0.32)*	***Q: -0.23 (-0.46, -0.00)***
Barbell deadlift variations	*1.26 (1.20, 1.32)*	*-0.07 (-0.21, 0.07)*	*0.06 (-0.30, 0.42)*	*L: -0.15 (-0.26, -0.03)*	*L: -0.10 (-0.26, 0.06)*	*L: -0.00 (-0.02, 0.01)*	*L: -0.01 (-0.05, 0.02)*	*L: 0.02 (-0.00, 0.05)*
				Q: 0.07 (-0.04, 0.17)	*Q: -0.08 (-0.19, 0.03)*	*Q: -0.11 (-0.40, 0.18)*	*Q: -0.06 (-0.42, 0.30)*	*Q: 0.13 (-0.11, 0.37)*
Deadlift accessories	*1.72 (1.65, 1.79)*	*-0.17 (-0.35, 0.01)*	*0.23 (-0.22, 0.67)*	*L: 0.06 (-0.10, 0.21)*	*L: -0.20 (-0.42, 0.02)*	*L: -0.00 (-0.02, 0.02)*	*L: 0.00 (-0.05, 0.05)*	*L: 0.02 (-0.01, 0.05)*
				Q: 0.03 (-0.11, 0.17)	*Q: 0.04 (-0.11, 0.18)*	*Q: 0.11 (-0.27, 0.48)*	*Q: 0.21 (-0.26, 0.68)*	*Q: -0.16 (-0.48, 0.16)*

Table S2 – Training frequencies in powerlifters. Data is presented as the point estimate (days/week) and its 95% credible interval. The sample mean indicates the average across the whole survey sample, while the effects of demographic factors represent the change relative to the sample mean given a change in the given factor. Positive values for gender and division indicates higher frequencies in men and raw lifters, respectively. For the remaining ordinal variables, a positive value in the linear association (L) indicates increased frequency with higher orders of the factor (i.e., heavier, older, stronger or more experienced), while a positive quadratic association (Q) indicates higher frequencies at the extremes of that factor relative to middle values and *vice versa*.

Results for categorical questions

Q2.1

Q2.1 Within the last year, have your squat-focused lower-body training involved any of the following exercise selections or executions?

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Alternative bar placements (i.e. high bar or front squat, if low bar is your competition variant) (1)	n = 388 (71.3%)	1.13 (0.65, 1.95)	2.90 (0.89, 9.24)	L: 0.81 (0.50, 1.30) Q: 0.94 (0.63, 1.41)	L: 1.12 (0.60, 2.09) Q: 0.88 (0.58, 1.34)	L: 1.04 (0.95, 1.14) Q: 0.09 (0.02, 0.43)	L: 0.89 (0.77, 1.03) Q: 0.42 (0.11, 1.64)	L: 1.01 (0.92, 1.11) Q: 0.99 (0.38, 2.62)
Alternative stances (i.e. purposely squatting with a wider and/or narrower stance than your competition lift) (2)	n = 86 (15.8%)	0.73 (0.39, 1.37)	0.25 (0.07, 0.89)	L: 1.75 (0.99, 3.18) Q: 0.81 (0.50, 1.32)	L: 1.03 (0.49, 2.16) Q: 0.92 (0.56, 1.51)	L: 0.96 (0.85, 1.08) Q: 0.82 (0.12, 5.17)	L: 0.88 (0.72, 1.07) Q: 0.44 (0.08, 2.43)	L: 1.01 (0.91, 1.13) Q: 2.13 (0.70, 6.62)
Use of specialty bars (i.e. safety-bar, cambered bar etc.) (3)	n = 257 (47.2%)	0.83 (0.49, 1.39)	0.24 (0.06, 0.86)	L: 2.33 (1.47, 3.67) Q: 0.43 (0.29, 0.63)	L: 1.28 (0.70, 2.34) Q: 0.94 (0.62, 1.40)	L: 1.03 (0.94, 1.13) Q: 0.20 (0.04, 0.96)	L: 0.95 (0.82, 1.09) Q: 1.37 (0.37, 4.93)	L: 1.01 (0.93, 1.10) Q: 1.37 (0.55, 3.41)
Slow(er) eccentric tempos (i.e. performing the squat with a purposely slower than normal lowering tempo) (4)	n = 364 (66.9%)	0.40 (0.23, 0.70)	3.55 (1.10, 11.76)	L: 1.16 (0.73, 1.84) Q: 0.78 (0.53, 1.15)	L: 1.29 (0.70, 2.43) Q: 0.92 (0.60, 1.39)	L: 0.98 (0.90, 1.08) Q: 0.49 (0.10, 2.40)	L: 1.02 (0.88, 1.18) Q: 1.09 (0.30, 4.17)	L: 0.96 (0.88, 1.06) Q: 2.62 (1.03, 6.81)
Slow(er) concentric tempos (i.e. performing the squat with a purposely slower than normal lifting tempo) (5)	n = 110 (20.2%)	0.49 (0.27, 0.88)	0.52 (0.15, 1.84)	L: 2.05 (1.20, 3.59) Q: 0.75 (0.48, 1.17)	L: 0.99 (0.50, 1.95) Q: 0.96 (0.60, 1.52)	L: 0.98 (0.88, 1.09) Q: 0.90 (0.15, 5.08)	L: 0.90 (0.75, 1.06) Q: 0.42 (0.09, 1.94)	L: 0.97 (0.88, 1.08) Q: 1.08 (0.38, 3.06)
Pause squats (i.e. squats with a pause in the bottom position) (6)	n = 465 (85.5%)	0.60 (0.29, 1.20)	1.69 (0.37, 6.66)	L: 0.54 (0.28, 1.02) Q: 1.28 (0.77, 2.15)	L: 0.75 (0.35, 1.65) Q: 1.04 (0.63, 1.77)	L: 1.05 (0.94, 1.18) Q: 0.38 (0.06, 2.73)	L: 0.95 (0.80, 1.14) Q: 0.36 (0.07, 1.99)	L: 0.97 (0.86, 1.08) Q: 1.92 (0.61, 6.27)
Pin squats (i.e. pause squats where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed) (7)	n = 156 (28.7%)	0.50 (0.29, 0.87)	1.05 (0.31, 3.74)	L: 1.09 (0.67, 1.78) Q: 0.63 (0.41, 0.93)	L: 1.44 (0.75, 2.78) Q: 0.64 (0.42, 0.98)	L: 0.97 (0.87, 1.07) Q: 0.13 (0.02, 0.72)	L: 0.96 (0.83, 1.11) Q: 1.11 (0.28, 4.31)	L: 1.03 (0.94, 1.13) Q: 1.19 (0.46, 3.07)
Partial range of motion squats (i.e. squats where depth is purposely reduced to less than competition depth) (8)	n = 33 (6.1%)	0.99 (0.39, 2.65)	1.63 (0.21, 22.95)	L: 1.73 (0.74, 4.24) Q: 0.78 (0.38, 1.57)	L: 0.96 (0.34, 2.59) Q: 1.40 (0.68, 2.84)	L: 1.04 (0.89, 1.21) Q: 2.82 (0.20, 30.54)	L: 0.89 (0.66, 1.17) Q: 0.58 (0.04, 6.51)	L: 1.01 (0.86, 1.17) Q: 2.27 (0.49, 10.55)
Box squats (i.e. squat performed to a box) (9)	n = 78 (14.3%)	1.34 (0.67, 2.77)	0.19 (0.05, 0.68)	L: 1.50 (0.81, 2.86) Q: 0.84 (0.50, 1.42)	L: 3.47 (1.61, 7.63) Q: 0.88 (0.52, 1.46)	L: 0.82 (0.71, 0.95) Q: 0.06 (0.00, 0.65)	L: 0.84 (0.68, 1.03) Q: 0.36 (0.06, 2.10)	L: 1.07 (0.95, 1.20) Q: 0.58 (0.17, 1.94)
Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise) (10)	n = 76 (14.0%)	0.73 (0.37, 1.46)	0.06 (0.02, 0.23)	L: 2.15 (1.11, 4.36) Q: 0.59 (0.34, 1.00)	L: 3.10 (1.26, 7.75) Q: 0.52 (0.29, 0.91)	L: 1.10 (0.96, 1.27) Q: 0.08 (0.01, 0.81)	L: 0.97 (0.80, 1.16) Q: 0.76 (0.14, 4.20)	L: 1.01 (0.90, 1.13) Q: 1.82 (0.59, 5.57)
Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (11)	n = 19 (3.5%)	0.14 (0.04, 0.45)	11.64 (0.38, 1505.28)	L: 2.30 (0.83, 7.13) Q: 0.95 (0.38, 2.38)	L: 0.95 (0.25, 3.32) Q: 1.71 (0.66, 4.36)	L: 1.28 (1.02, 1.66) Q: 0.22 (0.00, 6.20)	L: 1.14 (0.84, 1.52) Q: 2.05 (0.12, 31.28)	L: 0.90 (0.70, 1.13) Q: 0.31 (0.03, 2.75)
Heel elevation (i.e. using slant boards or plates to elevate the heels) (12)	n = 106 (19.5%)	1.04 (0.56, 1.95)	0.79 (0.21, 3.39)	L: 1.09 (0.65, 1.83) Q: 0.91 (0.59, 1.43)	L: 0.81 (0.40, 1.61) Q: 0.91 (0.57, 1.45)	L: 0.96 (0.86, 1.06) Q: 1.14 (0.20, 6.04)	L: 0.81 (0.66, 0.98) Q: 1.06 (0.21, 5.20)	L: 0.98 (0.88, 1.09) Q: 0.47 (0.16, 1.38)
Non-barbell squats (i.e. belt squat, smith-rack squat, hack squat, leg press, goblet squats etc.) (13)	n = 399 (73.3%)	0.69 (0.39, 1.21)	3.27 (0.98, 10.56)	L: 1.24 (0.78, 1.97) Q: 0.54 (0.35, 0.82)	L: 1.33 (0.69, 2.57) Q: 0.87 (0.57, 1.34)	L: 1.06 (0.96, 1.16) Q: 0.39 (0.08, 2.02)	L: 1.02 (0.87, 1.19) Q: 1.37 (0.33, 5.96)	L: 0.91 (0.83, 1.00) Q: 0.50 (0.20, 1.30)
Unilateral variants (i.e. variations of lunges, split squats and step-ups) (14)	n = 406 (74.6%)	0.75 (0.41, 1.34)	1.05 (0.26, 3.85)	L: 0.96 (0.60, 1.54) Q: 0.75 (0.49, 1.14)	L: 1.28 (0.68, 2.47) Q: 0.73 (0.47, 1.12)	L: 1.14 (1.03, 1.25) Q: 0.43 (0.08, 2.31)	L: 0.96 (0.82, 1.12) Q: 0.70 (0.18, 2.86)	L: 1.01 (0.92, 1.11) Q: 1.30 (0.46, 3.62)
Isolation exercises for the knee extensors (i.e. leg extensions, reverse sanding sissy squats etc.) (15)	n = 410 (75.4%)	0.64 (0.36, 1.14)	1.81 (0.52, 5.95)	L: 0.96 (0.60, 1.53) Q: 0.58 (0.38, 0.89)	L: 0.69 (0.36, 1.32) Q: 0.71 (0.46, 1.10)	L: 1.07 (0.97, 1.19) Q: 0.49 (0.09, 2.74)	L: 0.99 (0.85, 1.16) Q: 0.83 (0.20, 3.62)	L: 0.95 (0.86, 1.04) Q: 0.72 (0.27, 1.90)
Isolation exercises for the hip extensors (i.e. hip thrusts, back extensions, seated hip adductions, Copenhagen adductor drills etc.) (16)	n = 371 (68.2%)	0.58 (0.33, 1.00)	1.21 (0.35, 4.03)	L: 0.98 (0.62, 1.54) Q: 0.69 (0.46, 1.02)	L: 0.87 (0.47, 1.62) Q: 0.80 (0.53, 1.20)	L: 1.08 (0.99, 1.19) Q: 0.73 (0.14, 3.71)	L: 1.04 (0.89, 1.21) Q: 0.85 (0.22, 3.41)	L: 0.93 (0.85, 1.02) Q: 0.59 (0.23, 1.49)
No, competition style back squat is the only thing I do. (18)	n = 7 (1.3%)	8.58 (0.80, 156.57)	0.06 (0.00, 1.25)	L: 1.03 (0.22, 5.29) Q: 2.83 (0.61, 17.28)	L: 0.54 (0.05, 4.21) Q: 1.71 (0.32, 8.58)	L: 1.19 (0.85, 1.75) Q: 5.86 (0.03, 546.43)	L: 0.66 (0.27, 1.31) Q: 0.22 (0.00, 36.59)	L: 0.84 (0.58, 1.16) Q: 4.62 (0.17, 106.89)

Table S3 - Q2.1 **Within the last year, have your squat-focused lower-body training involved any of the following exercise selections or executions? Tick all boxes that apply to you.** For combinations of two or more variations (e.g., box squat against bands), tick all relevant boxes.

Q2.5

Q2.5 How are your competition style squat typically programmed (warm-up sets and deload weeks not included)? Only competition-style execution of the squat counts. No variations of squats with regards to tempo, stance, bar placement, changes in ROM, use of specialty bars etc. are included. RPE is a 0-10 rating scale of perceived exertion (10 being maximum effort with no more reps or kg in the tank). If it varies, tick all boxes that apply to you.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)	n = 267 (56.9%)	0.91 (0.52, 1.60)	0.01 (0.00, 0.10)	L: 0.58 (0.35, 0.94) Q: 0.98 (0.64, 1.48)	L: 0.78 (0.41, 1.48) Q: 0.76 (0.49, 1.17)	L: 0.90 (0.81, 0.99) Q: 1.13 (0.20, 6.31)	L: 1.07 (0.93, 1.25) Q: 5.42 (1.26, 23.52)	L: 0.97 (0.88, 1.07) Q: 0.51 (0.19, 1.34)
Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)	n = 317 (67.6%)	0.89 (0.49, 1.61)	0.50 (0.10, 2.15)	L: 0.83 (0.51, 1.36) Q: 0.54 (0.35, 0.84)	L: 0.19 (0.10, 0.37) Q: 1.13 (0.72, 1.78)	L: 1.20 (1.08, 1.33) Q: 0.67 (0.11, 4.08)	L: 0.98 (0.84, 1.16) Q: 1.35 (0.29, 6.23)	L: 1.06 (0.95, 1.17) Q: 0.69 (0.25, 1.86)
Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)	n = 104 (22.2%)	1.37 (0.69, 2.72)	1.95 (0.35, 14.26)	L: 1.07 (0.62, 1.87) Q: 0.78 (0.48, 1.25)	L: 0.35 (0.15, 0.77) Q: 1.02 (0.59, 1.72)	L: 1.13 (1.02, 1.27) Q: 3.39 (0.50, 21.26)	L: 1.05 (0.88, 1.25) Q: 2.50 (0.48, 12.43)	L: 1.00 (0.90, 1.12) Q: 1.01 (0.33, 3.04)
Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)	n = 165 (35.2%)	1.07 (0.59, 1.94)	0.16 (0.04, 0.62)	L: 0.61 (0.37, 0.99) Q: 1.02 (0.66, 1.55)	L: 0.96 (0.49, 1.86) Q: 0.72 (0.46, 1.12)	L: 0.91 (0.83, 1.01) Q: 1.46 (0.26, 8.40)	L: 1.07 (0.92, 1.25) Q: 2.01 (0.47, 8.66)	L: 1.02 (0.92, 1.12) Q: 0.49 (0.18, 1.30)
Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)	n = 323 (68.9%)	1.21 (0.68, 2.15)	0.96 (0.22, 3.87)	L: 0.87 (0.53, 1.40) Q: 0.91 (0.60, 1.39)	L: 0.85 (0.44, 1.61) Q: 0.99 (0.64, 1.53)	L: 1.05 (0.95, 1.16) Q: 0.68 (0.13, 3.77)	L: 1.07 (0.91, 1.26) Q: 3.41 (0.75, 15.82)	L: 0.99 (0.90, 1.09) Q: 0.52 (0.20, 1.38)
Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)	n = 134 (28.6%)	0.86 (0.46, 1.62)	4.39 (0.78, 30.78)	L: 1.55 (0.90, 2.63) Q: 0.79 (0.51, 1.23)	L: 0.54 (0.26, 1.08) Q: 0.88 (0.54, 1.43)	L: 1.19 (1.07, 1.33) Q: 0.66 (0.10, 4.18)	L: 1.01 (0.86, 1.19) Q: 0.61 (0.13, 2.75)	L: 1.04 (0.94, 1.15) Q: 0.47 (0.17, 1.34)
Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)	n = 43 (9.2%)	0.82 (0.34, 2.04)	2.03 (0.25, 30.34)	L: 0.68 (0.33, 1.40) Q: 1.00 (0.52, 1.90)	L: 0.71 (0.19, 2.31) Q: 0.47 (0.21, 0.99)	L: 1.08 (0.93, 1.27) Q: 0.94 (0.06, 11.21)	L: 0.94 (0.73, 1.18) Q: 1.47 (0.16, 12.45)	L: 1.09 (0.94, 1.26) Q: 0.50 (0.11, 2.12)
Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)	n = 78 (16.6%)	0.47 (0.24, 0.94)	1.31 (0.24, 8.03)	L: 0.97 (0.52, 1.81) Q: 0.64 (0.38, 1.09)	L: 2.83 (1.34, 6.05) Q: 1.31 (0.78, 2.21)	L: 1.12 (0.99, 1.27) Q: 0.54 (0.06, 4.08)	L: 0.92 (0.75, 1.12) Q: 0.52 (0.08, 3.15)	L: 1.01 (0.89, 1.14) Q: 0.21 (0.06, 0.75)
Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)	n = 43 (9.2%)	1.68 (0.65, 4.53)	0.73 (0.13, 5.77)	L: 1.45 (0.70, 3.10) Q: 1.23 (0.63, 2.42)	L: 0.69 (0.23, 1.90) Q: 1.10 (0.53, 2.19)	L: 1.15 (0.97, 1.38) Q: 0.18 (0.01, 2.92)	L: 0.80 (0.60, 1.04) Q: 0.11 (0.01, 1.16)	L: 1.10 (0.94, 1.28) Q: 0.28 (0.05, 1.32)

Table S4 - Q2.5 **How are your competition style squat typically programmed (warm-up sets and deload weeks not included)?** Only competition-style execution of the squat counts. No variations of squats with regards to tempo, stance, bar placement, changes in ROM, use of specialty bars etc. are included. *RPE is a 0-10 rating scale of perceived exertion (10 being maximum effort with no more reps or kg in the tank).* **If it varies, tick all boxes that apply to you.**

Q2.6

Q2.6 How are your close derivatives of the squat typically programmed (warm-up sets and deload weeks not included)? Close-derivative means any squat pattern with a free-weight barbell (i.e., not smith-rack) that is not the same as your competition-style squat, i.e. any manipulation in tempo, bar placement, stance, use of specialty bar or equipment, pauses etc. If it varies, tick all boxes that apply to you.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)	n = 78 (17.8%)	1.62 (0.80, 3.32)	0.19 (0.05, 0.74)	L: 0.79 (0.45, 1.42) Q: 0.76 (0.47, 1.24)	L: 0.88 (0.38, 1.94) Q: 0.58 (0.34, 0.96)	L: 0.93 (0.83, 1.04) Q: 3.50 (0.53, 22.86)	L: 0.96 (0.80, 1.14) Q: 1.70 (0.32, 8.71)	L: 1.05 (0.93, 1.19) Q: 0.17 (0.05, 0.56)
Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)	n = 128 (29.2%)	1.63 (0.90, 3.02)	0.14 (0.04, 0.51)	L: 1.21 (0.74, 2.01) Q: 0.83 (0.54, 1.25)	L: 0.90 (0.45, 1.75) Q: 0.75 (0.48, 1.17)	L: 1.02 (0.92, 1.13) Q: 0.55 (0.08, 3.26)	L: 1.03 (0.88, 1.19) Q: 2.35 (0.54, 9.80)	L: 1.02 (0.92, 1.12) Q: 0.30 (0.11, 0.81)
Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)	n = 66 (15.0%)	1.39 (0.67, 3.00)	0.35 (0.07, 1.97)	L: 0.52 (0.28, 0.97) Q: 0.71 (0.42, 1.18)	L: 0.09 (0.01, 0.37) Q: 0.37 (0.12, 0.88)	L: 1.10 (0.97, 1.26) Q: 1.15 (0.12, 9.26)	L: 0.93 (0.76, 1.12) Q: 0.38 (0.06, 2.43)	L: 1.11 (0.98, 1.25) Q: 1.08 (0.31, 3.66)
Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)	n = 140 (31.9%)	0.96 (0.54, 1.69)	0.18 (0.04, 0.66)	L: 1.18 (0.74, 1.89) Q: 1.10 (0.73, 1.66)	L: 0.86 (0.45, 1.65) Q: 0.66 (0.43, 1.01)	L: 1.03 (0.93, 1.14) Q: 0.58 (0.10, 3.09)	L: 1.07 (0.93, 1.24) Q: 3.36 (0.84, 13.71)	L: 0.97 (0.88, 1.06) Q: 0.61 (0.23, 1.53)
Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)	n = 281 (64.0%)	1.24 (0.73, 2.11)	0.39 (0.08, 1.64)	L: 1.36 (0.86, 2.17) Q: 0.98 (0.66, 1.45)	L: 1.11 (0.60, 2.04) Q: 1.39 (0.92, 2.10)	L: 1.12 (1.02, 1.23) Q: 0.18 (0.04, 0.90)	L: 0.92 (0.80, 1.06) Q: 0.44 (0.11, 1.68)	L: 1.03 (0.94, 1.13) Q: 0.89 (0.36, 2.17)
Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)	n = 121 (27.6%)	1.58 (0.87, 2.87)	0.73 (0.19, 3.12)	L: 0.98 (0.60, 1.60) Q: 1.07 (0.70, 1.64)	L: 0.49 (0.25, 0.94) Q: 1.11 (0.70, 1.72)	L: 1.06 (0.96, 1.18) Q: 1.01 (0.17, 5.46)	L: 0.94 (0.79, 1.10) Q: 0.94 (0.20, 4.13)	L: 1.00 (0.90, 1.10) Q: 1.43 (0.54, 3.70)
Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)	n = 80 (18.2%)	0.61 (0.32, 1.18)	1.80 (0.35, 12.91)	L: 0.70 (0.41, 1.18) Q: 1.43 (0.88, 2.31)	L: 0.96 (0.44, 2.08) Q: 0.71 (0.42, 1.17)	L: 1.00 (0.89, 1.12) Q: 0.76 (0.10, 4.96)	L: 1.14 (0.96, 1.35) Q: 9.10 (1.79, 45.19)	L: 0.97 (0.86, 1.08) Q: 0.32 (0.10, 0.99)
Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)	n = 143 (32.6%)	0.56 (0.32, 0.97)	4.81 (0.97, 31.51)	L: 0.62 (0.39, 0.98) Q: 1.20 (0.80, 1.81)	L: 1.36 (0.74, 2.54) Q: 0.86 (0.56, 1.31)	L: 1.00 (0.91, 1.10) Q: 0.60 (0.11, 3.00)	L: 1.15 (0.99, 1.33) Q: 5.92 (1.48, 23.83)	L: 0.98 (0.90, 1.08) Q: 0.63 (0.24, 1.63)
Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)	n = 52 (11.8%)	1.52 (0.68, 3.55)	1.88 (0.26, 24.56)	L: 1.34 (0.72, 2.60) Q: 1.46 (0.82, 2.65)	L: 0.85 (0.31, 2.18) Q: 0.69 (0.37, 1.25)	L: 1.01 (0.88, 1.16) Q: 0.66 (0.05, 6.65)	L: 1.06 (0.87, 1.28) Q: 4.17 (0.65, 25.74)	L: 0.93 (0.81, 1.06) Q: 0.34 (0.08, 1.28)

Table S5 - Q2.6 **How are your close derivatives of the squat typically programmed (warm-up sets and deload weeks not included)?** Close-derivative means any squat pattern with a free-weight barbell (i.e., not smith-rack) that is not the same as your competition-style squat, i.e. any manipulation in tempo, bar placement, stance, use of specialty bar or equipment, pauses etc. **If it varies, tick all boxes that apply to you.**

Q2.7

Q2.7 How are your non-barbell assistance and isolation exercises for the knee extensors (e.g., quads) typically programmed (warm-up sets and deload weeks not included)? For example, machine squats like belt squat, leg press, hack squat etc., variations of lunges, split squats ,step ups, leg extensions, sissy squats, reverse nordics etc. If it varies, tick all boxes that apply to you.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)	n = 7 (1.6%)	1.14 (0.18, 9.61)	1.76 (0.04, 286.04)	L: 0.74 (0.14, 4.00) Q: 0.89 (0.22, 3.89)	L: 0.89 (0.08, 6.75) Q: 1.20 (0.24, 5.28)	L: 0.98 (0.69, 1.39) Q: 0.40 (0.00, 45.09)	L: 0.90 (0.50, 1.44) Q: 0.25 (0.00, 16.46)	L: 1.07 (0.68, 1.58) Q: 0.07 (0.00, 2.30)
Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)	n = 7 (1.6%)	3.53 (0.41, 52.38)	0.98 (0.02, 169.38)	L: 0.49 (0.10, 2.15) Q: 1.74 (0.39, 9.43)	L: 0.08 (0.00, 2.78) Q: 0.25 (0.01, 2.35)	L: 1.02 (0.74, 1.45) Q: 1.73 (0.01, 172.67)	L: 1.11 (0.71, 1.65) Q: 1.06 (0.01, 60.13)	L: 1.09 (0.73, 1.59) Q: 0.11 (0.00, 3.55)
Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)	n = 4 (0.9%)	0.27 (0.03, 2.96)	0.71 (0.01, 114.87)	L: 2.04 (0.27, 20.40) Q: 1.81 (0.22, 22.53)	L: 1.60 (0.00, 1010.78) Q: 0.03 (0.00, 1.03)	L: 1.49 (0.83, 2.95) Q: 0.00 (0.00, 3.45)	L: 1.03 (0.52, 1.82) Q: 2.62 (0.01, 407.16)	L: 0.66 (0.29, 1.15) Q: 0.13 (0.00, 13.01)
Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)	n = 67 (15.7%)	1.19 (0.58, 2.53)	0.06 (0.01, 0.27)	L: 0.64 (0.34, 1.21) Q: 0.76 (0.44, 1.28)	L: 0.47 (0.18, 1.15) Q: 0.87 (0.45, 1.58)	L: 1.01 (0.89, 1.15) Q: 0.79 (0.08, 6.91)	L: 0.96 (0.78, 1.16) Q: 1.33 (0.22, 7.75)	L: 0.96 (0.84, 1.09) Q: 0.51 (0.13, 1.92)
Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)	n = 54 (12.7%)	0.62 (0.29, 1.34)	0.34 (0.07, 2.10)	L: 0.86 (0.44, 1.73) Q: 0.80 (0.45, 1.41)	L: 0.58 (0.19, 1.58) Q: 0.61 (0.30, 1.17)	L: 1.05 (0.91, 1.22) Q: 0.59 (0.05, 5.95)	L: 0.95 (0.75, 1.17) Q: 2.13 (0.31, 14.15)	L: 0.95 (0.81, 1.11) Q: 0.12 (0.02, 0.56)
Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)	n = 20 (4.7%)	0.80 (0.25, 2.78)	4.65 (0.15, 526.63)	L: 0.51 (0.19, 1.32) Q: 1.53 (0.63, 3.84)	L: 0.47 (0.05, 2.89) Q: 0.35 (0.09, 1.09)	L: 1.03 (0.82, 1.32) Q: 0.16 (0.00, 6.69)	L: 0.71 (0.43, 1.06) Q: 1.01 (0.04, 20.06)	L: 0.92 (0.69, 1.18) Q: 0.02 (0.00, 0.20)
Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)	n = 273 (64.1%)	1.25 (0.70, 2.21)	3.27 (0.72, 15.69)	L: 0.62 (0.38, 1.00) Q: 0.88 (0.58, 1.33)	L: 0.35 (0.18, 0.65) Q: 0.89 (0.57, 1.39)	L: 1.03 (0.94, 1.14) Q: 0.61 (0.11, 3.24)	L: 1.02 (0.88, 1.18) Q: 1.99 (0.49, 8.37)	L: 1.08 (0.98, 1.19) Q: 0.42 (0.15, 1.16)
Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)	n = 277 (65.0%)	0.59 (0.33, 1.06)	0.67 (0.12, 3.18)	L: 1.03 (0.63, 1.66) Q: 1.03 (0.68, 1.55)	L: 0.66 (0.35, 1.25) Q: 0.77 (0.50, 1.18)	L: 1.09 (0.98, 1.20) Q: 1.08 (0.20, 6.09)	L: 1.12 (0.97, 1.31) Q: 6.93 (1.65, 30.67)	L: 0.99 (0.89, 1.09) Q: 1.08 (0.40, 2.98)
Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)	n = 74 (17.4%)	2.29 (1.08, 5.02)	2.06 (0.27, 27.78)	L: 1.01 (0.57, 1.80) Q: 1.50 (0.90, 2.56)	L: 1.22 (0.51, 2.82) Q: 0.72 (0.41, 1.25)	L: 1.02 (0.90, 1.15) Q: 1.26 (0.14, 10.05)	L: 0.92 (0.75, 1.11) Q: 2.18 (0.38, 11.98)	L: 0.98 (0.87, 1.10) Q: 0.99 (0.29, 3.29)

Table S6 - Q2.7 **How are your non-barbell assistance and isolation exercises for the knee extensors (e.g., quads) typically programmed (warm-up sets and deload weeks not included)?** For example, machine squats like belt squat, leg press, hack squat etc., variations of lunges, split squats ,step ups, leg extensions, sissy squats, reverse nordics etc. **If it varies, tick all boxes that apply to you.**

Q3.1

Q3.1 Within the last year, have your upper body pressing training involved any of the following exercise selections or executions? Tick all boxes that apply to you. For combinations of two or more variations (e.g., Larsen press against bands), tick all relevant boxes.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Alternative grip widths (i.e. purposely gripping the bar closer or wider than your competition grip width) (1)	n = 348 (80.7%)	0.91 (0.45, 1.80)	0.28 (0.02, 2.03)	L: 1.16 (0.65, 2.03) Q: 0.62 (0.37, 1.03)	L: 0.51 (0.23, 1.12) Q: 1.80 (1.06, 3.09)	L: 1.09 (0.97, 1.23) Q: 1.97 (0.28, 16.02)	L: 0.95 (0.79, 1.13) Q: 0.47 (0.09, 2.40)	L: 1.08 (0.97, 1.20) Q: 1.03 (0.32, 3.34)
Alternative pressing angles (i.e. purposely pressing at different angles like incline and decline) (2)	n = 260 (60.3%)	0.82 (0.46, 1.46)	0.60 (0.13, 2.36)	L: 0.95 (0.58, 1.55) Q: 1.02 (0.67, 1.55)	L: 1.05 (0.57, 1.98) Q: 0.83 (0.54, 1.29)	L: 0.94 (0.85, 1.04) Q: 0.45 (0.09, 2.33)	L: 1.16 (0.99, 1.36) Q: 7.95 (1.87, 34.68)	L: 0.98 (0.90, 1.06) Q: 0.67 (0.24, 1.82)
Use of specialty bars (i.e. football bar, swiss bar, cambered bar etc.) (3)	n = 63 (14.6%)	1.56 (0.71, 3.58)	0.31 (0.07, 1.46)	L: 1.44 (0.71, 3.02) Q: 0.73 (0.41, 1.31)	L: 6.69 (2.77, 16.51) Q: 1.26 (0.68, 2.30)	L: 1.08 (0.93, 1.25) Q: 0.29 (0.02, 3.35)	L: 0.97 (0.77, 1.19) Q: 2.38 (0.36, 15.24)	L: 0.96 (0.86, 1.08) Q: 0.51 (0.13, 1.89)
Slow(er) eccentric tempos (i.e. performing the bench press with a purposely slower than normal lowering tempo) (4)	n = 296 (68.7%)	0.87 (0.47, 1.58)	1.26 (0.31, 4.88)	L: 0.89 (0.53, 1.47) Q: 0.92 (0.59, 1.42)	L: 0.46 (0.24, 0.88) Q: 1.05 (0.67, 1.64)	L: 1.00 (0.90, 1.12) Q: 1.43 (0.25, 8.33)	L: 0.89 (0.76, 1.04) Q: 0.34 (0.08, 1.46)	L: 0.99 (0.91, 1.09) Q: 1.40 (0.51, 3.85)
Slow(er) concentric tempos (i.e. performing the bench press with a purposely slower than normal lifting tempo) (5)	n = 76 (17.6%)	0.73 (0.36, 1.52)	0.94 (0.20, 5.31)	L: 2.76 (1.40, 5.66) Q: 0.85 (0.49, 1.47)	L: 0.92 (0.43, 1.91) Q: 1.82 (1.08, 3.11)	L: 1.06 (0.93, 1.20) Q: 0.64 (0.07, 5.21)	L: 1.08 (0.89, 1.29) Q: 0.97 (0.17, 5.53)	L: 0.99 (0.88, 1.11) Q: 0.22 (0.05, 0.86)
Touch and go bench press (i.e. bench press without a competition pause on the chest) (6)	n = 224 (52.0%)	1.06 (0.59, 1.89)	0.40 (0.08, 1.60)	L: 0.85 (0.51, 1.40) Q: 0.94 (0.62, 1.44)	L: 2.60 (1.39, 5.00) Q: 1.42 (0.91, 2.21)	L: 0.89 (0.81, 0.99) Q: 1.25 (0.23, 6.71)	L: 0.89 (0.76, 1.04) Q: 1.40 (0.35, 5.73)	L: 0.93 (0.85, 1.01) Q: 1.06 (0.39, 2.93)
Long-paused bench press (i.e. bench press with a longer than normal pause on the chest) (7)	n = 361 (83.8%)	0.69 (0.33, 1.43)	1.49 (0.30, 6.51)	L: 1.25 (0.70, 2.20) Q: 0.53 (0.31, 0.90)	L: 0.54 (0.25, 1.15) Q: 1.07 (0.64, 1.79)	L: 1.03 (0.92, 1.16) Q: 0.35 (0.06, 2.53)	L: 0.97 (0.82, 1.17) Q: 1.65 (0.30, 9.49)	L: 0.99 (0.89, 1.11) Q: 1.11 (0.34, 3.83)
Pin press (i.e. bench press where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed) (8)	n = 120 (27.8%)	1.00 (0.54, 1.87)	0.46 (0.12, 1.80)	L: 1.06 (0.62, 1.80) Q: 0.82 (0.53, 1.27)	L: 1.08 (0.54, 2.10) Q: 1.15 (0.73, 1.83)	L: 1.04 (0.93, 1.16) Q: 0.25 (0.03, 1.71)	L: 1.04 (0.89, 1.22) Q: 3.09 (0.72, 13.72)	L: 1.00 (0.92, 1.10) Q: 0.78 (0.26, 2.23)
Spoto press (i.e. bench press where depth is purposely reduced to less than competition depth without making contact with the chest) (9)	n = 204 (47.3%)	0.72 (0.41, 1.26)	0.94 (0.25, 3.60)	L: 1.06 (0.65, 1.73) Q: 0.89 (0.59, 1.34)	L: 1.23 (0.66, 2.30) Q: 1.08 (0.70, 1.63)	L: 0.94 (0.85, 1.04) Q: 0.49 (0.10, 2.54)	L: 1.20 (1.03, 1.40) Q: 4.48 (1.09, 18.05)	L: 0.99 (0.91, 1.08) Q: 1.38 (0.51, 3.67)
Bench press without leg drive (i.e. Larsen press or feet-up bench press) (10)	n = 337 (78.2%)	0.73 (0.37, 1.43)	1.34 (0.31, 5.43)	L: 0.97 (0.55, 1.68) Q: 0.76 (0.47, 1.23)	L: 0.32 (0.16, 0.65) Q: 0.90 (0.55, 1.46)	L: 1.02 (0.92, 1.14) Q: 0.53 (0.09, 3.22)	L: 0.93 (0.79, 1.11) Q: 0.46 (0.10, 2.34)	L: 0.97 (0.88, 1.07) Q: 2.43 (0.80, 7.62)
Accommodating resistance (i.e. using a slingshot, and/or band/chain resistance to change the resistance curve of the exercise) (11)	n = 112 (26.0%)	1.44 (0.74, 2.92)	0.03 (0.01, 0.17)	L: 1.51 (0.86, 2.70) Q: 0.77 (0.48, 1.25)	L: 2.84 (1.37, 5.90) Q: 0.86 (0.52, 1.41)	L: 1.17 (1.03, 1.34) Q: 0.02 (0.00, 0.25)	L: 1.04 (0.88, 1.22) Q: 1.05 (0.22, 4.84)	L: 1.01 (0.92, 1.10) Q: 0.82 (0.27, 2.52)
Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (12)	n = 19 (4.4%)	0.29 (0.09, 0.95)	1.34 (0.14, 20.88)	L: 1.13 (0.40, 3.37) Q: 1.16 (0.45, 3.03)	L: 3.49 (0.57, 29.48) Q: 0.39 (0.10, 1.20)	L: 1.29 (1.01, 1.72) Q: 0.23 (0.00, 8.53)	L: 1.21 (0.91, 1.58) Q: 5.94 (0.37, 91.31)	L: 1.00 (0.82, 1.21) Q: 0.29 (0.03, 2.38)
Board press (i.e. bench press to a board or box, reducing range of motion) (13)	n = 110 (25.5%)	2.07 (1.04, 4.26)	0.02 (0.00, 0.11)	L: 0.98 (0.56, 1.71) Q: 0.74 (0.46, 1.19)	L: 1.77 (0.88, 3.53) Q: 1.27 (0.78, 2.04)	L: 0.99 (0.88, 1.12) Q: 0.30 (0.03, 2.34)	L: 0.96 (0.80, 1.13) Q: 1.15 (0.23, 5.58)	L: 1.01 (0.92, 1.12) Q: 0.32 (0.10, 1.02)
Non-barbell pressing (i.e. smith-rack pressing, dumbbell pressing at various angles, machine chest press etc.) (14)	n = 318 (73.8%)	0.63 (0.33, 1.18)	1.35 (0.28, 5.81)	L: 1.01 (0.59, 1.67) Q: 0.72 (0.45, 1.13)	L: 1.88 (0.95, 3.83) Q: 1.01 (0.63, 1.63)	L: 1.08 (0.97, 1.21) Q: 0.67 (0.12, 4.07)	L: 1.10 (0.93, 1.31) Q: 1.49 (0.32, 7.13)	L: 0.99 (0.90, 1.09) Q: 0.63 (0.22, 1.83)
Bodyweight pressing (i.e. variations of dips and push ups) (15)	n = 225 (52.2%)	0.62 (0.35, 1.10)	0.74 (0.18, 3.05)	L: 0.96 (0.59, 1.54) Q: 0.55 (0.36, 0.84)	L: 1.39 (0.75, 2.60) Q: 0.65 (0.42, 1.00)	L: 1.09 (0.99, 1.20) Q: 0.57 (0.11, 2.95)	L: 1.06 (0.91, 1.24) Q: 1.08 (0.26, 4.40)	L: 0.91 (0.83, 0.99) Q: 0.27 (0.10, 0.73)
Isolation exercises for the elbow extensors (i.e. different types of triceps extensions) (16)	n = 363 (84.2%)	0.56 (0.25, 1.20)	0.80 (0.11, 4.44)	L: 1.77 (0.98, 3.17) Q: 0.59 (0.34, 1.00)	L: 0.69 (0.33, 1.42) Q: 0.51 (0.30, 0.86)	L: 1.04 (0.91, 1.18) Q: 0.64 (0.09, 5.52)	L: 0.89 (0.74, 1.08) Q: 0.28 (0.05, 1.68)	L: 0.98 (0.88, 1.10) Q: 0.78 (0.23, 2.68)
Isolation exercises for the chest and anterior shoulder (i.e. chest flies, front raises etc.) (17)	n = 292 (67.7%)	0.64 (0.34, 1.16)	1.18 (0.28, 4.66)	L: 1.71 (1.04, 2.82) Q: 0.60 (0.38, 0.93)	L: 1.19 (0.63, 2.25) Q: 0.83 (0.53, 1.29)	L: 1.12 (1.01, 1.24) Q: 0.26 (0.05, 1.43)	L: 1.01 (0.86, 1.19) Q: 0.81 (0.18, 3.49)	L: 0.91 (0.84, 1.00) Q: 0.94 (0.34, 2.64)
No, competition style bench press is the only thing I do (19)	n = 1 (0.2%)	5.15 (0.05, 822.53)	0.00 (0.00, 1.33)	L: 16.08 (0.24, 4507.18) Q: 5.89 (0.04, 2516.95)	L: 2.30 (0.00, 1738.33) Q: 0.16 (0.00, 12.43)	L: 2.01 (0.74, 6.40) Q: 0.07 (0.00, 290.97)	L: 0.83 (0.20, 2.58) Q: 2.60 (0.00, 7796.31)	L: 0.22 (0.03, 0.90) Q: 2.45 (0.00, 8129.69)

Table S7 – Q3.1 **Within the last year, have your upper body pressing training involved any of the following exercise selections or executions? Tick all boxes that apply to you.** For combinations of two or more variations (e.g., Larsen press against bands), tick all relevant boxes.

Q3.5

Q3.5 How are your competition style bench press typically programmed (warm-up sets and deload weeks not included)? Only competition-style execution of the bench press counts. No variations of bench press with regards to tempo, pause-length, grip, changes in ROM, use of specialty bars etc. are included. If it varies, tick all boxes that apply to you.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)	n = 280 (67.5%)	0.97 (0.51, 1.84)	0.11 (0.01, 0.91)	L: 0.73 (0.41, 1.25) Q: 0.72 (0.45, 1.17)	L: 0.83 (0.41, 1.69) Q: 0.77 (0.47, 1.26)	L: 1.02 (0.91, 1.15) Q: 1.78 (0.26, 13.06)	L: 1.08 (0.91, 1.29) Q: 4.08 (0.84, 20.66)	L: 1.01 (0.92, 1.11) Q: 0.61 (0.22, 1.73)
Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)	n = 289 (69.6%)	1.62 (0.85, 3.09)	0.60 (0.10, 3.13)	L: 0.65 (0.37, 1.16) Q: 0.95 (0.58, 1.55)	L: 0.31 (0.15, 0.63) Q: 0.86 (0.53, 1.42)	L: 1.07 (0.95, 1.21) Q: 0.51 (0.07, 3.52)	L: 0.86 (0.73, 1.02) Q: 1.22 (0.24, 6.14)	L: 1.02 (0.92, 1.12) Q: 0.49 (0.17, 1.44)
Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)	n = 88 (21.2%)	2.63 (1.17, 6.29)	1.07 (0.17, 8.16)	L: 1.22 (0.64, 2.30) Q: 1.24 (0.72, 2.17)	L: 0.28 (0.11, 0.69) Q: 1.27 (0.68, 2.31)	L: 1.16 (1.01, 1.33) Q: 1.01 (0.10, 8.93)	L: 0.96 (0.77, 1.17) Q: 1.12 (0.17, 7.36)	L: 1.02 (0.91, 1.15) Q: 0.32 (0.09, 1.10)
Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)	n = 186 (44.8%)	1.32 (0.70, 2.51)	0.46 (0.09, 2.21)	L: 0.59 (0.35, 1.01) Q: 1.28 (0.81, 2.02)	L: 1.00 (0.50, 1.98) Q: 0.64 (0.40, 1.03)	L: 0.98 (0.88, 1.10) Q: 0.25 (0.04, 1.59)	L: 1.12 (0.95, 1.31) Q: 2.69 (0.59, 12.42)	L: 1.05 (0.96, 1.15) Q: 0.35 (0.12, 0.98)
Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)	n = 308 (74.2%)	0.89 (0.45, 1.76)	1.64 (0.29, 8.14)	L: 1.17 (0.66, 2.05) Q: 0.78 (0.47, 1.30)	L: 0.60 (0.29, 1.23) Q: 0.54 (0.33, 0.90)	L: 1.15 (1.02, 1.31) Q: 1.75 (0.23, 14.58)	L: 1.01 (0.85, 1.21) Q: 1.85 (0.34, 10.19)	L: 0.97 (0.88, 1.07) Q: 0.42 (0.15, 1.28)
Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)	n = 113 (27.2%)	1.82 (0.89, 3.85)	1.89 (0.30, 14.90)	L: 1.19 (0.64, 2.22) Q: 0.81 (0.49, 1.35)	L: 0.54 (0.23, 1.21) Q: 1.07 (0.62, 1.84)	L: 1.26 (1.10, 1.46) Q: 0.10 (0.01, 1.03)	L: 0.89 (0.73, 1.08) Q: 1.03 (0.18, 5.76)	L: 0.94 (0.84, 1.05) Q: 0.43 (0.13, 1.38)
Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)	n = 69 (16.6%)	1.34 (0.60, 3.05)	2.43 (0.30, 36.05)	L: 0.83 (0.41, 1.68) Q: 0.62 (0.35, 1.09)	L: 0.89 (0.35, 2.23) Q: 0.86 (0.47, 1.57)	L: 1.07 (0.93, 1.24) Q: 0.64 (0.05, 6.34)	L: 1.02 (0.83, 1.25) Q: 1.59 (0.24, 10.86)	L: 0.99 (0.87, 1.12) Q: 0.18 (0.04, 0.72)
Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)	n = 110 (26.5%)	1.00 (0.51, 2.01)	2.85 (0.45, 24.86)	L: 0.63 (0.35, 1.15) Q: 0.85 (0.52, 1.41)	L: 0.93 (0.44, 1.97) Q: 1.50 (0.90, 2.53)	L: 1.11 (0.98, 1.25) Q: 2.07 (0.26, 14.98)	L: 1.02 (0.85, 1.22) Q: 2.22 (0.40, 12.00)	L: 0.89 (0.79, 1.00) Q: 0.17 (0.05, 0.60)
Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)	n = 49 (11.8%)	1.57 (0.62, 4.15)	0.25 (0.04, 1.65)	L: 1.63 (0.75, 3.63) Q: 0.93 (0.47, 1.79)	L: 0.59 (0.19, 1.68) Q: 1.06 (0.52, 2.15)	L: 1.22 (1.03, 1.47) Q: 0.42 (0.02, 6.41)	L: 0.90 (0.67, 1.16) Q: 1.48 (0.15, 13.67)	L: 0.92 (0.78, 1.07) Q: 0.37 (0.07, 1.66)

Table S8 – Q3.5 **How are your competition style bench press typically programmed (warm-up sets and deload weeks not included)?** Only competition-style execution of the bench press counts. No variations of bench press with regards to tempo, pause-length, grip, changes in ROM, use of specialty bars etc. are included. **If it varies, tick all boxes that apply to you.**

Q3.6

Q3.6 How are your close derivatives of bench press typically programmed (warm-up sets and deload weeks not included)? Close-derivative means any bench press pattern with a barbell that is not the same as your competition-style bench press, i.e. any manipulation in tempo, pause-length, grip, pressing angle, use of specialty bar or equipment, etc. If it varies, tick all boxes that apply to you.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)	n = 110 (27.5%)	1.08 (0.56, 2.11)	0.42 (0.10, 1.82)	L: 1.26 (0.72, 2.24) Q: 0.85 (0.53, 1.38)	L: 0.37 (0.16, 0.81) Q: 0.98 (0.58, 1.64)	L: 1.08 (0.96, 1.22) Q: 1.04 (0.15, 6.80)	L: 1.12 (0.95, 1.33) Q: 4.44 (0.87, 22.12)	L: 1.09 (0.98, 1.20) Q: 0.37 (0.12, 1.07)
Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)	n = 183 (45.8%)	1.31 (0.72, 2.41)	0.46 (0.10, 1.97)	L: 1.05 (0.63, 1.76) Q: 1.04 (0.67, 1.61)	L: 0.32 (0.16, 0.64) Q: 1.05 (0.67, 1.67)	L: 1.10 (0.99, 1.23) Q: 0.33 (0.06, 1.92)	L: 1.14 (0.97, 1.34) Q: 4.76 (1.07, 21.87)	L: 1.00 (0.92, 1.09) Q: 0.28 (0.10, 0.76)
Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)	n = 76 (19.0%)	1.30 (0.60, 2.86)	0.41 (0.08, 2.41)	L: 1.47 (0.77, 2.86) Q: 0.74 (0.43, 1.29)	L: 0.14 (0.03, 0.44) Q: 0.58 (0.25, 1.20)	L: 1.16 (1.02, 1.33) Q: 1.53 (0.17, 11.81)	L: 0.93 (0.76, 1.14) Q: 0.59 (0.09, 3.82)	L: 0.99 (0.89, 1.10) Q: 1.10 (0.34, 3.59)
Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)	n = 161 (40.2%)	1.38 (0.74, 2.58)	0.24 (0.05, 1.04)	L: 1.16 (0.68, 1.98) Q: 0.81 (0.52, 1.28)	L: 1.07 (0.53, 2.12) Q: 0.81 (0.51, 1.28)	L: 1.02 (0.92, 1.14) Q: 1.52 (0.27, 8.66)	L: 1.05 (0.89, 1.22) Q: 2.05 (0.47, 8.81)	L: 1.05 (0.96, 1.15) Q: 0.69 (0.26, 1.84)
Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)	n = 271 (67.8%)	1.00 (0.54, 1.87)	1.02 (0.21, 4.42)	L: 0.81 (0.48, 1.37) Q: 1.10 (0.69, 1.73)	L: 0.68 (0.34, 1.34) Q: 0.98 (0.61, 1.55)	L: 1.07 (0.96, 1.18) Q: 0.08 (0.02, 0.47)	L: 1.07 (0.91, 1.26) Q: 3.07 (0.68, 14.42)	L: 0.95 (0.87, 1.04) Q: 0.56 (0.21, 1.50)
Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)	n = 108 (27.0%)	1.08 (0.55, 2.14)	1.90 (0.35, 13.67)	L: 1.68 (0.93, 3.07) Q: 0.75 (0.46, 1.21)	L: 0.47 (0.21, 1.00) Q: 1.12 (0.67, 1.87)	L: 1.17 (1.04, 1.33) Q: 0.70 (0.09, 5.10)	L: 0.95 (0.79, 1.13) Q: 0.79 (0.15, 4.19)	L: 0.97 (0.88, 1.08) Q: 0.62 (0.20, 1.87)
Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)	n = 108 (27.0%)	1.60 (0.81, 3.18)	1.06 (0.21, 5.91)	L: 1.13 (0.63, 2.02) Q: 0.90 (0.56, 1.45)	L: 1.08 (0.50, 2.33) Q: 0.83 (0.50, 1.36)	L: 1.00 (0.89, 1.13) Q: 0.32 (0.04, 2.16)	L: 1.07 (0.90, 1.27) Q: 3.51 (0.73, 17.31)	L: 1.00 (0.90, 1.10) Q: 0.38 (0.12, 1.13)
Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)	n = 174 (43.5%)	0.80 (0.44, 1.47)	1.34 (0.30, 6.26)	L: 0.96 (0.58, 1.63) Q: 0.87 (0.56, 1.34)	L: 0.95 (0.49, 1.87) Q: 0.88 (0.56, 1.39)	L: 1.06 (0.96, 1.18) Q: 1.07 (0.18, 5.99)	L: 0.94 (0.80, 1.11) Q: 3.03 (0.65, 13.74)	L: 0.88 (0.80, 0.96) Q: 0.33 (0.12, 0.94)
Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)	n = 69 (17.2%)	0.63 (0.29, 1.35)	0.55 (0.11, 3.29)	L: 2.03 (1.03, 4.11) Q: 0.79 (0.44, 1.38)	L: 0.33 (0.13, 0.81) Q: 1.39 (0.77, 2.50)	L: 1.09 (0.95, 1.25) Q: 0.69 (0.07, 5.67)	L: 0.99 (0.80, 1.23) Q: 2.41 (0.34, 16.93)	L: 0.88 (0.77, 1.00) Q: 0.36 (0.08, 1.40)

Table S9 – Q3.6 **How are your close derivatives of bench press typically programmed (warm-up sets and deload weeks not included)?** Close-derivative means any bench press pattern with a barbell that is not the same as your competition-style bench press, i.e. any manipulation in tempo, pause-length, grip, pressing angle, use of specialty bar or equipment, etc. **If it varies, tick all boxes that apply to you.**

Q3.7

Q3.7 How are your non-barbell assistance or isolation exercises for the pressing musculature (i.e. pecs, triceps and anterior shoulder) typically programmed (warm-up sets and deload weeks not included)? For example, presses with machines, dumbbells, body weight and isolation exercises for the pecs, triceps and anterior delts, etc. If it varies, tick all boxes that apply to you.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)	n = 10 (2.6%)	1.69 (0.32, 12.01)	1.82 (0.05, 238.10)	L: 1.00 (0.22, 4.97) Q: 0.59 (0.17, 1.95)	L: 0.73 (0.07, 4.81) Q: 1.17 (0.27, 4.29)	L: 1.23 (0.86, 1.85) Q: 0.05 (0.00, 7.71)	L: 0.84 (0.50, 1.29) Q: 0.47 (0.01, 22.69)	L: 1.24 (0.96, 1.65) Q: 0.67 (0.05, 7.73)
Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)	n = 11 (2.9%)	0.87 (0.18, 4.86)	2.27 (0.06, 304.97)	L: 1.76 (0.47, 8.01) Q: 1.11 (0.32, 3.96)	L: 0.03 (0.00, 0.86) Q: 0.34 (0.02, 2.64)	L: 1.23 (0.88, 1.82) Q: 0.11 (0.00, 12.76)	L: 0.98 (0.62, 1.47) Q: 0.56 (0.01, 22.79)	L: 1.16 (0.93, 1.47) Q: 1.23 (0.11, 11.70)
Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)	n = 2 (0.5%)	0.43 (0.01, 19.38)	0.17 (0.00, 29.88)	L: 0.46 (0.02, 9.71) Q: 13.05 (0.22, 5280.27)	L: 1.41 (0.00, 808.11) Q: 0.08 (0.00, 3.68)	L: 1.74 (0.74, 5.00) Q: 0.04 (0.00, 89.91)	L: 0.84 (0.31, 2.09) Q: 0.01 (0.00, 7.13)	L: 1.70 (0.82, 4.87) Q: 0.85 (0.00, 283.84)
Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)	n = 103 (27.2%)	1.27 (0.64, 2.55)	0.24 (0.04, 1.32)	L: 0.47 (0.26, 0.84) Q: 1.12 (0.68, 1.83)	L: 0.55 (0.23, 1.26) Q: 0.59 (0.33, 1.02)	L: 1.13 (1.01, 1.28) Q: 4.36 (0.57, 31.50)	L: 0.83 (0.68, 1.00) Q: 0.36 (0.06, 2.10)	L: 1.02 (0.92, 1.13) Q: 0.59 (0.20, 1.70)
Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)	n = 104 (27.4%)	0.90 (0.46, 1.79)	0.31 (0.05, 1.72)	L: 0.70 (0.39, 1.22) Q: 1.11 (0.68, 1.82)	L: 0.51 (0.22, 1.17) Q: 0.56 (0.32, 0.95)	L: 1.04 (0.92, 1.17) Q: 3.92 (0.55, 27.31)	L: 0.98 (0.82, 1.17) Q: 1.93 (0.36, 10.22)	L: 1.01 (0.91, 1.12) Q: 0.28 (0.09, 0.84)
Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)	n = 30 (7.9%)	1.45 (0.50, 4.46)	0.76 (0.07, 12.84)	L: 0.62 (0.25, 1.48) Q: 1.01 (0.49, 2.15)	L: 0.36 (0.07, 1.53) Q: 0.69 (0.26, 1.65)	L: 1.14 (0.93, 1.41) Q: 1.15 (0.04, 24.72)	L: 1.13 (0.86, 1.45) Q: 15.37 (1.21, 194.13)	L: 1.07 (0.90, 1.27) Q: 0.28 (0.04, 1.59)
Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)	n = 262 (69.1%)	0.96 (0.49, 1.82)	0.33 (0.04, 1.98)	L: 0.86 (0.50, 1.46) Q: 0.53 (0.32, 0.84)	L: 0.52 (0.26, 1.05) Q: 0.71 (0.44, 1.14)	L: 1.06 (0.95, 1.19) Q: 0.29 (0.04, 2.01)	L: 1.00 (0.85, 1.18) Q: 1.61 (0.33, 7.90)	L: 1.01 (0.91, 1.11) Q: 0.75 (0.27, 2.16)
Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)	n = 248 (65.4%)	0.86 (0.45, 1.60)	0.43 (0.06, 2.63)	L: 1.46 (0.85, 2.51) Q: 1.55 (0.97, 2.46)	L: 1.12 (0.54, 2.28) Q: 0.96 (0.59, 1.54)	L: 1.07 (0.95, 1.20) Q: 0.46 (0.07, 3.11)	L: 1.03 (0.87, 1.21) Q: 1.83 (0.38, 9.11)	L: 0.99 (0.90, 1.08) Q: 0.28 (0.10, 0.77)
Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)	n = 74 (19.5%)	1.73 (0.79, 3.91)	3.50 (0.42, 48.33)	L: 2.04 (1.08, 4.03) Q: 1.52 (0.84, 2.74)	L: 1.00 (0.41, 2.41) Q: 0.71 (0.40, 1.26)	L: 1.00 (0.88, 1.14) Q: 3.00 (0.34, 23.95)	L: 1.04 (0.85, 1.25) Q: 2.29 (0.36, 14.51)	L: 1.04 (0.93, 1.16) Q: 0.55 (0.17, 1.76)

Table S10 – Q3.7 **How are your non-barbell assistance or isolation exercises for the pressing musculature (i.e. pecs, triceps and anterior shoulder) typically programmed (warm-up sets and deload weeks not included)?** For example, presses with machines, dumbbells, body weight and isolation exercises for the pecs, triceps and anterior delts, etc. **If it varies, tick all boxes that apply to you.**

Q4.1

Q4.1 Within the last year, have your deadlift-focused lower-body training involved any of the following exercise selections or executions? Tick all boxes that apply to you. For combinations of two or more variations (e.g., Romanian deadlifts against bands), tick all relevant boxes.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Alternative stances (i.e. performing sumo if conventional is your competition variation and vice versa) (1)	n = 190 (47.4%)	1.87 (1.00, 3.48)	0.18 (0.03, 0.90)	L: 0.59 (0.35, 1.00) Q: 1.01 (0.64, 1.57)	L: 0.66 (0.33, 1.32) Q: 1.13 (0.71, 1.82)	L: 1.04 (0.94, 1.17) Q: 0.45 (0.07, 2.94)	L: 0.94 (0.80, 1.10) Q: 0.76 (0.16, 3.56)	L: 1.08 (0.98, 1.19) Q: 0.49 (0.18, 1.26)
Use of specialty bars (i.e. deadlift bar, trap-bar/hex-bar etc.) (2)	n = 68 (17.0%)	0.70 (0.33, 1.50)	0.30 (0.05, 1.78)	L: 1.00 (0.50, 2.06) Q: 0.61 (0.34, 1.09)	L: 3.63 (1.51, 8.94) Q: 0.89 (0.49, 1.61)	L: 0.90 (0.78, 1.04) Q: 0.13 (0.01, 1.65)	L: 0.89 (0.70, 1.10) Q: 1.70 (0.23, 11.93)	L: 0.93 (0.81, 1.06) Q: 0.51 (0.13, 1.89)
Slow(er) eccentric tempos (i.e. performing the deadlift with a purposely slower than normal lowering tempo) (3)	n = 107 (26.7%)	1.60 (0.81, 3.21)	0.85 (0.16, 5.10)	L: 0.89 (0.50, 1.61) Q: 0.86 (0.52, 1.41)	L: 1.28 (0.60, 2.74) Q: 0.72 (0.43, 1.21)	L: 0.90 (0.80, 1.02) Q: 0.76 (0.09, 5.54)	L: 1.01 (0.85, 1.20) Q: 2.03 (0.38, 10.82)	L: 1.01 (0.91, 1.12) Q: 0.38 (0.13, 1.14)
Slow(er) concentric tempos (i.e. performing the deadlift with a purposely slower than normal lifting tempo) (4)	n = 59 (14.7%)	0.95 (0.43, 2.14)	1.64 (0.19, 25.00)	L: 0.88 (0.45, 1.73) Q: 0.93 (0.52, 1.68)	L: 0.67 (0.27, 1.63) Q: 0.97 (0.51, 1.81)	L: 0.85 (0.73, 0.99) Q: 1.08 (0.09, 10.69)	L: 1.06 (0.86, 1.29) Q: 1.10 (0.15, 7.57)	L: 0.99 (0.88, 1.11) Q: 0.58 (0.16, 1.95)
Pause deadlift (i.e. deadlifts with a pause early in the lifting, aka. concentric, phase) (5)	n = 321 (80.0%)	0.49 (0.22, 1.04)	2.46 (0.47, 12.50)	L: 0.79 (0.43, 1.45) Q: 0.58 (0.32, 1.02)	L: 0.72 (0.31, 1.63) Q: 0.96 (0.56, 1.67)	L: 1.02 (0.90, 1.16) Q: 1.11 (0.13, 10.28)	L: 1.06 (0.87, 1.31) Q: 0.41 (0.06, 2.82)	L: 0.96 (0.86, 1.07) Q: 1.14 (0.38, 3.57)
Block or rack pulls (i.e. deadlifts performed from pins or blocks to reduce range of motion) (6)	n = 111 (27.7%)	0.68 (0.35, 1.33)	0.42 (0.08, 2.26)	L: 1.08 (0.60, 1.93) Q: 0.70 (0.43, 1.16)	L: 2.02 (0.99, 4.20) Q: 1.41 (0.85, 2.34)	L: 0.87 (0.77, 0.99) Q: 0.13 (0.01, 1.11)	L: 0.99 (0.83, 1.19) Q: 2.90 (0.53, 15.81)	L: 1.00 (0.90, 1.12) Q: 0.27 (0.09, 0.81)
Deficit deadlifts (i.e. deadlift performed standing on a podium to increase range of motion) (7)	n = 148 (36.9%)	0.70 (0.37, 1.30)	10.22 (1.28, 140.64)	L: 0.85 (0.49, 1.45) Q: 0.79 (0.50, 1.26)	L: 1.76 (0.87, 3.56) Q: 0.95 (0.59, 1.53)	L: 0.95 (0.84, 1.06) Q: 0.15 (0.02, 1.01)	L: 0.99 (0.84, 1.17) Q: 1.13 (0.23, 5.43)	L: 1.01 (0.92, 1.11) Q: 0.81 (0.30, 2.15)
Wide-grip deadlifts (i.e. deadlift performed with a wider than usual grip width to increase range of motion) (8)	n = 69 (17.2%)	1.13 (0.53, 2.44)	24.30 (1.00, 2321.70)	L: 0.85 (0.45, 1.61) Q: 1.00 (0.57, 1.74)	L: 1.33 (0.56, 3.16) Q: 0.80 (0.45, 1.43)	L: 1.08 (0.93, 1.26) Q: 0.13 (0.01, 1.61)	L: 0.98 (0.80, 1.18) Q: 1.32 (0.20, 8.57)	L: 0.99 (0.88, 1.11) Q: 0.63 (0.18, 2.11)
Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise) (9)	n = 73 (18.2%)	1.06 (0.49, 2.32)	0.03 (0.01, 0.16)	L: 1.36 (0.71, 2.68) Q: 0.91 (0.52, 1.62)	L: 2.00 (0.87, 4.64) Q: 1.07 (0.61, 1.90)	L: 1.08 (0.94, 1.25) Q: 0.50 (0.04, 5.46)	L: 1.00 (0.82, 1.22) Q: 0.83 (0.12, 5.50)	L: 0.93 (0.83, 1.05) Q: 0.57 (0.16, 1.93)
Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (10)	n = 7 (1.7%)	1.78 (0.23, 17.83)	1.15 (0.03, 150.42)	L: 3.04 (0.52, 26.88) Q: 1.33 (0.23, 8.41)	L: 0.17 (0.00, 7.82) Q: 0.13 (0.01, 1.38)	L: 1.76 (1.07, 3.30) Q: 0.06 (0.00, 23.39)	L: 1.05 (0.63, 1.70) Q: 1.19 (0.01, 122.81)	L: 1.11 (0.85, 1.45) Q: 11.46 (0.73, 207.83)
Romanian or Stiff-Legged deadlifts (11)	n = 342 (85.3%)	1.19 (0.53, 2.62)	0.41 (0.03, 3.34)	L: 0.92 (0.46, 1.81) Q: 1.10 (0.61, 1.99)	L: 0.79 (0.31, 2.09) Q: 1.47 (0.80, 2.76)	L: 0.97 (0.84, 1.13) Q: 4.29 (0.34, 65.88)	L: 1.09 (0.88, 1.38) Q: 1.27 (0.16, 10.63)	L: 1.03 (0.91, 1.16) Q: 0.62 (0.19, 2.16)
Floating deadlift (i.e. deadlifts performed on a podium, in which the bar is lowered to just above the floor, without contact, before lifting once again) (12)	n = 28 (7.0%)	1.01 (0.35, 3.04)	0.27 (0.04, 2.84)	L: 0.99 (0.41, 2.49) Q: 1.12 (0.50, 2.54)	L: 0.93 (0.18, 4.44) Q: 0.36 (0.12, 0.92)	L: 1.11 (0.92, 1.38) Q: 1.29 (0.05, 25.98)	L: 0.85 (0.62, 1.14) Q: 0.77 (0.05, 11.42)	L: 1.03 (0.87, 1.20) Q: 0.84 (0.15, 4.39)
Goodmornings (i.e. hip hinges with a barbell or safety-bar on the back) (13)	n = 138 (34.4%)	1.09 (0.58, 2.09)	0.36 (0.07, 1.82)	L: 1.19 (0.69, 2.05) Q: 0.90 (0.56, 1.45)	L: 2.84 (1.39, 5.87) Q: 1.02 (0.63, 1.65)	L: 0.95 (0.85, 1.07) Q: 0.21 (0.03, 1.61)	L: 0.89 (0.75, 1.05) Q: 0.65 (0.13, 3.30)	L: 1.12 (1.02, 1.23) Q: 0.98 (0.36, 2.67)
Unilateral hinges (i.e. variations of one-leg deadlifts) (14)	n = 102 (25.4%)	0.64 (0.32, 1.27)	0.66 (0.13, 3.71)	L: 0.73 (0.41, 1.32) Q: 0.75 (0.45, 1.23)	L: 1.19 (0.56, 2.51) Q: 1.39 (0.82, 2.35)	L: 1.15 (1.01, 1.31) Q: 0.22 (0.02, 2.10)	L: 0.94 (0.77, 1.13) Q: 2.76 (0.48, 15.84)	L: 1.08 (0.97, 1.20) Q: 0.47 (0.15, 1.40)
Isolation exercises for the hamstrings, adductors, glutes and spinal erectors (i.e. leg curl, nordics, hip thrusts, back extensions, reverse hypers, seated hip adductions, Copenhagen adductor drills, glute-ham raises etc.) (15)	n = 323 (80.5%)	0.42 (0.19, 0.93)	0.83 (0.11, 4.78)	L: 0.74 (0.40, 1.36) Q: 0.58 (0.32, 1.02)	L: 0.89 (0.40, 2.01) Q: 0.56 (0.32, 0.96)	L: 1.02 (0.90, 1.16) Q: 0.45 (0.05, 4.04)	L: 1.09 (0.88, 1.36) Q: 1.68 (0.23, 12.55)	L: 0.98 (0.88, 1.09) Q: 0.45 (0.15, 1.37)
No, competition style deadlift is the only thing I do (17)	n = 10 (2.5%)	10.58 (1.24, 152.08)	0.46 (0.01, 54.96)	L: 1.43 (0.34, 6.92) Q: 1.83 (0.44, 8.19)	L: 0.24 (0.00, 10.64) Q: 0.09 (0.00, 0.87)	L: 1.30 (0.92, 1.93) Q: 3.42 (0.02, 381.28)	L: 0.61 (0.29, 1.10) Q: 0.22 (0.00, 22.67)	L: 1.09 (0.89, 1.34) Q: 43.42 (3.63, 626.04)

Table S11 – Q4.1 **Within the last year, have your deadlift-focused lower-body training involved any of the following exercise selections or executions? Tick all boxes that apply to you.** For combinations of two or more variations (e.g., Romanian deadlifts against bands), tick all relevant boxes.

Q4.5

Q4.5 How are your competition style deadlift typically programmed (warm-up sets and deload weeks not included)? Only competition-style execution of the deadlift counts. No variations of deadlift with regards to tempo, stance, changes in ROM, use of specialty bars etc. are included. If it varies, tick all boxes that apply to you.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)	n = 243 (59.4%)	0.87 (0.47, 1.60)	0.07 (0.00, 0.52)	L: 0.67 (0.40, 1.15) Q: 0.93 (0.59, 1.45)	L: 0.79 (0.40, 1.55) Q: 0.78 (0.49, 1.24)	L: 1.00 (0.90, 1.11) Q: 2.18 (0.34, 14.25)	L: 1.01 (0.86, 1.19) Q: 2.51 (0.54, 11.58)	L: 1.01 (0.93, 1.11) Q: 0.92 (0.35, 2.45)
Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)	n = 309 (75.6%)	0.77 (0.37, 1.54)	0.83 (0.13, 4.48)	L: 0.79 (0.44, 1.42) Q: 0.76 (0.45, 1.28)	L: 0.15 (0.07, 0.33) Q: 0.56 (0.33, 0.95)	L: 1.05 (0.94, 1.19) Q: 0.09 (0.01, 0.66)	L: 1.02 (0.85, 1.22) Q: 1.83 (0.32, 10.58)	L: 1.02 (0.92, 1.12) Q: 0.18 (0.06, 0.54)
Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)	n = 116 (28.4%)	1.60 (0.79, 3.30)	1.54 (0.26, 12.01)	L: 1.73 (0.93, 3.21) Q: 0.71 (0.43, 1.17)	L: 0.24 (0.09, 0.56) Q: 0.76 (0.42, 1.34)	L: 1.14 (1.01, 1.29) Q: 0.75 (0.09, 5.90)	L: 0.88 (0.72, 1.06) Q: 0.60 (0.11, 3.21)	L: 0.96 (0.86, 1.06) Q: 0.38 (0.12, 1.13)
Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)	n = 139 (34.0%)	1.08 (0.57, 2.04)	0.92 (0.19, 4.76)	L: 0.62 (0.37, 1.06) Q: 1.03 (0.65, 1.63)	L: 1.30 (0.65, 2.62) Q: 0.97 (0.59, 1.55)	L: 0.99 (0.89, 1.11) Q: 0.79 (0.12, 4.94)	L: 1.13 (0.97, 1.32) Q: 1.85 (0.42, 8.19)	L: 0.98 (0.90, 1.08) Q: 0.51 (0.18, 1.41)
Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)	n = 270 (66.0%)	1.35 (0.72, 2.47)	1.29 (0.28, 5.67)	L: 0.73 (0.43, 1.22) Q: 0.77 (0.48, 1.22)	L: 0.96 (0.47, 1.94) Q: 1.24 (0.78, 2.00)	L: 1.00 (0.90, 1.12) Q: 1.16 (0.19, 7.25)	L: 0.99 (0.84, 1.17) Q: 0.79 (0.17, 3.89)	L: 1.07 (0.97, 1.17) Q: 0.75 (0.28, 2.05)
Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)	n = 125 (30.6%)	1.25 (0.64, 2.52)	5.08 (0.63, 71.05)	L: 1.24 (0.69, 2.21) Q: 0.58 (0.36, 0.94)	L: 0.51 (0.23, 1.09) Q: 1.18 (0.70, 1.95)	L: 1.26 (1.11, 1.45) Q: 0.18 (0.02, 1.62)	L: 1.01 (0.85, 1.20) Q: 0.90 (0.18, 4.31)	L: 0.98 (0.88, 1.08) Q: 0.67 (0.23, 1.94)
Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)	n = 29 (7.1%)	1.19 (0.42, 3.59)	9.81 (0.33, 1227.71)	L: 0.91 (0.38, 2.24) Q: 1.14 (0.53, 2.50)	L: 1.35 (0.43, 4.10) Q: 1.27 (0.58, 2.75)	L: 1.02 (0.86, 1.21) Q: 3.31 (0.18, 46.48)	L: 1.21 (0.95, 1.53) Q: 2.16 (0.20, 22.47)	L: 0.96 (0.80, 1.13) Q: 0.31 (0.05, 1.80)
Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)	n = 44 (10.8%)	1.66 (0.67, 4.43)	16.32 (0.61, 1820.86)	L: 0.71 (0.33, 1.51) Q: 0.93 (0.48, 1.78)	L: 2.76 (1.07, 7.24) Q: 1.35 (0.69, 2.58)	L: 1.14 (0.98, 1.35) Q: 2.48 (0.17, 32.40)	L: 0.95 (0.74, 1.20) Q: 0.98 (0.12, 7.84)	L: 0.95 (0.81, 1.10) Q: 0.31 (0.06, 1.51)
Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)	n = 26 (6.4%)	1.41 (0.45, 4.76)	7.16 (0.25, 878.35)	L: 1.74 (0.63, 5.20) Q: 0.76 (0.32, 1.77)	L: 0.72 (0.17, 2.69) Q: 0.99 (0.40, 2.38)	L: 1.18 (0.97, 1.46) Q: 1.66 (0.06, 34.87)	L: 0.77 (0.49, 1.11) Q: 1.25 (0.06, 23.88)	L: 1.01 (0.84, 1.20) Q: 0.62 (0.09, 3.71)

Table S12 – Q4.5 **How are your competition style deadlift typically programmed (warm-up sets and deload weeks not included)?** Only competition-style execution of the deadlift counts. No variations of deadlift with regards to tempo, stance, changes in ROM, use of specialty bars etc. are included. **If it varies, tick all boxes that apply to you.**

Q4.6

Q4.6 How are your close derivates of the deadlift typically programmed (warm-up sets and deload weeks not included)? Close-derivative means any deadlift pattern with a barbell that is not the same as your competition-style squat, i.e. any manipulation in tempo, stance, use of specialty bar or equipment, pauses, Romanian deadlift, stiff-legged deadlift etc. If it varies, tick all boxes that apply to you.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)	n = 73 (19.1%)	1.08 (0.54, 2.21)	0.20 (0.04, 0.91)	L: 1.36 (0.71, 2.68) Q: 0.49 (0.29, 0.82)	L: 0.91 (0.39, 2.07) Q: 0.73 (0.42, 1.23)	L: 1.05 (0.93, 1.19) Q: 2.37 (0.31, 16.84)	L: 1.10 (0.92, 1.30) Q: 2.04 (0.37, 11.06)	L: 1.06 (0.95, 1.18) Q: 0.69 (0.23, 2.00)
Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)	n = 135 (35.3%)	1.48 (0.82, 2.69)	0.52 (0.12, 2.29)	L: 1.12 (0.68, 1.83) Q: 0.84 (0.55, 1.28)	L: 0.60 (0.29, 1.16) Q: 0.82 (0.52, 1.29)	L: 1.07 (0.97, 1.19) Q: 0.39 (0.06, 2.35)	L: 1.00 (0.86, 1.17) Q: 0.95 (0.21, 4.16)	L: 1.03 (0.95, 1.13) Q: 0.60 (0.24, 1.46)
Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)	n = 68 (17.8%)	1.76 (0.81, 4.00)	0.69 (0.12, 5.29)	L: 1.68 (0.85, 3.40) Q: 0.64 (0.37, 1.11)	L: 0.21 (0.05, 0.64) Q: 0.54 (0.24, 1.10)	L: 1.23 (1.04, 1.48) Q: 0.01 (0.00, 0.15)	L: 0.92 (0.75, 1.11) Q: 0.31 (0.05, 2.01)	L: 0.94 (0.83, 1.06) Q: 0.59 (0.17, 1.89)
Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)	n = 126 (33.0%)	0.93 (0.52, 1.68)	0.52 (0.12, 2.20)	L: 0.81 (0.49, 1.35) Q: 0.74 (0.48, 1.14)	L: 0.97 (0.50, 1.86) Q: 0.85 (0.54, 1.33)	L: 1.00 (0.90, 1.11) Q: 0.59 (0.10, 3.47)	L: 1.11 (0.96, 1.29) Q: 2.32 (0.53, 10.08)	L: 1.07 (0.98, 1.17) Q: 0.52 (0.21, 1.29)
Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)	n = 239 (62.6%)	0.93 (0.53, 1.62)	0.56 (0.10, 2.57)	L: 0.75 (0.46, 1.23) Q: 1.23 (0.81, 1.87)	L: 0.69 (0.37, 1.28) Q: 0.89 (0.57, 1.35)	L: 1.07 (0.96, 1.18) Q: 0.17 (0.03, 0.88)	L: 1.06 (0.92, 1.24) Q: 2.33 (0.55, 9.88)	L: 1.02 (0.93, 1.11) Q: 0.67 (0.28, 1.67)
Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)	n = 113 (29.6%)	1.48 (0.79, 2.80)	0.74 (0.18, 3.34)	L: 1.12 (0.67, 1.91) Q: 0.99 (0.64, 1.55)	L: 0.69 (0.34, 1.40) Q: 1.03 (0.64, 1.66)	L: 1.25 (1.11, 1.41) Q: 0.41 (0.05, 3.12)	L: 0.84 (0.70, 1.00) Q: 0.37 (0.07, 1.92)	L: 1.00 (0.91, 1.10) Q: 0.68 (0.25, 1.79)
Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)	n = 80 (20.9%)	0.72 (0.38, 1.40)	0.69 (0.15, 3.66)	L: 0.85 (0.49, 1.52) Q: 0.96 (0.59, 1.57)	L: 0.81 (0.35, 1.78) Q: 0.66 (0.39, 1.11)	L: 0.96 (0.85, 1.10) Q: 0.13 (0.01, 1.11)	L: 1.14 (0.96, 1.34) Q: 4.01 (0.76, 20.49)	L: 1.04 (0.94, 1.15) Q: 1.05 (0.38, 2.88)
Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)	n = 152 (39.8%)	0.96 (0.54, 1.71)	1.51 (0.35, 7.00)	L: 0.92 (0.57, 1.51) Q: 0.83 (0.55, 1.27)	L: 1.22 (0.65, 2.29) Q: 1.59 (1.02, 2.46)	L: 0.94 (0.85, 1.04) Q: 1.27 (0.23, 7.02)	L: 1.05 (0.90, 1.22) Q: 3.95 (0.92, 18.13)	L: 0.89 (0.81, 0.98) Q: 0.23 (0.09, 0.63)
Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)	n = 60 (15.7%)	1.14 (0.54, 2.49)	2.94 (0.39, 38.24)	L: 2.42 (1.16, 5.45) Q: 0.72 (0.40, 1.31)	L: 0.65 (0.28, 1.46) Q: 1.34 (0.76, 2.32)	L: 1.02 (0.90, 1.16) Q: 2.17 (0.26, 16.63)	L: 0.98 (0.79, 1.21) Q: 2.65 (0.36, 18.63)	L: 0.92 (0.80, 1.05) Q: 0.29 (0.07, 1.04)

Table S13 – Q4.6 **How are your close derivates of the deadlift typically programmed (warm-up sets and deload weeks not included)?** Close-derivative means any deadlift pattern with a barbell that is not the same as your competition-style squat, i.e. any manipulation in tempo, stance, use of specialty bar or equipment, pauses, Romanian deadlift, stiff-legged deadlift etc. **If it varies, tick all boxes that apply to you.**

Q4.7

Q4.7 How are your non-barbell assistance or isolation exercises that target the hip extensors typically programmed (warm-up sets and deload weeks not included)? For example, hip thrust, leg curl, back extensions, reverse hypers, Nordics, glute-ham raises, seated adductions, Copenhagen adductor drills etc. If it varies, tick all boxes that apply to you.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)	n = 5 (1.5%)	2.95 (0.24, 59.68)	0.47 (0.01, 67.53)	L: 1.05 (0.11, 11.68) Q: 0.82 (0.12, 5.71)	L: 2.29 (0.00, 937.46) Q: 0.03 (0.00, 0.65)	L: 1.11 (0.67, 1.87) Q: 0.05 (0.00, 34.63)	L: 0.75 (0.38, 1.33) Q: 0.01 (0.00, 2.29)	L: 1.23 (0.88, 1.85) Q: 4.00 (0.16, 96.40)
Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)	n = 5 (1.5%)	2.09 (0.21, 31.53)	0.63 (0.01, 120.14)	L: 1.30 (0.18, 11.22) Q: 0.95 (0.17, 5.89)	L: 0.16 (0.00, 8.31) Q: 0.15 (0.00, 1.77)	L: 0.99 (0.59, 1.61) Q: 0.07 (0.00, 31.82)	L: 0.81 (0.41, 1.41) Q: 0.04 (0.00, 6.98)	L: 1.00 (0.70, 1.39) Q: 1.65 (0.07, 34.54)
Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)	n = 4 (1.2%)	0.44 (0.03, 7.18)	0.75 (0.01, 143.30)	L: 1.64 (0.19, 17.78) Q: 1.38 (0.15, 19.21)	L: 0.07 (0.00, 3.10) Q: 0.62 (0.02, 10.77)	L: 1.83 (1.05, 3.92) Q: 0.70 (0.00, 459.02)	L: 1.04 (0.49, 2.06) Q: 0.03 (0.00, 14.46)	L: 0.95 (0.64, 1.39) Q: 6.56 (0.14, 351.32)
Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)	n = 80 (24.8%)	0.90 (0.45, 1.86)	0.34 (0.06, 1.90)	L: 1.08 (0.59, 1.99) Q: 0.90 (0.54, 1.50)	L: 0.69 (0.30, 1.59) Q: 0.98 (0.55, 1.71)	L: 1.05 (0.93, 1.20) Q: 0.67 (0.06, 6.42)	L: 0.94 (0.78, 1.14) Q: 1.02 (0.16, 6.26)	L: 1.02 (0.91, 1.14) Q: 0.34 (0.11, 1.02)
Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)	n = 81 (25.1%)	1.04 (0.51, 2.17)	0.35 (0.06, 2.08)	L: 0.99 (0.54, 1.81) Q: 1.22 (0.72, 2.10)	L: 0.69 (0.28, 1.65) Q: 0.64 (0.35, 1.14)	L: 1.08 (0.96, 1.23) Q: 5.82 (0.64, 54.20)	L: 0.88 (0.71, 1.06) Q: 1.07 (0.16, 6.85)	L: 0.96 (0.85, 1.08) Q: 0.25 (0.07, 0.80)
Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)	n = 30 (9.3%)	0.59 (0.22, 1.67)	13.98 (0.50, 1491.95)	L: 1.20 (0.52, 2.85) Q: 1.40 (0.65, 3.10)	L: 0.35 (0.08, 1.30) Q: 0.78 (0.30, 1.85)	L: 1.17 (0.96, 1.45) Q: 0.29 (0.01, 8.32)	L: 1.04 (0.78, 1.35) Q: 5.20 (0.40, 66.83)	L: 1.07 (0.91, 1.25) Q: 0.60 (0.12, 2.82)
Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)	n = 192 (59.4%)	1.04 (0.55, 2.00)	1.77 (0.36, 9.57)	L: 1.01 (0.59, 1.74) Q: 0.69 (0.43, 1.09)	L: 0.40 (0.19, 0.82) Q: 0.95 (0.58, 1.56)	L: 1.06 (0.94, 1.18) Q: 0.11 (0.01, 0.88)	L: 1.01 (0.86, 1.19) Q: 1.45 (0.29, 7.43)	L: 1.07 (0.98, 1.19) Q: 0.87 (0.33, 2.41)
Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)	n = 226 (70.0%)	0.48 (0.24, 0.96)	0.71 (0.09, 4.43)	L: 1.26 (0.71, 2.26) Q: 1.15 (0.71, 1.87)	L: 0.62 (0.29, 1.32) Q: 0.92 (0.55, 1.54)	L: 1.02 (0.91, 1.14) Q: 0.28 (0.04, 2.38)	L: 1.04 (0.88, 1.24) Q: 4.07 (0.76, 22.59)	L: 0.97 (0.88, 1.07) Q: 0.35 (0.13, 0.97)
Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)	n = 72 (22.3%)	1.92 (0.86, 4.42)	3.39 (0.39, 47.36)	L: 2.63 (1.36, 5.25) Q: 1.45 (0.81, 2.58)	L: 0.96 (0.41, 2.23) Q: 1.35 (0.74, 2.38)	L: 1.07 (0.94, 1.23) Q: 1.16 (0.09, 13.05)	L: 1.06 (0.87, 1.28) Q: 9.19 (1.40, 61.71)	L: 1.06 (0.95, 1.18) Q: 1.36 (0.44, 4.17)

Table S14 – Q4.7 **How are your non-barbell assistance or isolation exercises that target the hip extensors typically programmed (warm-up sets and deload weeks not included)?** For example, hip thrust, leg curl, back extensions, reverse hypers, Nordics, glute-ham raises, seated adductions, Copenhagen adductor drills etc. **If it varies, tick all boxes that apply to you.**

Q5.1

Q5.1 Is the frequency, volume, intensity and proximity-to-failure of your competition lifts affected by how close to competition you are (NOT including the last 1-2 weeks before competition, i.e., the taper)? If yes, how? Back squat, bench press and deadlift as performed in competition. Please tick all boxes that apply to you. Otherwise, leave blank.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Yes. I perform MORE weekly sessions and/or weekly sets of the competition lifts as I approach competition. (1)	n = 105 (26.2%)	0.85 (0.50, 1.46)	0.72 (0.21, 2.80)	L: 0.96 (0.61, 1.54) Q: 1.06 (0.72, 1.56)	L: 0.58 (0.31, 1.07) Q: 0.92 (0.60, 1.38)	L: 0.97 (0.87, 1.08) Q: 0.07 (0.01, 0.47)	L: 1.02 (0.86, 1.19) Q: 1.33 (0.32, 5.53)	L: 0.98 (0.90, 1.06) Q: 0.46 (0.18, 1.11)
Yes. I perform LESS weekly sessions and/or weekly sets of the competition lifts as I approach competition. (2)	n = 70 (17.5%)	1.88 (0.95, 3.89)	1.07 (0.23, 6.70)	L: 1.02 (0.58, 1.83) Q: 0.77 (0.48, 1.21)	L: 1.61 (0.78, 3.27) Q: 0.71 (0.44, 1.14)	L: 0.93 (0.84, 1.03) Q: 3.77 (0.63, 20.80)	L: 0.94 (0.77, 1.14) Q: 0.38 (0.07, 1.93)	L: 0.97 (0.88, 1.07) Q: 0.70 (0.24, 1.94)
Yes. I perform the competition lifts with HIGHER intensities (% of 1RM) as I approach competition. (15)	n = 299 (74.8%)	0.69 (0.38, 1.23)	0.55 (0.09, 2.40)	L: 1.15 (0.72, 1.83) Q: 0.88 (0.58, 1.32)	L: 1.13 (0.63, 2.07) Q: 0.82 (0.54, 1.25)	L: 0.96 (0.88, 1.05) Q: 0.11 (0.02, 0.50)	L: 0.84 (0.72, 0.98) Q: 0.32 (0.08, 1.28)	L: 1.04 (0.96, 1.13) Q: 0.68 (0.28, 1.67)
Yes. I perform the competition lifts with LOWER intensities (% of 1RM) as I approach competition. (16)	n = 16 (4.0%)	1.79 (0.48, 7.80)	4.92 (0.18, 546.02)	L: 1.46 (0.58, 3.94) Q: 2.98 (0.99, 10.47)	L: 0.33 (0.04, 1.66) Q: 0.77 (0.22, 2.28)	L: 1.23 (1.02, 1.51) Q: 27.05 (1.28, 452.06)	L: 0.96 (0.65, 1.34) Q: 1.57 (0.07, 32.78)	L: 1.00 (0.84, 1.19) Q: 2.42 (0.33, 17.06)
Yes. I perform the competition lifts with LOWER RPEs as I approach competition. (19)	n = 23 (5.8%)	1.90 (0.62, 7.04)	0.54 (0.07, 8.01)	L: 1.64 (0.63, 5.08) Q: 0.72 (0.32, 1.57)	L: 0.32 (0.04, 1.42) Q: 0.61 (0.18, 1.60)	L: 0.98 (0.81, 1.18) Q: 1.00 (0.04, 16.98)	L: 0.92 (0.67, 1.22) Q: 0.19 (0.01, 2.51)	L: 1.01 (0.87, 1.16) Q: 1.56 (0.33, 7.27)
Yes. I perform the competition lifts with HIGHER RPEs as I approach competition. (20)	n = 254 (63.5%)	1.09 (0.66, 1.78)	0.50 (0.11, 1.88)	L: 0.81 (0.53, 1.23) Q: 0.93 (0.65, 1.34)	L: 0.80 (0.47, 1.36) Q: 0.80 (0.55, 1.15)	L: 1.01 (0.93, 1.10) Q: 0.48 (0.11, 2.11)	L: 1.02 (0.88, 1.19) Q: 0.89 (0.25, 3.22)	L: 1.04 (0.97, 1.12) Q: 0.42 (0.19, 0.93)
I don't know. (25)	n = 4 (1.0%)	1.44 (0.08, 30.70)	0.59 (0.01, 88.12)	L: 16.82 (0.48, 3437.72) Q: 0.22 (0.01, 5.75)	L: 1.85 (0.09, 38.77) Q: 3.70 (0.35, 55.54)	L: 0.90 (0.55, 1.37) Q: 371.77 (0.81, 168489.93)	L: 1.52 (0.78, 3.04) Q: 13.85 (0.04, 5431.62)	L: 1.52 (0.91, 2.98) Q: 0.65 (0.00, 98.12)
No. How my competition lifts are programmed are not affected by how close I am to a competition. (27)	n = 43 (10.8%)	1.51 (0.68, 3.59)	1.25 (0.18, 16.26)	L: 0.92 (0.48, 1.80) Q: 0.90 (0.52, 1.57)	L: 0.64 (0.21, 1.67) Q: 0.66 (0.33, 1.26)	L: 1.08 (0.94, 1.25) Q: 0.72 (0.05, 7.22)	L: 0.93 (0.72, 1.16) Q: 0.42 (0.05, 3.11)	L: 0.91 (0.80, 1.03) Q: 0.76 (0.19, 2.82)

Table S15 – Q5.1 **Is the frequency, volume, intensity and proximity-to-failure of your competition lifts affected by how close to competition you are (NOT including the last 1-2 weeks before competition, i.e., the taper)? If yes, how?** Back squat, bench press and deadlift as performed in competition. **Please tick all boxes that apply to you. Otherwise, leave blank.**

Q5.2

Q5.2 Is the frequency, volume, intensity and proximity-to-failure of your close derivatives affected by how close to competition you are (NOT including the last 1-2 weeks before competition, i.e., the taper)? If yes, how? Close-derivative means any squat, bench press or deadlift pattern with a barbell that is not the same as your competition lifts, i.e. any manipulation in tempo, stance, grips use of specialty bar or equipment, pauses, etc. Please tick all boxes that apply to you. Otherwise, leave blank

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Yes. I perform MORE weekly sessions and/or weekly sets of the competition lifts as I approach competition. (1)	n = 23 (5.8%)	0.56 (0.21, 1.56)	9.74 (0.33, 1278.06)	L: 0.87 (0.36, 2.13) Q: 0.86 (0.40, 1.82)	L: 0.26 (0.04, 1.15) Q: 0.81 (0.23, 2.16)	L: 1.09 (0.89, 1.36) Q: 0.12 (0.00, 3.31)	L: 1.25 (0.97, 1.59) Q: 12.14 (1.21, 118.37)	L: 0.92 (0.79, 1.06) Q: 3.32 (0.61, 18.14)
Yes. I perform LESS weekly sessions and/or weekly sets of the competition lifts as I approach competition. (2)	n = 177 (44.2%)	1.67 (1.02, 2.77)	0.54 (0.14, 1.86)	L: 0.90 (0.59, 1.35) Q: 1.12 (0.78, 1.60)	L: 1.34 (0.79, 2.30) Q: 0.72 (0.50, 1.03)	L: 0.93 (0.85, 1.01) Q: 2.10 (0.49, 9.43)	L: 0.87 (0.75, 1.01) Q: 0.35 (0.10, 1.25)	L: 1.07 (0.99, 1.15) Q: 0.51 (0.23, 1.14)
Yes. I perform the competition lifts with HIGHER intensities (% of 1RM) as I approach competition. (15)	n = 114 (28.5%)	1.28 (0.75, 2.24)	0.47 (0.13, 1.70)	L: 0.88 (0.57, 1.39) Q: 1.03 (0.70, 1.51)	L: 0.59 (0.31, 1.10) Q: 0.83 (0.54, 1.25)	L: 1.02 (0.92, 1.12) Q: 0.43 (0.08, 2.15)	L: 1.02 (0.87, 1.19) Q: 0.83 (0.21, 3.19)	L: 1.07 (0.99, 1.16) Q: 0.69 (0.29, 1.58)
Yes. I perform the competition lifts with LOWER intensities (% of 1RM) as I approach competition. (16)	n = 69 (17.2%)	1.06 (0.56, 2.01)	2.77 (0.42, 37.85)	L: 0.68 (0.40, 1.17) Q: 0.87 (0.55, 1.36)	L: 0.92 (0.45, 1.86) Q: 0.80 (0.50, 1.30)	L: 0.90 (0.80, 1.01) Q: 0.46 (0.05, 3.30)	L: 0.89 (0.72, 1.08) Q: 0.42 (0.08, 2.17)	L: 0.95 (0.87, 1.04) Q: 0.99 (0.35, 2.68)
Yes. I perform the competition lifts with LOWER RPEs as I approach competition. (19)	n = 99 (24.8%)	1.49 (0.85, 2.71)	0.94 (0.24, 4.60)	L: 0.87 (0.55, 1.38) Q: 1.24 (0.83, 1.87)	L: 0.65 (0.34, 1.21) Q: 0.97 (0.62, 1.50)	L: 0.97 (0.87, 1.07) Q: 0.39 (0.06, 2.27)	L: 0.91 (0.77, 1.08) Q: 0.35 (0.08, 1.50)	L: 1.08 (1.00, 1.18) Q: 0.59 (0.24, 1.43)
Yes. I perform the competition lifts with HIGHER RPEs as I approach competition. (20)	n = 74 (18.5%)	1.44 (0.74, 2.89)	1.21 (0.25, 7.81)	L: 0.90 (0.52, 1.57) Q: 0.87 (0.55, 1.40)	L: 1.38 (0.66, 2.82) Q: 0.61 (0.37, 0.99)	L: 0.81 (0.71, 0.93) Q: 0.03 (0.00, 0.35)	L: 0.67 (0.50, 0.87) Q: 0.09 (0.01, 0.65)	L: 0.92 (0.81, 1.03) Q: 0.15 (0.04, 0.49)
I don't know. (25)	n = 15 (3.8%)	0.79 (0.21, 3.22)	0.37 (0.04, 5.91)	L: 0.73 (0.23, 2.26) Q: 0.87 (0.30, 2.51)	L: 0.99 (0.20, 3.98) Q: 2.02 (0.66, 6.22)	L: 1.20 (0.95, 1.56) Q: 2.56 (0.06, 80.11)	L: 0.99 (0.67, 1.40) Q: 2.67 (0.11, 56.72)	L: 0.93 (0.77, 1.10) Q: 19.11 (1.83, 221.10)
No. How my competition lifts are programmed are not affected by how close I am to a competition. (27)	n = 98 (24.5%)	0.93 (0.53, 1.67)	1.84 (0.41, 11.44)	L: 1.46 (0.90, 2.43) Q: 0.84 (0.55, 1.25)	L: 0.89 (0.47, 1.65) Q: 0.98 (0.63, 1.50)	L: 1.13 (1.02, 1.26) Q: 0.77 (0.13, 4.03)	L: 1.08 (0.92, 1.27) Q: 1.36 (0.34, 5.34)	L: 0.97 (0.89, 1.05) Q: 1.05 (0.43, 2.59)

Table S16 – Q5.2 **Is the frequency, volume, intensity and proximity-to-failure of your close derivatives affected by how close to competition you are (NOT including the last 1-2 weeks before competition, i.e., the taper)? If yes, how?** Close-derivative means any squat, bench press or deadlift pattern with a barbell that is not the same as your competition lifts, i.e. any manipulation in tempo, stance, grips use of specialty bar or equipment, pauses, etc. **Please tick all boxes that apply to you. Otherwise, leave blank**

Q5.3

Q5.3 Is the frequency, volume, intensity and proximity-to-failure of your non-barbell assistance and/or isolation exercises affected by how close to competition you are (NOT including the last 1-2 weeks before competition, i.e., the taper)? If yes, how? For example, any non-barbell movement targeting the quads, hip extensors, pecs, anterior shoulders and triceps. Please tick all boxes that apply to you. Otherwise, leave blank.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Yes. I perform MORE weekly sessions and/or weekly sets of the competition lifts as I approach competition. (1)	n = 15 (3.9%)	1.03 (0.30, 4.04)	5.06 (0.17, 614.56)	L: 0.77 (0.27, 2.28) Q: 1.03 (0.40, 2.75)	L: 0.28 (0.04, 1.37) Q: 0.84 (0.23, 2.48)	L: 0.79 (0.59, 1.01) Q: 0.61 (0.01, 26.03)	L: 1.04 (0.75, 1.39) Q: 3.77 (0.23, 59.25)	L: 0.94 (0.78, 1.10) Q: 2.95 (0.37, 22.92)
Yes. I perform LESS weekly sessions and/or weekly sets of the competition lifts as I approach competition. (2)	n = 173 (45.3%)	1.33 (0.81, 2.18)	0.93 (0.26, 3.49)	L: 1.01 (0.67, 1.54) Q: 0.82 (0.57, 1.17)	L: 1.49 (0.86, 2.57) Q: 0.88 (0.61, 1.28)	L: 1.01 (0.92, 1.10) Q: 0.63 (0.14, 2.79)	L: 0.98 (0.85, 1.13) Q: 1.07 (0.30, 3.66)	L: 1.03 (0.96, 1.11) Q: 0.81 (0.36, 1.81)
Yes. I perform the competition lifts with HIGHER intensities (% of 1RM) as I approach competition. (15)	n = 29 (7.6%)	1.20 (0.47, 3.27)	0.25 (0.04, 1.88)	L: 0.49 (0.20, 1.20) Q: 0.50 (0.24, 1.00)	L: 1.32 (0.50, 3.40) Q: 1.67 (0.83, 3.38)	L: 1.07 (0.92, 1.27) Q: 1.93 (0.11, 25.67)	L: 1.11 (0.86, 1.41) Q: 0.86 (0.08, 7.82)	L: 1.02 (0.89, 1.16) Q: 1.90 (0.39, 8.71)
Yes. I perform the competition lifts with LOWER intensities (% of 1RM) as I approach competition. (16)	n = 69 (18.1%)	1.95 (0.97, 4.00)	0.49 (0.12, 2.43)	L: 0.72 (0.42, 1.22) Q: 1.09 (0.69, 1.73)	L: 1.35 (0.64, 2.82) Q: 0.69 (0.42, 1.12)	L: 1.02 (0.91, 1.14) Q: 2.14 (0.31, 13.01)	L: 0.86 (0.70, 1.04) Q: 0.22 (0.04, 1.11)	L: 1.03 (0.94, 1.13) Q: 1.28 (0.46, 3.47)
Yes. I perform the competition lifts with LOWER RPEs as I approach competition. (19)	n = 33 (8.6%)	0.93 (0.39, 2.26)	0.17 (0.04, 0.91)	L: 1.03 (0.45, 2.51) Q: 0.49 (0.25, 0.95)	L: 1.42 (0.55, 3.59) Q: 0.99 (0.51, 1.89)	L: 0.88 (0.74, 1.03) Q: 1.29 (0.09, 14.77)	L: 0.85 (0.63, 1.11) Q: 0.29 (0.03, 2.94)	L: 1.10 (0.97, 1.24) Q: 1.86 (0.47, 7.14)
Yes. I perform the competition lifts with HIGHER RPEs as I approach competition. (20)	n = 87 (22.8%)	1.64 (0.88, 3.12)	0.66 (0.17, 3.15)	L: 0.83 (0.50, 1.40) Q: 0.83 (0.55, 1.26)	L: 0.91 (0.45, 1.78) Q: 0.79 (0.51, 1.22)	L: 0.91 (0.81, 1.01) Q: 0.64 (0.10, 3.71)	L: 0.87 (0.71, 1.04) Q: 0.36 (0.07, 1.65)	L: 1.03 (0.94, 1.12) Q: 0.59 (0.22, 1.51)
I don't know. (25)	n = 10 (2.6%)	0.88 (0.19, 4.64)	3.32 (0.08, 577.17)	L: 0.95 (0.23, 4.33) Q: 0.58 (0.16, 1.99)	L: 0.54 (0.06, 2.97) Q: 1.24 (0.30, 4.41)	L: 0.97 (0.76, 1.22) Q: 9.88 (0.19, 339.37)	L: 1.38 (0.97, 1.96) Q: 0.76 (0.02, 26.38)	L: 1.16 (0.91, 1.49) Q: 0.45 (0.03, 5.52)
No. How my competition lifts are programmed are not affected by how close I am to a competition. (27)	n = 138 (36.1%)	0.91 (0.54, 1.53)	1.76 (0.46, 8.31)	L: 1.01 (0.66, 1.56) Q: 1.33 (0.92, 1.94)	L: 0.71 (0.40, 1.25) Q: 1.11 (0.76, 1.62)	L: 1.07 (0.98, 1.17) Q: 0.34 (0.06, 1.75)	L: 1.03 (0.89, 1.20) Q: 1.20 (0.33, 4.32)	L: 0.94 (0.87, 1.02) Q: 0.63 (0.26, 1.51)

Table S17 – Q5.3 **Is the frequency, volume, intensity and proximity-to-failure of your non-barbell assistance and/or isolation exercises affected by how close to competition you are (NOT including the last 1-2 weeks before competition, i.e., the taper)? If yes, how?** For example, any non-barbell movement targeting the quads, hip extensors, pecs, anterior shoulders and triceps. **Please tick all boxes that apply to you. Otherwise, leave blank.**

Q5.4

Q5.4 Is the specific choice of exercises for your squat affected by how close you are to competition (NOT including the competition squat)?

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Yes. I perform some squat-related exercises more or less as I approach competition. (1)	n = 179 (45.7%)	1.43 (0.88, 2.34)	0.40 (0.10, 1.41)	L: 1.30 (0.87, 1.96) Q: 1.17 (0.82, 1.66)	L: 0.82 (0.48, 1.41) Q: 0.92 (0.64, 1.32)	L: 0.96 (0.88, 1.05) Q: 0.86 (0.20, 3.72)	L: 0.98 (0.85, 1.13) Q: 1.16 (0.34, 3.99)	L: 0.98 (0.91, 1.05) Q: 0.61 (0.27, 1.36)
No. The specific type of squat-related exercises is not affected by how close I am to a competition. (2)	n = 192 (49.0%)	0.97 (0.60, 1.56)	2.82 (0.75, 12.71)	L: 0.86 (0.58, 1.29) Q: 0.80 (0.57, 1.14)	L: 1.21 (0.71, 2.07) Q: 0.95 (0.66, 1.37)	L: 1.03 (0.95, 1.12) Q: 0.66 (0.15, 2.91)	L: 1.01 (0.87, 1.16) Q: 0.75 (0.22, 2.61)	L: 1.05 (0.98, 1.12) Q: 1.72 (0.79, 3.74)
I don't know. (3)	n = 21 (5.4%)	0.25 (0.09, 0.68)	1.15 (0.14, 17.70)	L: 0.62 (0.26, 1.45) Q: 1.22 (0.54, 2.85)	L: 0.98 (0.34, 2.69) Q: 1.98 (0.88, 4.47)	L: 1.03 (0.88, 1.20) Q: 4.80 (0.34, 53.45)	L: 1.05 (0.76, 1.40) Q: 1.51 (0.11, 19.83)	L: 0.85 (0.67, 1.03) Q: 0.48 (0.05, 3.89)

Table S18 – Q5.4 **Is the specific choice of exercises for your squat affected by how close you are to competition (NOT including the competition squat)?**

Q5.5

Q5.5 You answered that the inclusion of some exercises related to your squat is affected by competition schedule. Which specific exercises do you typically perform as you get closer to competition, relative to further away from competition? Please tick all boxes that apply to you. If non apply, leave blank.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Alternative bar placements (i.e. high bar or front squat, if low bar is your competition variant) (1)	n = 31 (20.1%)	1.74 (0.44, 7.63)	0.50 (0.03, 9.99)	L: 1.05 (0.40, 2.91) Q: 1.12 (0.46, 2.75)	L: 0.52 (0.08, 2.82) Q: 0.54 (0.17, 1.50)	L: 1.05 (0.79, 1.42) Q: 0.02 (0.00, 2.34)	L: 0.97 (0.73, 1.30) Q: 1.71 (0.19, 15.31)	L: 1.14 (0.86, 1.53) Q: 0.24 (0.02, 2.40)
Alternative stances (i.e. purposely squatting with a wider and/or narrower stance than your competition lift) (2)	n = 3 (1.9%)	0.20 (0.01, 5.49)	0.29 (0.00, 101.00)	L: 1.18 (0.11, 17.64) Q: 35.70 (0.55, 16512.18)	L: 0.08 (0.00, 11.26) Q: 0.21 (0.00, 5.15)	L: 1.08 (0.48, 2.40) Q: 0.00 (0.00, 8.79)	L: 0.65 (0.22, 1.63) Q: 45.79 (0.28, 11094.61)	L: 1.53 (0.58, 5.13) Q: 0.06 (0.00, 20.65)
Use of specialty bars (i.e. safety-bar, cambered bar etc.) (3)	n = 9 (5.8%)	1.17 (0.11, 16.94)	0.90 (0.02, 137.93)	L: 16.54 (0.57, 2944.81) Q: 0.08 (0.00, 0.72)	L: 1.20 (0.00, 630.22) Q: 0.01 (0.00, 0.41)	L: 1.09 (0.68, 1.75) Q: 0.18 (0.00, 94.71)	L: 1.23 (0.80, 1.97) Q: 0.48 (0.01, 17.76)	L: 0.77 (0.48, 1.20) Q: 2.41 (0.05, 82.40)
Slow(er) eccentric tempos (i.e. performing the squat with a purposely slower than normal lowering tempo) (4)	n = 40 (26.0%)	1.99 (0.57, 7.71)	1.33 (0.09, 30.31)	L: 1.16 (0.44, 3.14) Q: 0.97 (0.41, 2.33)	L: 0.45 (0.10, 1.85) Q: 1.54 (0.59, 3.92)	L: 0.70 (0.55, 0.89) Q: 7.06 (0.15, 301.52)	L: 0.98 (0.75, 1.26) Q: 0.12 (0.01, 0.94)	L: 0.99 (0.74, 1.32) Q: 0.67 (0.06, 6.81)
Slow(er) concentric tempos (i.e. performing the squat with a purposely slower than normal lifting tempo) (5)	n = 5 (3.2%)	13.82 (0.38, 1507.86)	0.06 (0.00, 17.41)	L: 0.76 (0.10, 5.93) Q: 1.77 (0.20, 24.26)	L: 0.08 (0.00, 4.96) Q: 1.11 (0.03, 31.61)	L: 0.72 (0.40, 1.23) Q: 0.74 (0.00, 692.14)	L: 0.34 (0.06, 1.16) Q: 0.52 (0.00, 122.46)	L: 1.10 (0.18, 6.35) Q: 0.02 (0.00, 13.34)
Pause squats (i.e. squats with a pause in the bottom position) (6)	n = 99 (64.3%)	3.69 (1.25, 11.17)	0.56 (0.05, 5.29)	L: 0.48 (0.18, 1.15) Q: 1.62 (0.74, 3.57)	L: 0.66 (0.19, 2.30) Q: 1.07 (0.48, 2.43)	L: 0.93 (0.76, 1.14) Q: 7.10 (0.29, 197.94)	L: 1.17 (0.93, 1.49) Q: 0.70 (0.12, 4.13)	L: 0.95 (0.74, 1.23) Q: 1.74 (0.25, 12.61)
Pin squats (i.e. pause squats where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed) (7)	n = 19 (12.3%)	1.55 (0.28, 10.94)	8.03 (0.19, 1103.21)	L: 0.98 (0.26, 3.95) Q: 0.65 (0.21, 1.98)	L: 0.43 (0.06, 2.69) Q: 1.60 (0.46, 5.37)	L: 1.34 (0.89, 2.07) Q: 0.00 (0.00, 0.10)	L: 1.13 (0.76, 1.70) Q: 0.17 (0.01, 2.74)	L: 1.13 (0.80, 1.66) Q: 2.61 (0.16, 36.86)
Partial range of motion squats (i.e. squats where depth is purposely reduced to less than competition depth) (8)	n = 3 (1.9%)	1.52 (0.01, 274.76)	0.52 (0.00, 128.09)	L: 6.89 (0.16, 1208.69) Q: 0.25 (0.01, 7.71)	L: 0.11 (0.00, 119.79) Q: 0.13 (0.00, 7.97)	L: 1.24 (0.50, 3.10) Q: 0.12 (0.00, 532.72)	L: 1.69 (0.36, 12.24) Q: 7.48 (0.00, 19503.21)	L: 2.32 (0.88, 8.88) Q: 0.10 (0.00, 54.35)
Box squats (i.e. squat performed to a box) (9)	n = 5 (3.2%)	1.09 (0.05, 28.36)	0.37 (0.00, 65.63)	L: 1.03 (0.10, 15.48) Q: 67.08 (1.71, 19710.18)	L: 3.39 (0.00, 2317.67) Q: 0.02 (0.00, 0.77)	L: 0.63 (0.28, 1.32) Q: 0.01 (0.00, 15.24)	L: 1.17 (0.72, 1.92) Q: 73.82 (0.82, 10459.06)	L: 0.67 (0.36, 1.15) Q: 0.18 (0.00, 34.18)
Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise) (10)	n = 13 (8.4%)	8.27 (0.62, 200.04)	0.01 (0.00, 0.10)	L: 30.19 (0.82, 7138.91) Q: 0.05 (0.00, 0.55)	L: 5.18 (0.56, 63.40) Q: 0.76 (0.15, 3.42)	L: 1.21 (0.80, 1.89) Q: 0.37 (0.00, 187.47)	L: 0.68 (0.39, 1.12) Q: 1.80 (0.04, 71.22)	L: 1.50 (0.91, 2.71) Q: 1.20 (0.03, 34.12)
Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (11)	n = 3 (1.9%)	0.11 (0.00, 9.42)	0.18 (0.00, 73.42)	L: 26.86 (0.36, 6417.85) Q: 0.39 (0.01, 12.30)	L: 0.97 (0.00, 822.68) Q: 0.89 (0.01, 45.22)	L: 0.90 (0.33, 2.40) Q: 0.04 (0.00, 247.26)	L: 4.42 (0.98, 34.11) Q: 10.97 (0.00, 33477.19)	L: 1.10 (0.50, 2.79) Q: 0.01 (0.00, 2.64)
Heel elevation (i.e. using slant boards or plates to elevate the heels) (12)	n = 4 (2.6%)	4.61 (0.11, 577.40)	0.46 (0.01, 77.06)	L: 1.08 (0.13, 12.03) Q: 26.23 (0.52, 11572.04)	L: 0.11 (0.00, 11.07) Q: 0.20 (0.01, 3.57)	L: 1.00 (0.52, 1.92) Q: 0.06 (0.00, 97.25)	L: 0.53 (0.15, 1.47) Q: 1.07 (0.00, 195.38)	L: 1.97 (0.81, 6.52) Q: 4.38 (0.02, 914.73)
Non-barbell squats (i.e. belt squat, smith-rack squat, hack squat, leg press, goblet squats etc.) (13)	n = 26 (16.9%)	1.64 (0.39, 7.91)	0.29 (0.02, 4.48)	L: 0.64 (0.22, 1.94) Q: 0.66 (0.26, 1.71)	L: 0.42 (0.04, 2.86) Q: 0.35 (0.09, 1.18)	L: 1.21 (0.94, 1.56) Q: 22.00 (0.41, 1105.50)	L: 0.94 (0.69, 1.28) Q: 0.25 (0.02, 2.42)	L: 1.03 (0.76, 1.43) Q: 3.14 (0.26, 35.66)
Unilateral variants (i.e. variations of lunges, split squats and step-ups) (14)	n = 26 (16.9%)	0.25 (0.07, 0.84)	1.56 (0.10, 35.20)	L: 0.78 (0.29, 2.09) Q: 1.39 (0.55, 3.58)	L: 0.37 (0.06, 1.97) Q: 0.73 (0.22, 2.18)	L: 1.11 (0.85, 1.45) Q: 0.58 (0.01, 27.56)	L: 1.09 (0.79, 1.51) Q: 0.33 (0.03, 3.24)	L: 1.08 (0.79, 1.48) Q: 1.54 (0.13, 17.04)
Isolation exercises for the knee extensors (i.e. leg extensions, reverse sanding sissy squats etc.) (15)	n = 39 (25.3%)	0.47 (0.15, 1.48)	1.28 (0.10, 27.58)	L: 1.30 (0.52, 3.40) Q: 0.76 (0.33, 1.74)	L: 1.69 (0.44, 6.41) Q: 1.44 (0.60, 3.44)	L: 1.03 (0.82, 1.30) Q: 0.12 (0.00, 4.65)	L: 0.84 (0.63, 1.09) Q: 0.82 (0.12, 5.41)	L: 1.13 (0.85, 1.54) Q: 0.25 (0.03, 2.15)
Isolation exercises for the hip extensors (i.e. hip thrusts, back extensions, seated hip adductions, Copenhagen adductor drills etc.) (16)	n = 33 (21.4%)	0.24 (0.07, 0.76)	0.42 (0.04, 5.43)	L: 1.49 (0.53, 4.41) Q: 0.84 (0.33, 2.07)	L: 0.83 (0.20, 3.33) Q: 2.48 (0.97, 6.30)	L: 1.05 (0.83, 1.34) Q: 0.23 (0.00, 8.81)	L: 1.12 (0.84, 1.52) Q: 0.11 (0.01, 1.01)	L: 0.93 (0.69, 1.26) Q: 1.49 (0.14, 15.06)

Table S19 – Q5.5 **You answered that the inclusion of some exercises related to your squat is affected by competition schedule. Which specific exercises do you typically perform as you get closer to competition, relative to further away from competition? Please tick all boxes that apply to you. If non apply, leave blank.**

Q5.6

Q5.6 Which specific exercises do you typically perform further away from competition, relative to when you are close to a competition? Please tick all boxes that apply to you. If non apply, leave blank.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Alternative bar placements (i.e. high bar or front squat, if low bar is your competition variant) (1)	n = 85 (51.5%)	1.11 (0.44, 2.79)	0.56 (0.09, 3.62)	L: 0.54 (0.24, 1.18) Q: 1.04 (0.53, 2.05)	L: 1.51 (0.54, 4.22) Q: 1.69 (0.87, 3.37)	L: 1.06 (0.90, 1.24) Q: 0.75 (0.04, 12.57)	L: 0.88 (0.72, 1.07) Q: 0.12 (0.02, 0.69)	L: 1.10 (0.94, 1.30) Q: 2.27 (0.52, 9.97)
Alternative stances (i.e. purposely squatting with a wider and/or narrower stance than your competition lift) (2)	n = 20 (12.1%)	1.07 (0.27, 4.77)	0.49 (0.04, 9.02)	L: 3.55 (0.75, 28.80) Q: 0.31 (0.08, 0.97)	L: 0.57 (0.12, 2.44) Q: 0.67 (0.22, 1.84)	L: 0.96 (0.72, 1.29) Q: 0.01 (0.00, 2.09)	L: 0.99 (0.72, 1.32) Q: 0.88 (0.07, 10.30)	L: 1.02 (0.80, 1.27) Q: 1.05 (0.12, 8.28)
Use of specialty bars (i.e. safety-bar, cambered bar etc.) (3)	n = 60 (36.4%)	1.03 (0.39, 2.73)	0.21 (0.02, 1.50)	L: 1.49 (0.66, 3.59) Q: 0.75 (0.37, 1.52)	L: 1.34 (0.47, 3.81) Q: 1.36 (0.68, 2.73)	L: 1.10 (0.93, 1.30) Q: 3.52 (0.18, 67.08)	L: 0.95 (0.77, 1.17) Q: 2.39 (0.40, 14.63)	L: 0.82 (0.67, 0.98) Q: 0.33 (0.06, 1.73)
Slow(er) eccentric tempos (i.e. performing the squat with a purposely slower than normal lowering tempo) (4)	n = 53 (32.1%)	0.73 (0.27, 1.98)	0.78 (0.11, 5.66)	L: 2.32 (0.93, 6.16) Q: 0.60 (0.28, 1.26)	L: 1.34 (0.47, 3.86) Q: 0.94 (0.45, 1.94)	L: 1.25 (1.04, 1.53) Q: 0.49 (0.02, 12.71)	L: 0.91 (0.71, 1.14) Q: 0.52 (0.07, 3.54)	L: 0.92 (0.76, 1.10) Q: 0.45 (0.08, 2.30)
Slow(er) concentric tempos (i.e. performing the squat with a purposely slower than normal lifting tempo) (5)	n = 18 (10.9%)	0.60 (0.16, 2.50)	0.34 (0.04, 3.46)	L: 2.04 (0.56, 9.35) Q: 2.29 (0.62, 9.14)	L: 3.12 (0.76, 14.31) Q: 1.45 (0.51, 3.99)	L: 1.02 (0.76, 1.39) Q: 0.01 (0.00, 1.13)	L: 0.76 (0.45, 1.14) Q: 0.10 (0.00, 2.17)	L: 0.94 (0.69, 1.23) Q: 0.84 (0.05, 10.48)
Pause squats (i.e. squats with a pause in the bottom position) (6)	n = 48 (29.1%)	0.24 (0.08, 0.64)	1.02 (0.14, 7.27)	L: 1.31 (0.55, 3.22) Q: 1.31 (0.61, 2.82)	L: 1.77 (0.59, 5.41) Q: 1.05 (0.50, 2.18)	L: 1.05 (0.88, 1.26) Q: 1.75 (0.09, 33.42)	L: 1.05 (0.83, 1.30) Q: 0.51 (0.07, 3.39)	L: 0.84 (0.66, 1.04) Q: 0.13 (0.02, 0.90)
Pin squats (i.e. pause squats where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed) (7)	n = 26 (15.8%)	0.39 (0.13, 1.23)	1.23 (0.12, 22.74)	L: 2.12 (0.72, 7.04) Q: 0.65 (0.26, 1.60)	L: 0.55 (0.14, 2.06) Q: 0.81 (0.32, 1.95)	L: 1.00 (0.80, 1.25) Q: 0.19 (0.00, 7.39)	L: 1.03 (0.78, 1.32) Q: 2.77 (0.30, 25.90)	L: 1.07 (0.87, 1.31) Q: 0.38 (0.05, 2.53)
Partial range of motion squats (i.e. squats where depth is purposely reduced to less than competition depth) (8)	n = 5 (3.0%)	1.33 (0.11, 22.96)	0.82 (0.02, 114.63)	L: 0.81 (0.10, 8.16) Q: 0.86 (0.12, 6.30)	L: 0.13 (0.00, 6.14) Q: 0.12 (0.00, 1.55)	L: 1.10 (0.65, 1.97) Q: 0.01 (0.00, 8.50)	L: 0.49 (0.17, 1.07) Q: 0.02 (0.00, 2.88)	L: 1.09 (0.70, 1.58) Q: 3.38 (0.07, 116.11)
Box squats (i.e. squat performed to a box) (9)	n = 16 (9.7%)	2.26 (0.38, 17.47)	0.05 (0.00, 0.52)	L: 32.73 (1.05, 7261.70) Q: 0.08 (0.00, 0.72)	L: 6.20 (1.02, 54.34) Q: 0.99 (0.24, 3.45)	L: 0.85 (0.60, 1.21) Q: 0.03 (0.00, 5.74)	L: 0.80 (0.48, 1.22) Q: 1.06 (0.03, 28.46)	L: 0.94 (0.63, 1.31) Q: 0.05 (0.00, 1.22)
Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise) (10)	n = 15 (9.1%)	0.70 (0.16, 3.32)	0.66 (0.06, 12.17)	L: 1.04 (0.27, 4.97) Q: 0.89 (0.27, 2.92)	L: 2.52 (0.49, 14.51) Q: 0.82 (0.26, 2.41)	L: 0.89 (0.63, 1.25) Q: 0.00 (0.00, 0.62)	L: 0.90 (0.60, 1.27) Q: 0.37 (0.02, 6.81)	L: 0.92 (0.63, 1.25) Q: 0.08 (0.00, 1.37)
Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (11)	n = 2 (1.2%)	0.12 (0.00, 3.99)	0.26 (0.00, 63.30)	L: 7.00 (0.10, 2242.08) Q: 0.27 (0.00, 9.70)	L: 0.10 (0.00, 9.02) Q: 0.89 (0.02, 34.05)	L: 1.20 (0.53, 3.00) Q: 0.01 (0.00, 33.51)	L: 0.85 (0.26, 2.25) Q: 0.01 (0.00, 5.15)	L: 0.73 (0.20, 1.99) Q: 0.00 (0.00, 4.79)
Heel elevation (i.e. using slant boards or plates to elevate the heels) (12)	n = 16 (9.7%)	0.75 (0.18, 3.39)	0.20 (0.02, 2.21)	L: 0.76 (0.21, 3.00) Q: 0.49 (0.16, 1.48)	L: 1.69 (0.31, 10.10) Q: 0.68 (0.20, 2.07)	L: 0.90 (0.71, 1.14) Q: 6.02 (0.12, 262.40)	L: 0.85 (0.55, 1.20) Q: 1.18 (0.05, 21.82)	L: 1.10 (0.84, 1.40) Q: 0.86 (0.07, 8.90)
Non-barbell squats (i.e. belt squat, smith-rack squat, hack squat, leg press, goblet squats etc.) (13)	n = 75 (45.5%)	0.83 (0.33, 2.10)	2.53 (0.37, 20.64)	L: 1.32 (0.59, 3.01) Q: 0.50 (0.26, 0.96)	L: 1.29 (0.47, 3.58) Q: 1.36 (0.70, 2.67)	L: 0.94 (0.80, 1.10) Q: 0.40 (0.02, 6.63)	L: 1.01 (0.83, 1.23) Q: 1.72 (0.31, 9.81)	L: 0.92 (0.78, 1.07) Q: 1.16 (0.26, 5.08)
Unilateral variants (i.e. variations of lunges, split squats and step-ups) (14)	n = 71 (43.0%)	1.84 (0.71, 4.86)	1.02 (0.17, 6.77)	L: 2.21 (0.99, 5.18) Q: 0.75 (0.37, 1.47)	L: 1.33 (0.49, 3.67) Q: 1.05 (0.54, 2.06)	L: 0.92 (0.78, 1.07) Q: 5.40 (0.32, 95.38)	L: 0.91 (0.74, 1.11) Q: 0.72 (0.12, 4.08)	L: 0.98 (0.83, 1.14) Q: 1.50 (0.33, 6.55)
Isolation exercises for the knee extensors (i.e. leg extensions, reverse sanding sissy squats etc.) (15)	n = 65 (39.4%)	1.02 (0.40, 2.60)	4.64 (0.52, 74.86)	L: 1.12 (0.50, 2.57) Q: 0.53 (0.27, 1.02)	L: 0.68 (0.24, 1.88) Q: 0.77 (0.38, 1.51)	L: 0.96 (0.82, 1.13) Q: 1.62 (0.09, 28.31)	L: 0.95 (0.78, 1.16) Q: 1.54 (0.26, 9.07)	L: 1.02 (0.87, 1.20) Q: 1.21 (0.27, 5.19)
Isolation exercises for the hip extensors (i.e. hip thrusts, back extensions, seated hip adductions, Copenhagen adductor drills etc.) (16)	n = 56 (33.9%)	0.74 (0.28, 1.99)	4.19 (0.41, 65.02)	L: 0.60 (0.25, 1.45) Q: 0.34 (0.17, 0.70)	L: 0.49 (0.15, 1.48) Q: 0.78 (0.36, 1.63)	L: 0.80 (0.67, 0.95) Q: 2.05 (0.08, 46.17)	L: 0.88 (0.71, 1.09) Q: 2.27 (0.35, 14.65)	L: 0.94 (0.78, 1.12) Q: 0.40 (0.07, 2.00)

Table S20 – Q5.6 **Which specific exercises do you typically perform further away from competition, relative to when you are close to a competition? Please tick all boxes that apply to you. If non apply, leave blank.**

Q5.7

Q5.7 Is the specific choice of exercises for your bench press affected by how close you are to competition (NOT including the competition bench press)?

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Yes. I perform some bench press-related exercises more or less as I approach competition. (1)	n = 171 (43.2%)	1.14 (0.71, 1.85)	0.72 (0.21, 2.43)	L: 1.07 (0.71, 1.61) Q: 0.89 (0.63, 1.26)	L: 0.87 (0.51, 1.47) Q: 1.05 (0.73, 1.50)	L: 0.95 (0.87, 1.03) Q: 0.64 (0.15, 2.61)	L: 1.04 (0.90, 1.20) Q: 1.75 (0.50, 5.88)	L: 1.00 (0.93, 1.07) Q: 0.65 (0.29, 1.44)
No. The specific type of bench press-related exercises is not affected by how close I am to a competition. (2)	n = 206 (52.0%)	1.16 (0.72, 1.87)	1.51 (0.44, 5.38)	L: 0.98 (0.66, 1.46) Q: 1.10 (0.78, 1.55)	L: 1.28 (0.76, 2.17) Q: 0.89 (0.62, 1.27)	L: 1.06 (0.98, 1.16) Q: 1.15 (0.27, 4.86)	L: 0.95 (0.82, 1.09) Q: 0.49 (0.14, 1.64)	L: 1.02 (0.95, 1.10) Q: 1.60 (0.73, 3.52)
I don't know. (3)	n = 19 (4.8%)	0.26 (0.09, 0.74)	1.03 (0.13, 14.73)	L: 0.81 (0.32, 1.99) Q: 1.09 (0.48, 2.56)	L: 0.58 (0.16, 1.80) Q: 1.48 (0.62, 3.48)	L: 0.97 (0.81, 1.15) Q: 2.04 (0.11, 27.72)	L: 1.00 (0.71, 1.35) Q: 1.71 (0.10, 23.44)	L: 0.88 (0.70, 1.06) Q: 0.55 (0.06, 4.21)

Table S21 – Q5.7 **Is the specific choice of exercises for your bench press affected by how close you are to competition (NOT including the competition bench press)?**

Q5.8

Q5.8 You answered that the inclusion of some exercises related to your bench press is affected by competition schedule. Which specific exercises do you typically perform as you get closer to competition, relative to further away from competition? Please tick all boxes that apply to you. If non apply, leave blank.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Alternative grip widths (i.e. purposely gripping the bar closer or wider than your competition grip width) (1)	n = 32 (20.6%)	1.86 (0.49, 7.51)	0.39 (0.02, 8.55)	L: 1.09 (0.36, 3.40) Q: 1.40 (0.56, 3.60)	L: 0.19 (0.02, 1.24) Q: 0.32 (0.08, 1.02)	L: 1.19 (0.91, 1.60) Q: 0.02 (0.00, 1.84)	L: 0.43 (0.23, 0.73) Q: 0.00 (0.00, 0.29)	L: 0.97 (0.75, 1.22) Q: 0.29 (0.03, 2.62)
Alternative pressing angles (i.e. purposely pressing at different angles like incline and decline) (2)	n = 10 (6.5%)	3.16 (0.36, 43.34)	0.97 (0.02, 167.80)	L: 3.16 (0.44, 31.98) Q: 0.59 (0.13, 2.50)	L: 0.06 (0.00, 1.94) Q: 0.16 (0.01, 1.49)	L: 1.16 (0.75, 1.87) Q: 0.02 (0.00, 10.04)	L: 0.72 (0.36, 1.34) Q: 0.02 (0.00, 5.93)	L: 0.78 (0.47, 1.18) Q: 0.05 (0.00, 1.99)
Use of specialty bars (i.e. football bar, swiss bar, cambered bar etc.) (3)	n = 2 (1.3%)	7.95 (0.11, 1348.62)	0.07 (0.00, 17.69)	L: 17.86 (0.28, 4735.21) Q: 13.89 (0.12, 5558.58)	L: 0.41 (0.00, 248.95) Q: 0.06 (0.00, 2.93)	L: 1.69 (0.67, 4.98) Q: 0.31 (0.00, 1167.61)	L: 0.84 (0.21, 2.83) Q: 4.31 (0.00, 16952.95)	L: 0.42 (0.08, 1.24) Q: 0.04 (0.00, 35.38)
Slow(er) eccentric tempos (i.e. performing the bench press with a purposely slower than normal lowering tempo) (4)	n = 45 (29.0%)	0.78 (0.25, 2.44)	16.28 (0.36, 2952.63)	L: 0.92 (0.33, 2.56) Q: 0.90 (0.40, 2.10)	L: 0.25 (0.05, 1.07) Q: 0.62 (0.22, 1.58)	L: 1.02 (0.83, 1.26) Q: 2.79 (0.08, 94.73)	L: 1.15 (0.84, 1.59) Q: 0.69 (0.04, 13.45)	L: 0.83 (0.65, 1.04) Q: 0.42 (0.05, 3.33)
Slow(er) concentric tempos (i.e. performing the bench press with a purposely slower than normal lifting tempo) (5)	n = 4 (2.6%)	7.54 (0.18, 917.25)	0.26 (0.00, 53.78)	L: 2.29 (0.26, 27.29) Q: 54.78 (1.17, 23152.86)	L: 0.15 (0.00, 11.30) Q: 0.96 (0.03, 21.60)	L: 0.99 (0.52, 2.04) Q: 0.01 (0.00, 19.96)	L: 1.27 (0.54, 2.96) Q: 0.05 (0.00, 55.23)	L: 0.93 (0.43, 1.96) Q: 0.00 (0.00, 1.86)
Touch and go bench press (i.e. bench press without a competition pause on the chest) (6)	n = 18 (11.6%)	1.56 (0.32, 8.73)	0.11 (0.01, 3.03)	L: 1.02 (0.28, 3.92) Q: 1.59 (0.52, 5.16)	L: 0.18 (0.01, 1.32) Q: 0.56 (0.13, 1.94)	L: 0.78 (0.57, 1.03) Q: 1.73 (0.02, 135.38)	L: 1.04 (0.67, 1.56) Q: 2.05 (0.05, 74.08)	L: 0.89 (0.63, 1.18) Q: 1.62 (0.07, 27.14)
Long-paused bench press (i.e. bench press with a longer than normal pause on the chest) (7)	n = 127 (81.9%)	5.32 (1.53, 18.81)	1.45 (0.11, 16.27)	L: 0.28 (0.08, 0.90) Q: 0.33 (0.11, 0.97)	L: 0.60 (0.14, 2.59) Q: 1.25 (0.49, 3.31)	L: 0.85 (0.66, 1.08) Q: 6.64 (0.12, 481.91)	L: 1.28 (0.82, 2.14) Q: 4.52 (0.13, 218.14)	L: 0.82 (0.66, 1.02) Q: 0.07 (0.01, 0.59)
Pin press (i.e. bench press where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed) (8)	n = 13 (8.4%)	2.18 (0.37, 16.59)	4.07 (0.08, 570.44)	L: 3.32 (0.56, 30.23) Q: 0.95 (0.21, 3.80)	L: 0.97 (0.14, 6.12) Q: 1.11 (0.31, 3.66)	L: 0.93 (0.64, 1.35) Q: 0.02 (0.00, 4.96)	L: 0.91 (0.49, 1.57) Q: 0.94 (0.01, 91.07)	L: 0.79 (0.51, 1.14) Q: 0.32 (0.01, 7.58)
Spoto press (i.e. bench press where depth is purposely reduced to less than competition depth without making contact with the chest) (9)	n = 16 (10.3%)	0.73 (0.14, 4.31)	0.04 (0.00, 0.78)	L: 21.61 (0.59, 5675.45) Q: 0.02 (0.00, 0.21)	L: 0.27 (0.03, 1.98) Q: 0.59 (0.16, 2.01)	L: 0.81 (0.58, 1.13) Q: 9.42 (0.10, 985.54)	L: 0.94 (0.54, 1.52) Q: 11.75 (0.14, 805.42)	L: 0.75 (0.46, 1.09) Q: 0.12 (0.00, 2.61)
Bench press without leg drive (i.e. Larsen press or feet-up bench press) (10)	n = 22 (14.2%)	1.58 (0.36, 8.05)	0.27 (0.02, 6.79)	L: 1.57 (0.40, 6.61) Q: 0.60 (0.21, 1.68)	L: 0.46 (0.07, 2.33) Q: 0.97 (0.30, 2.95)	L: 1.25 (0.89, 1.79) Q: 0.00 (0.00, 0.87)	L: 0.58 (0.32, 1.00) Q: 0.02 (0.00, 1.91)	L: 0.94 (0.72, 1.19) Q: 1.76 (0.16, 17.71)
Accommodating resistance (i.e. using a slingshot, and/or band/chain resistance to change the resistance curve of the exercise) (11)	n = 13 (8.4%)	4.30 (0.49, 50.56)	0.01 (0.00, 0.11)	L: 88.69 (2.71, 22217.97) Q: 0.11 (0.00, 1.09)	L: 63.12 (1.37, 17756.29) Q: 0.14 (0.00, 1.43)	L: 2.23 (1.28, 4.14) Q: 0.00 (0.00, 2.47)	L: 1.93 (0.99, 3.74) Q: 1429.43 (4.57, 541147.52)	L: 1.39 (0.96, 2.01) Q: 0.26 (0.01, 6.98)
Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (12)	n = 1 (0.6%)	0.00 (0.00, 1.91)	0.00 (0.00, 5.87)	L: 1.98 (0.00, 4603.72) Q: 0.14 (0.00, 57.48)	L: 5.21 (0.00, 16762.14) Q: 1.71 (0.00, 1888.54)	L: 8.17 (1.51, 74.08) Q: 1.23 (0.00, 14075.03)	L: 27.04 (2.42, 806.98) Q: 0.90 (0.00, 11691.44)	L: 0.84 (0.04, 11.77) Q: 0.79 (0.00, 8855.26)
Board press (i.e. bench press to a board or box, reducing range of motion) (13)	n = 20 (12.9%)	1.42 (0.28, 8.21)	0.01 (0.00, 0.11)	L: 3.85 (0.91, 19.33) Q: 1.22 (0.34, 4.20)	L: 0.32 (0.04, 1.92) Q: 0.96 (0.31, 2.96)	L: 0.82 (0.61, 1.08) Q: 2.38 (0.03, 152.62)	L: 0.82 (0.46, 1.36) Q: 0.92 (0.01, 53.52)	L: 1.38 (1.10, 1.73) Q: 13.64 (1.13, 166.04)
Non-barbell pressing (i.e. smith-rack pressing, dumbbell pressing at various angles, machine chest press etc.) (14)	n = 20 (12.9%)	0.67 (0.16, 2.80)	0.32 (0.02, 7.93)	L: 0.92 (0.26, 3.24) Q: 1.59 (0.57, 4.62)	L: 0.39 (0.06, 2.11) Q: 1.06 (0.34, 3.11)	L: 0.92 (0.69, 1.23) Q: 0.16 (0.00, 12.66)	L: 0.76 (0.45, 1.21) Q: 0.16 (0.00, 9.06)	L: 0.95 (0.71, 1.23) Q: 1.27 (0.09, 15.64)
Bodyweight pressing (i.e. variations of dips and push ups) (15)	n = 14 (9.0%)	0.95 (0.18, 5.53)	0.44 (0.02, 12.49)	L: 2.75 (0.62, 14.09) Q: 2.78 (0.70, 11.94)	L: 1.08 (0.18, 6.18) Q: 1.71 (0.51, 5.59)	L: 1.10 (0.79, 1.56) Q: 0.08 (0.00, 13.58)	L: 0.96 (0.52, 1.65) Q: 0.55 (0.00, 53.96)	L: 0.88 (0.58, 1.23) Q: 0.83 (0.03, 18.97)
Isolation exercises for the elbow extensors (i.e. different types of triceps extensions) (16)	n = 36 (23.2%)	2.14 (0.62, 7.87)	1.00 (0.06, 23.12)	L: 0.99 (0.35, 2.88) Q: 1.44 (0.60, 3.47)	L: 1.85 (0.51, 6.78) Q: 1.95 (0.84, 4.51)	L: 1.02 (0.82, 1.26) Q: 1.64 (0.04, 62.51)	L: 0.96 (0.65, 1.37) Q: 0.28 (0.01, 6.89)	L: 0.89 (0.69, 1.11) Q: 0.28 (0.03, 2.48)
Isolation exercises for the chest and anterior shoulder (i.e. chest flies, front raises etc.) (17)	n = 31 (20.0%)	1.04 (0.29, 3.82)	14.55 (0.32, 1912.94)	L: 1.70 (0.54, 5.57) Q: 1.02 (0.41, 2.55)	L: 2.14 (0.57, 8.10) Q: 1.66 (0.70, 3.97)	L: 1.07 (0.86, 1.33) Q: 2.57 (0.05, 121.32)	L: 0.91 (0.60, 1.33) Q: 0.10 (0.00, 3.00)	L: 1.05 (0.86, 1.29) Q: 4.35 (0.56, 32.51)

Table S22 – Q5.8 **You answered that the inclusion of some exercises related to your bench press is affected by competition schedule. Which specific exercises do you typically perform as you get closer to competition, relative to further away from competition? Please tick all boxes that apply to you. If non apply, leave blank.**

Q5.9

Q5.9 Which specific exercises do you typically perform further away from competition, relative to when you are close to a competition? Please tick all boxes that apply to you. If non apply, leave blank.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Alternative grip widths (i.e. purposely gripping the bar closer or wider than your competition grip width) (1)	n = 82 (50.6%)	0.56 (0.22, 1.42)	3.78 (0.45, 37.54)	L: 1.27 (0.55, 3.04) Q: 1.23 (0.62, 2.42)	L: 1.28 (0.46, 3.56) Q: 1.35 (0.69, 2.69)	L: 1.00 (0.85, 1.19) Q: 8.49 (0.42, 187.78)	L: 1.29 (0.99, 1.71) Q: 6.44 (0.60, 76.16)	L: 0.94 (0.80, 1.10) Q: 0.40 (0.08, 1.89)
Alternative pressing angles (i.e. purposely pressing at different angles like incline and decline) (2)	n = 82 (50.6%)	3.10 (1.19, 8.28)	0.46 (0.05, 3.84)	L: 2.09 (0.88, 4.99) Q: 0.97 (0.48, 1.95)	L: 2.40 (0.84, 7.00) Q: 0.94 (0.47, 1.90)	L: 1.03 (0.87, 1.22) Q: 2.30 (0.11, 44.70)	L: 1.06 (0.81, 1.37) Q: 3.98 (0.35, 42.87)	L: 1.02 (0.87, 1.19) Q: 1.39 (0.29, 6.69)
Use of specialty bars (i.e. football bar, swiss bar, cambered bar etc.) (3)	n = 28 (17.3%)	2.15 (0.57, 8.98)	0.11 (0.01, 1.25)	L: 1.99 (0.53, 9.41) Q: 0.41 (0.14, 1.13)	L: 2.74 (0.75, 10.77) Q: 1.12 (0.44, 2.77)	L: 1.14 (0.89, 1.50) Q: 0.39 (0.00, 33.35)	L: 0.92 (0.57, 1.37) Q: 5.84 (0.17, 164.61)	L: 1.03 (0.84, 1.25) Q: 3.30 (0.44, 23.92)
Slow(er) eccentric tempos (i.e. performing the bench press with a purposely slower than normal lowering tempo) (4)	n = 40 (24.7%)	0.54 (0.19, 1.53)	0.10 (0.01, 0.91)	L: 0.80 (0.31, 2.16) Q: 0.96 (0.44, 2.11)	L: 1.54 (0.51, 4.68) Q: 1.83 (0.86, 3.93)	L: 1.03 (0.86, 1.24) Q: 7.01 (0.28, 183.27)	L: 0.91 (0.64, 1.23) Q: 0.76 (0.04, 11.41)	L: 0.96 (0.79, 1.15) Q: 0.51 (0.08, 3.10)
Slow(er) concentric tempos (i.e. performing the bench press with a purposely slower than normal lifting tempo) (5)	n = 11 (6.8%)	1.13 (0.20, 7.42)	0.10 (0.01, 1.29)	L: 35.23 (0.94, 9100.55) Q: 0.26 (0.01, 2.94)	L: 1.54 (0.29, 8.35) Q: 3.35 (0.92, 13.30)	L: 1.08 (0.75, 1.60) Q: 0.10 (0.00, 20.19)	L: 0.93 (0.53, 1.52) Q: 0.60 (0.01, 44.03)	L: 0.71 (0.38, 1.14) Q: 0.02 (0.00, 1.16)
Touch and go bench press (i.e. bench press without a competition pause on the chest) (6)	n = 58 (35.8%)	1.68 (0.64, 4.47)	28.10 (0.86, 3023.86)	L: 0.71 (0.29, 1.74) Q: 0.88 (0.43, 1.83)	L: 1.40 (0.46, 4.14) Q: 0.91 (0.44, 1.88)	L: 0.89 (0.74, 1.07) Q: 0.18 (0.01, 5.35)	L: 0.81 (0.59, 1.09) Q: 0.48 (0.03, 6.11)	L: 1.07 (0.91, 1.25) Q: 4.23 (0.88, 20.95)
Long-paused bench press (i.e. bench press with a longer than normal pause on the chest) (7)	n = 12 (7.4%)	0.30 (0.07, 1.45)	0.06 (0.00, 0.81)	L: 3.09 (0.50, 31.25) Q: 0.75 (0.15, 3.19)	L: 0.93 (0.12, 7.00) Q: 0.49 (0.12, 1.83)	L: 0.94 (0.60, 1.49) Q: 0.00 (0.00, 0.20)	L: 0.61 (0.29, 1.14) Q: 0.03 (0.00, 2.60)	L: 1.08 (0.81, 1.40) Q: 3.47 (0.21, 57.90)
Pin press (i.e. bench press where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed) (8)	n = 22 (13.6%)	0.52 (0.16, 1.80)	10.57 (0.28, 1380.53)	L: 1.06 (0.33, 3.54) Q: 0.69 (0.27, 1.79)	L: 0.25 (0.05, 1.09) Q: 1.06 (0.37, 2.93)	L: 1.08 (0.84, 1.40) Q: 0.20 (0.00, 14.70)	L: 0.71 (0.42, 1.10) Q: 0.84 (0.02, 26.58)	L: 0.98 (0.77, 1.22) Q: 0.14 (0.01, 1.35)
Spoto press (i.e. bench press where depth is purposely reduced to less than competition depth without making contact with the chest) (9)	n = 46 (28.4%)	1.37 (0.49, 3.95)	23.81 (0.78, 2727.11)	L: 0.77 (0.31, 1.91) Q: 1.62 (0.76, 3.47)	L: 0.53 (0.17, 1.62) Q: 1.87 (0.86, 3.97)	L: 1.02 (0.85, 1.24) Q: 0.50 (0.01, 14.09)	L: 1.17 (0.88, 1.54) Q: 6.15 (0.47, 84.29)	L: 0.94 (0.78, 1.12) Q: 0.23 (0.04, 1.33)
Bench press without leg drive (i.e. Larsen press or feet-up bench press) (10)	n = 77 (47.5%)	1.09 (0.43, 2.74)	0.55 (0.07, 4.08)	L: 1.02 (0.43, 2.37) Q: 1.36 (0.69, 2.76)	L: 1.27 (0.45, 3.63) Q: 1.30 (0.65, 2.57)	L: 0.87 (0.73, 1.02) Q: 5.10 (0.27, 94.77)	L: 1.21 (0.94, 1.58) Q: 1.23 (0.12, 12.77)	L: 0.97 (0.83, 1.14) Q: 1.70 (0.35, 8.45)
Accommodating resistance (i.e. using a slingshot, and/or band/chain resistance to change the resistance curve of the exercise) (11)	n = 22 (13.6%)	241.37 (9.78, 21248.32)	0.05 (0.00, 0.72)	L: 0.51 (0.15, 1.77) Q: 1.57 (0.56, 4.40)	L: 1.56 (0.36, 6.59) Q: 0.98 (0.35, 2.63)	L: 1.02 (0.77, 1.37) Q: 0.20 (0.00, 27.11)	L: 0.78 (0.48, 1.18) Q: 0.23 (0.00, 7.97)	L: 0.91 (0.70, 1.15) Q: 0.36 (0.03, 3.70)
Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (12)	n = 2 (1.2%)	0.13 (0.00, 4.84)	0.37 (0.00, 72.27)	L: 35.94 (0.64, 10159.60) Q: 15.09 (0.10, 7793.64)	L: 0.04 (0.00, 3.08) Q: 0.57 (0.01, 17.53)	L: 1.72 (0.70, 5.15) Q: 0.10 (0.00, 318.26)	L: 0.66 (0.18, 1.79) Q: 0.84 (0.00, 1141.77)	L: 0.65 (0.17, 1.81) Q: 0.02 (0.00, 26.87)
Board press (i.e. bench press to a board or box, reducing range of motion) (13)	n = 24 (14.8%)	2.13 (0.60, 8.52)	0.22 (0.02, 2.42)	L: 0.55 (0.18, 1.75) Q: 1.34 (0.53, 3.50)	L: 1.65 (0.44, 6.30) Q: 1.39 (0.56, 3.46)	L: 1.14 (0.87, 1.55) Q: 0.02 (0.00, 1.61)	L: 0.74 (0.45, 1.12) Q: 0.18 (0.00, 5.83)	L: 0.88 (0.68, 1.11) Q: 0.37 (0.04, 3.19)
Non-barbell pressing (i.e. smith-rack pressing, dumbbell pressing at various angles, machine chest press etc.) (14)	n = 72 (44.4%)	1.25 (0.49, 3.23)	0.37 (0.04, 2.94)	L: 0.82 (0.34, 1.97) Q: 0.55 (0.27, 1.11)	L: 1.14 (0.38, 3.44) Q: 0.49 (0.24, 1.01)	L: 0.85 (0.71, 1.01) Q: 1.68 (0.08, 36.52)	L: 0.92 (0.69, 1.19) Q: 1.21 (0.10, 13.21)	L: 1.20 (1.02, 1.42) Q: 1.98 (0.40, 10.19)
Bodyweight pressing (i.e. variations of dips and push ups) (15)	n = 60 (37.0%)	1.65 (0.61, 4.59)	0.32 (0.03, 3.50)	L: 1.22 (0.47, 3.28) Q: 0.19 (0.09, 0.41)	L: 1.24 (0.40, 3.83) Q: 0.66 (0.31, 1.41)	L: 1.02 (0.85, 1.22) Q: 1.76 (0.06, 47.16)	L: 1.02 (0.77, 1.35) Q: 3.81 (0.31, 48.47)	L: 1.05 (0.89, 1.24) Q: 0.70 (0.13, 3.54)
Isolation exercises for the elbow extensors (i.e. different types of triceps extensions) (16)	n = 61 (37.7%)	1.04 (0.40, 2.68)	1.14 (0.11, 13.34)	L: 0.56 (0.22, 1.43) Q: 0.34 (0.16, 0.70)	L: 1.09 (0.35, 3.38) Q: 0.57 (0.27, 1.21)	L: 1.02 (0.85, 1.23) Q: 0.13 (0.00, 3.53)	L: 0.94 (0.70, 1.25) Q: 3.75 (0.29, 47.22)	L: 0.92 (0.78, 1.08) Q: 0.82 (0.16, 4.16)
Isolation exercises for the chest and anterior shoulder (i.e. chest flies, front raises etc.) (17)	n = 53 (32.7%)	1.35 (0.50, 3.73)	0.35 (0.04, 3.61)	L: 0.83 (0.32, 2.17) Q: 0.44 (0.21, 0.94)	L: 2.00 (0.65, 6.07) Q: 1.07 (0.51, 2.25)	L: 1.23 (1.00, 1.54) Q: 0.06 (0.00, 2.58)	L: 0.87 (0.62, 1.19) Q: 1.64 (0.10, 23.72)	L: 1.02 (0.87, 1.20) Q: 2.07 (0.38, 10.82)

Table S23 – Q5.9 **Which specific exercises do you typically perform further away from competition, relative to when you are close to a competition? Please tick all boxes that apply to you. If non apply, leave blank.**

Q5.10

Q5.10 Is the specific choice of exercises for your deadlift affected by how close you are to competition (NOT including the competition deadlift)?

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Yes. I perform some deadlift-related exercises more or less as I approach competition. (1)	n = 135 (35.1%)	1.30 (0.78, 2.20)	0.24 (0.06, 0.83)	L: 1.16 (0.76, 1.78) Q: 1.45 (0.99, 2.13)	L: 0.78 (0.45, 1.33) Q: 1.02 (0.70, 1.49)	L: 0.95 (0.87, 1.05) Q: 0.60 (0.12, 2.85)	L: 0.91 (0.78, 1.07) Q: 1.05 (0.27, 3.95)	L: 0.98 (0.90, 1.05) Q: 0.57 (0.24, 1.33)
No. The specific type of deadlift-related exercises is not affected by how close I am to a competition. (2)	n = 226 (58.7%)	1.16 (0.71, 1.89)	4.48 (1.16, 20.96)	L: 0.92 (0.61, 1.39) Q: 0.71 (0.49, 1.02)	L: 1.45 (0.85, 2.51) Q: 0.89 (0.61, 1.30)	L: 1.06 (0.98, 1.16) Q: 1.03 (0.23, 4.70)	L: 1.08 (0.93, 1.25) Q: 0.87 (0.24, 3.16)	L: 1.03 (0.95, 1.11) Q: 1.59 (0.70, 3.73)
I don't know. (3)	n = 24 (6.2%)	0.25 (0.09, 0.62)	1.29 (0.17, 17.48)	L: 0.75 (0.32, 1.79) Q: 0.85 (0.40, 1.80)	L: 0.61 (0.21, 1.65) Q: 1.49 (0.70, 3.16)	L: 0.94 (0.79, 1.10) Q: 2.62 (0.19, 28.51)	L: 1.01 (0.76, 1.31) Q: 1.10 (0.09, 11.48)	L: 0.99 (0.84, 1.15) Q: 1.32 (0.22, 7.19)

Table S24 – Q5.10 **Is the specific choice of exercises for your deadlift affected by how close you are to competition (NOT including the competition deadlift)?**

Q5.11

Q5.11 You answered that the inclusion of some exercises related to your deadlift is affected by competition schedule. Which specific exercises do you typically perform as you get closer to competition, relative to further away from competition? Please tick all boxes that apply to you. If non apply, leave blank.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Alternative stances (i.e. performing sumo if conventional is your competition variation and vice versa) (1)	n = 14 (12.1%)	2.61 (0.38, 22.40)	5.60 (0.16, 655.06)	L: 5.73 (1.04, 51.29) Q: 0.80 (0.16, 3.53)	L: 0.90 (0.13, 5.54) Q: 1.42 (0.41, 4.89)	L: 1.04 (0.76, 1.43) Q: 2.98 (0.05, 150.02)	L: 0.53 (0.26, 0.91) Q: 0.02 (0.00, 0.69)	L: 1.02 (0.74, 1.38) Q: 0.78 (0.05, 11.44)
Use of specialty bars (i.e. deadlift bar, trap-bar/hex-bar etc.) (2)	n = 6 (5.2%)	0.51 (0.04, 7.85)	0.03 (0.00, 1.18)	L: 1.40 (0.18, 14.77) Q: 0.66 (0.09, 5.15)	L: 0.12 (0.00, 3.24) Q: 0.82 (0.10, 5.71)	L: 1.17 (0.64, 2.37) Q: 0.02 (0.00, 14.50)	L: 0.70 (0.34, 1.16) Q: 40.93 (0.53, 3300.06)	L: 1.17 (0.64, 2.06) Q: 0.01 (0.00, 0.69)
Slow(er) eccentric tempos (i.e. performing the deadlift with a purposely slower than normal lowering tempo) (3)	n = 11 (9.5%)	0.74 (0.12, 5.36)	6.86 (0.15, 1213.97)	L: 0.94 (0.22, 4.25) Q: 1.67 (0.42, 7.72)	L: 1.33 (0.11, 12.80) Q: 0.56 (0.12, 2.32)	L: 0.98 (0.69, 1.39) Q: 0.83 (0.01, 53.05)	L: 1.20 (0.86, 1.68) Q: 0.54 (0.03, 8.31)	L: 1.17 (0.87, 1.56) Q: 2.94 (0.20, 39.70)
Slow(er) concentric tempos (i.e. performing the deadlift with a purposely slower than normal lifting tempo) (4)	n = 4 (3.4%)	366.04 (4.69, 55102.77)	0.00 (0.00, 0.14)	L: 0.23 (0.01, 5.19) Q: 1.14 (0.07, 24.53)	L: 0.04 (0.00, 1.50) Q: 16.03 (0.68, 558.65)	L: 0.48 (0.18, 1.16) Q: 0.02 (0.00, 33.94)	L: 0.28 (0.04, 0.98) Q: 135.84 (0.16, 90155.64)	L: 0.87 (0.36, 1.79) Q: 0.41 (0.00, 133.54)
Pause deadlift (i.e. deadlifts with a pause early in the lifting, aka. concentric, phase) (5)	n = 69 (59.5%)	4.08 (1.09, 15.69)	2.71 (0.29, 31.19)	L: 0.25 (0.08, 0.73) Q: 0.93 (0.37, 2.33)	L: 0.17 (0.04, 0.67) Q: 0.81 (0.33, 1.95)	L: 0.84 (0.66, 1.06) Q: 18.74 (0.81, 501.80)	L: 0.93 (0.74, 1.17) Q: 1.89 (0.29, 13.00)	L: 0.94 (0.75, 1.18) Q: 4.02 (0.57, 30.08)
Block or rack pulls (i.e. deadlifts performed from pins or blocks to reduce range of motion) (6)	n = 22 (19.0%)	1.34 (0.28, 7.31)	0.12 (0.01, 1.14)	L: 2.38 (0.58, 12.09) Q: 0.30 (0.09, 0.92)	L: 1.54 (0.24, 10.22) Q: 0.36 (0.11, 1.08)	L: 1.04 (0.79, 1.40) Q: 2.07 (0.04, 76.11)	L: 1.00 (0.77, 1.29) Q: 2.81 (0.30, 26.37)	L: 0.99 (0.74, 1.28) Q: 0.30 (0.03, 2.79)
Deficit deadlifts (i.e. deadlift performed standing on a podium to increase range of motion) (7)	n = 20 (17.2%)	0.25 (0.05, 1.18)	2.21 (0.18, 45.00)	L: 1.47 (0.42, 5.52) Q: 0.44 (0.15, 1.27)	L: 0.79 (0.12, 4.94) Q: 0.43 (0.13, 1.33)	L: 1.31 (0.95, 1.90) Q: 0.08 (0.00, 4.87)	L: 0.87 (0.64, 1.16) Q: 0.57 (0.05, 5.39)	L: 1.02 (0.78, 1.30) Q: 0.78 (0.09, 6.81)
Wide-grip deadlifts (i.e. deadlift performed with a wider than usual grip width to increase range of motion) (8)	n = 1 (0.9%)	0.22 (0.00, 172.75)	0.00 (0.00, 2.14)	L: 10.94 (0.04, 9232.73) Q: 10.29 (0.03, 8917.37)	L: 0.51 (0.00, 1098.83) Q: 0.62 (0.00, 252.73)	L: 1.07 (0.19, 6.97) Q: 0.19 (0.00, 1477.90)	L: 0.66 (0.09, 3.73) Q: 2.71 (0.00, 17089.41)	L: 6.06 (1.57, 35.58) Q: 14.93 (0.00, 51367.49)
Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise) (9)	n = 14 (12.1%)	7.74 (0.72, 150.81)	0.09 (0.01, 1.27)	L: 3.37 (0.71, 19.94) Q: 1.37 (0.33, 5.81)	L: 1.19 (0.09, 12.05) Q: 0.65 (0.13, 2.73)	L: 1.69 (1.04, 3.13) Q: 0.04 (0.00, 10.21)	L: 0.77 (0.47, 1.18) Q: 0.02 (0.00, 0.65)	L: 1.34 (0.98, 1.84) Q: 1.04 (0.06, 15.81)
Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (10)	n = 1 (0.9%)	0.23 (0.00, 202.56)	0.00 (0.00, 2.46)	L: 10.41 (0.04, 8265.52) Q: 10.64 (0.03, 9620.21)	L: 0.52 (0.00, 1187.47) Q: 0.61 (0.00, 256.26)	L: 1.06 (0.19, 6.67) Q: 0.20 (0.00, 1927.98)	L: 0.67 (0.10, 3.65) Q: 2.84 (0.00, 13688.47)	L: 5.99 (1.58, 35.35) Q: 15.52 (0.01, 44200.13)
Romanian or Stiff-Legged deadlifts (11)	n = 30 (25.9%)	0.51 (0.13, 1.98)	44.44 (1.44, 4999.81)	L: 3.28 (0.98, 12.75) Q: 0.52 (0.19, 1.43)	L: 1.17 (0.29, 4.67) Q: 0.91 (0.36, 2.23)	L: 1.05 (0.82, 1.36) Q: 0.28 (0.01, 8.20)	L: 1.03 (0.81, 1.30) Q: 1.60 (0.23, 10.48)	L: 1.04 (0.83, 1.31) Q: 3.74 (0.53, 26.98)
Floating deadlift (i.e. deadlifts performed on a podium, in which the bar is lowered to just above the floor, without contact, before lifting once again) (12)	n = 3 (2.6%)	0.01 (0.00, 0.53)	0.44 (0.00, 106.17)	L: 82.70 (0.70, 36428.17) Q: 14.17 (0.07, 11562.53)	L: 0.15 (0.00, 160.47) Q: 0.02 (0.00, 1.53)	L: 0.53 (0.19, 1.28) Q: 1.89 (0.00, 3536.31)	L: 1.09 (0.29, 3.35) Q: 31.24 (0.04, 28712.40)	L: 1.96 (1.03, 4.18) Q: 231.65 (0.57, 152303.38)
Goodmornings (i.e. hip hinges with a barbell or safety-bar on the back) (13)	n = 11 (9.5%)	9.48 (0.99, 118.73)	0.23 (0.01, 5.37)	L: 31.06 (1.01, 6796.66) Q: 0.20 (0.01, 2.14)	L: 4.90 (0.53, 61.49) Q: 1.18 (0.24, 5.10)	L: 0.88 (0.62, 1.22) Q: 44.32 (0.55, 3223.28)	L: 0.83 (0.52, 1.21) Q: 6.64 (0.26, 188.22)	L: 1.08 (0.77, 1.48) Q: 1.45 (0.07, 27.40)
Unilateral hinges (i.e. variations of one-leg deadlifts) (14)	n = 4 (3.4%)	0.05 (0.00, 1.00)	3.85 (0.06, 594.58)	L: 0.46 (0.03, 5.28) Q: 47.00 (0.90, 16621.27)	L: 0.94 (0.03, 26.82) Q: 2.30 (0.19, 32.90)	L: 1.52 (0.78, 3.37) Q: 0.25 (0.00, 250.68)	L: 0.64 (0.23, 1.37) Q: 0.72 (0.00, 178.02)	L: 0.71 (0.24, 1.55) Q: 0.03 (0.00, 4.83)
Isolation exercises for the hamstrings, adductors, glutes and spinal erectors (i.e. leg curl, nordics, hip thrusts, back extensions, reverse hypers, seated hip adductions, Copenhagen adductor drills, glute-ham raises etc.) (15)	n = 39 (33.6%)	0.34 (0.10, 1.13)	1.45 (0.18, 14.20)	L: 1.27 (0.48, 3.43) Q: 0.84 (0.35, 2.02)	L: 0.84 (0.22, 3.04) Q: 1.37 (0.59, 3.16)	L: 1.03 (0.82, 1.30) Q: 0.37 (0.02, 7.16)	L: 1.14 (0.92, 1.41) Q: 1.26 (0.20, 7.83)	L: 1.12 (0.90, 1.39) Q: 2.11 (0.33, 13.70)

Table S25 – Q5.11 **You answered that the inclusion of some exercises related to your deadlift is affected by competition schedule. Which specific exercises do you typically perform as you get closer to competition, relative to further away from competition? Please tick all boxes that apply to you. If non apply, leave blank.**

Q5.12

Q5.12 Which specific exercises do you typically perform further away from competition, relative to when you are close to a competition? Please tick all boxes that apply to you. If non apply, leave blank.

Exercise	Count	Gender	Division	Weight_class	Age	GLP	RT_experience	PL_experience
Alternative stances (i.e. performing sumo if conventional is your competition variation and vice versa) (1)	n = 67 (53.2%)	2.50 (0.77, 8.46)	0.04 (0.00, 0.46)	L: 0.52 (0.20, 1.33) Q: 1.10 (0.48, 2.52)	L: 0.54 (0.17, 1.72) Q: 0.69 (0.31, 1.54)	L: 1.00 (0.81, 1.23) Q: 0.70 (0.03, 15.30)	L: 1.23 (0.93, 1.65) Q: 4.79 (0.54, 43.87)	L: 1.04 (0.84, 1.28) Q: 1.05 (0.17, 6.57)
Use of specialty bars (i.e. deadlift bar, trap-bar/hex-bar etc.) (2)	n = 18 (14.3%)	1.78 (0.29, 12.32)	0.28 (0.03, 3.82)	L: 1.30 (0.29, 6.78) Q: 0.59 (0.16, 2.02)	L: 5.03 (0.71, 48.81) Q: 0.24 (0.05, 0.83)	L: 1.14 (0.80, 1.70) Q: 0.11 (0.00, 10.74)	L: 0.83 (0.53, 1.25) Q: 0.22 (0.01, 5.26)	L: 0.80 (0.53, 1.11) Q: 1.90 (0.11, 26.78)
Slow(er) eccentric tempos (i.e. performing the deadlift with a purposely slower than normal lowering tempo) (3)	n = 21 (16.7%)	5.42 (0.97, 38.39)	0.23 (0.02, 2.82)	L: 0.76 (0.21, 3.02) Q: 1.08 (0.36, 3.32)	L: 4.00 (0.85, 22.13) Q: 0.69 (0.22, 2.01)	L: 0.96 (0.72, 1.32) Q: 0.23 (0.00, 13.90)	L: 0.79 (0.52, 1.15) Q: 0.79 (0.03, 15.84)	L: 0.79 (0.52, 1.12) Q: 0.08 (0.00, 1.32)
Slow(er) concentric tempos (i.e. performing the deadlift with a purposely slower than normal lifting tempo) (4)	n = 13 (10.3%)	0.73 (0.13, 4.80)	7.83 (0.18, 1259.22)	L: 1.13 (0.29, 4.77) Q: 1.68 (0.41, 7.61)	L: 0.69 (0.12, 3.60) Q: 1.65 (0.48, 5.48)	L: 0.92 (0.68, 1.23) Q: 3.52 (0.05, 187.19)	L: 1.13 (0.76, 1.62) Q: 0.98 (0.03, 23.58)	L: 0.89 (0.56, 1.29) Q: 0.06 (0.00, 1.57)
Pause deadlift (i.e. deadlifts with a pause early in the lifting, aka. concentric, phase) (5)	n = 33 (26.2%)	0.17 (0.04, 0.62)	0.51 (0.06, 4.79)	L: 1.54 (0.49, 5.37) Q: 0.53 (0.20, 1.38)	L: 3.01 (0.86, 10.71) Q: 2.13 (0.86, 5.40)	L: 0.87 (0.67, 1.13) Q: 0.01 (0.00, 0.41)	L: 0.97 (0.70, 1.33) Q: 0.55 (0.04, 7.26)	L: 0.94 (0.72, 1.20) Q: 0.08 (0.01, 0.70)
Block or rack pulls (i.e. deadlifts performed from pins or blocks to reduce range of motion) (6)	n = 21 (16.7%)	0.51 (0.11, 2.49)	0.72 (0.05, 15.36)	L: 0.41 (0.11, 1.57) Q: 0.67 (0.21, 2.19)	L: 2.89 (0.67, 13.06) Q: 1.08 (0.35, 3.23)	L: 0.82 (0.58, 1.13) Q: 0.01 (0.00, 0.54)	L: 1.05 (0.69, 1.55) Q: 16.73 (0.84, 301.13)	L: 1.11 (0.86, 1.43) Q: 2.32 (0.20, 25.53)
Deficit deadlifts (i.e. deadlift performed standing on a podium to increase range of motion) (7)	n = 36 (28.6%)	1.19 (0.33, 4.57)	19.95 (0.58, 2550.29)	L: 0.70 (0.25, 2.00) Q: 0.63 (0.25, 1.58)	L: 1.11 (0.28, 4.21) Q: 0.38 (0.15, 0.96)	L: 0.87 (0.69, 1.11) Q: 0.10 (0.00, 3.03)	L: 0.93 (0.68, 1.27) Q: 1.74 (0.16, 18.26)	L: 1.11 (0.89, 1.37) Q: 1.29 (0.17, 9.06)
Wide-grip deadlifts (i.e. deadlift performed with a wider than usual grip width to increase range of motion) (8)	n = 25 (19.8%)	0.66 (0.16, 2.77)	19.28 (0.58, 2554.44)	L: 0.85 (0.28, 2.56) Q: 0.88 (0.33, 2.36)	L: 0.46 (0.10, 1.95) Q: 0.84 (0.29, 2.30)	L: 1.27 (0.93, 1.83) Q: 0.02 (0.00, 1.83)	L: 0.96 (0.68, 1.32) Q: 0.12 (0.01, 1.79)	L: 1.06 (0.82, 1.36) Q: 1.38 (0.15, 12.62)
Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise) (9)	n = 19 (15.1%)	0.67 (0.14, 3.30)	0.35 (0.03, 4.30)	L: 0.83 (0.21, 3.60) Q: 0.85 (0.26, 2.77)	L: 2.75 (0.52, 15.32) Q: 0.56 (0.17, 1.71)	L: 0.91 (0.65, 1.28) Q: 0.01 (0.00, 0.65)	L: 0.90 (0.60, 1.31) Q: 0.98 (0.05, 18.78)	L: 0.68 (0.41, 1.01) Q: 0.11 (0.00, 2.10)
Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (10)	n = 1 (0.8%)	0.44 (0.00, 269.82)	0.02 (0.00, 16.98)	L: 1.49 (0.00, 1208.51) Q: 0.02 (0.00, 2.26)	L: 0.05 (0.00, 7.70) Q: 46.33 (0.17, 35981.76)	L: 0.91 (0.15, 5.41) Q: 0.26 (0.00, 2285.23)	L: 2.52 (0.49, 14.09) Q: 0.09 (0.00, 250.27)	L: 0.33 (0.03, 1.62) Q: 8.38 (0.00, 38114.98)
Romanian or Stiff-Legged deadlifts (11)	n = 70 (55.6%)	1.94 (0.61, 6.27)	0.42 (0.05, 3.14)	L: 0.99 (0.39, 2.46) Q: 1.11 (0.49, 2.51)	L: 1.02 (0.33, 3.08) Q: 0.99 (0.45, 2.17)	L: 0.84 (0.67, 1.04) Q: 24.02 (1.02, 761.25)	L: 1.05 (0.81, 1.39) Q: 2.04 (0.23, 18.07)	L: 1.10 (0.90, 1.36) Q: 0.57 (0.10, 3.46)
Floating deadlift (i.e. deadlifts performed on a podium, in which the bar is lowered to just above the floor, without contact, before lifting once again) (12)	n = 10 (7.9%)	1.00 (0.11, 10.44)	0.45 (0.02, 13.99)	L: 0.93 (0.16, 5.98) Q: 0.46 (0.10, 1.98)	L: 0.09 (0.00, 4.86) Q: 0.04 (0.00, 0.42)	L: 1.59 (0.96, 2.99) Q: 0.12 (0.00, 35.74)	L: 0.87 (0.51, 1.38) Q: 0.35 (0.01, 16.08)	L: 0.83 (0.51, 1.22) Q: 0.88 (0.03, 18.69)
Goodmornings (i.e. hip hinges with a barbell or safety-bar on the back) (13)	n = 34 (27.0%)	1.06 (0.29, 4.07)	0.73 (0.08, 7.70)	L: 1.40 (0.48, 4.16) Q: 0.47 (0.18, 1.17)	L: 0.80 (0.18, 3.14) Q: 0.34 (0.12, 0.86)	L: 1.10 (0.85, 1.44) Q: 0.16 (0.00, 6.16)	L: 0.72 (0.50, 1.00) Q: 0.07 (0.00, 0.91)	L: 1.14 (0.91, 1.42) Q: 1.35 (0.18, 9.75)
Unilateral hinges (i.e. variations of one-leg deadlifts) (14)	n = 24 (19.0%)	0.76 (0.17, 3.60)	20.05 (0.55, 2491.33)	L: 1.31 (0.37, 4.88) Q: 0.35 (0.12, 1.00)	L: 1.09 (0.28, 3.96) Q: 1.53 (0.56, 4.07)	L: 1.12 (0.85, 1.51) Q: 0.27 (0.00, 12.60)	L: 0.61 (0.35, 0.96) Q: 0.34 (0.01, 7.21)	L: 1.23 (0.98, 1.55) Q: 0.58 (0.06, 5.54)
Isolation exercises for the hamstrings, adductors, glutes and spinal erectors (i.e. leg curl, nordics, hip thrusts, back extensions, reverse hypers, seated hip adductions, Copenhagen adductor drills, glute-ham raises etc.) (15)	n = 48 (38.1%)	1.38 (0.43, 4.73)	1.56 (0.18, 16.19)	L: 1.21 (0.46, 3.22) Q: 0.45 (0.19, 1.01)	L: 1.52 (0.49, 4.77) Q: 0.92 (0.42, 2.04)	L: 1.00 (0.82, 1.23) Q: 2.24 (0.11, 45.39)	L: 0.97 (0.72, 1.29) Q: 0.55 (0.06, 5.30)	L: 1.04 (0.85, 1.28) Q: 2.82 (0.46, 18.50)

Table S26 – Q5.12 **Which specific exercises do you typically perform further away from competition, relative to when you are close to a competition? Please tick all boxes that apply to you. If non apply, leave blank.**

Supplemental Digital Content 2

Exploring the Insights of Powerlifting Athletes on Exercise Specificity in the Sport of Powerlifting

Survey Flow

Standard: Information Page (2 Questions)
Block: Athlete Background (10 Questions)
Standard: The Back Squat (7 Questions)
Standard: The Bench Press (7 Questions)
Standard: The Deadlift (7 Questions)
Standard: Periodisation and exercise selection (12 Questions)

Page Break

Start of Block: Information Page

Q1.0 Timing
First Click (1)
Last Click (2)
Page Submit (3)
Click Count (4)

Q0 **Project Title** Exploring the Insights of Powerlifting Athletes on Exercise Specificity in the Sport of Powerlifting. **An Invitation** My name is Christian Houmann Amdi, and I am a PhD candidate based at the Sports Performance Research Institute New Zealand at AUT Millennium. I would like to invite you to participate in this survey on the training practices of powerlifters. **What is the purpose of this research?** This study aims to explore how exercise specificity and variation are implemented in powerlifters' training. In other words, the question we seek to answer is: How much of a powerlifter's training week consists of the competition lifts, variations, and accessory exercises? Which exercises are performed, and how is this impacted by the training phase and characteristics of the athlete? Previous research suggests that varied exercise selection may be promising for those seeking to increase maximal strength, and surveys suggest that exercise variation is common in powerlifters. However, little is known about how specifically it is programmed, what considerations affect programming decisions, and the rationale behind these decisions. The goal is to inform the programming of powerlifting coaches and athletes, provide context to improve the design and interpretation of future studies, and offer potential hypotheses for exploration by other researchers in the future. The findings of this research may be used for academic publications and presentations. **How was I identified, and why am I being invited to participate in this research?** You have been directed to this page through an advertised link on a social media page because you might be suitable for participation. As a reminder, you must: • Have trained regularly for the last 2 years; • Have competed in a drug-tested sanctioned powerlifting meet within the last 18 months; and • Be at least 18 years old. **How do I agree to participate in this research?** Your participation in this research is voluntary (it is your choice), and whether or not you choose to participate will neither advantage nor disadvantage you. You are able to

withdraw from the study at any time, by closing the browser. However, by starting the questionnaire, you are consenting to participate. Because the survey is anonymous, once you have completed the survey, your answers cannot be withdrawn. **What will happen in this research?** This questionnaire is completed online; it consists of 20-43 questions, depending on your answers, and should take approximately 10-20 minutes to complete. **What are the discomforts and risks?** You are not likely to experience any discomfort or risk by completing the questionnaire. **What are the benefits?** We cannot offer more than our gratitude for your participation in this study. However, your participation will contribute to the expansion of knowledge on powerlifting and exercise specificity. You will also receive the results of the research, which may contribute to your understanding and practices. This research will also form part of my PhD studies and will assist me in obtaining that qualification. **How will my privacy be protected?** The questionnaire is entirely anonymous so you will not be identifiable. There is a very small chance that, given some of the requested demographic information and small pool, the researcher could identify a participant. However, all data is anonymous and reported as a mean and standard deviation at the group level, such that individual data points that could potentially identify an individual are not reported in any research outputs. **What are the costs of participating in this research?** Participation in this research will take approximately 10-20 minutes of your time. **What opportunity do I have to consider this invitation?** The survey will be ongoing until September 30th, 2024; you will have until then to participate. **Will I receive feedback on the results of this research?** Yes, you will receive a URL when you complete the questionnaire; you can use this to access the results once the study has been completed. **What do I do if I have concerns about this research?** Any concerns regarding the nature of this project should be notified in the first instance to the Project Supervisor, Michael McGuigan, email: michael.mcguigan@aut.ac.nz. Concerns regarding the conduct of the research should be notified to the Executive Secretary of AUTEC, ethics@aut.ac.nz, (+649) 921 9999 ext 6038. **Whom do I contact for further information about this research?** Please keep this Information Sheet. You are also able to contact the research team as follows: Researcher Contact Details: Christian Houmann Amdi, email: christian.houmann.amdi@autuni.ac.nz Project Supervisor Contact Details: Michael McGuigan, email: michael.mcguigan@aut.ac.nz Approved by the Auckland University of Technology Ethics Committee on December 7th 2023, AUTEC Reference number 23/355.

End of Block: Information Page

Start of Block: Athlete Background

Q1.1 **In which region do you currently reside?**

- ○ Europe (1)
- ○ North America (2)
- ○ South America (3)
- ○ Africa (4)
- ○ Asia (5)
- ○ Oceania (6)

Q1.2 **In which age class do you currently compete?**

- ○ Sub-junior (≤18 years) (1)
- ○ Junior (19-23 years) (2)
- ○ Open (24-39 years) (3)
- ○ Masters (40+ years) (4)

Q1.3 **In which weight class do you typically compete?** If you do not compete in the IPF, select the closest weight class above your own.

- 43 kg (sub-junior and junior women only) (1)
- 47 kg (women) (2)
- 52 kg (women) (3)
- 53 kg (sub-junior and junior men only) (4)
- 57 kg (women) (5)
- 59 kg (men) (6)
- 63 kg (women) (7)
- 66 kg (men) (8)
- 69 kg (women) (9)
- 74 kg (men) (10)
- 76 kg (women) (11)
- 83 kg (men) (12)
- 84 kg (women) (13)
- 84+ kg (women) (14)
- 93 kg (men) (15)

- ○ 105 kg (men) (16)
- ○ 120 kg (men) (17)
- ○ 120+ kg (men) (18)

Q1.4 **What is the highest level of powerlifting competition you have competed at?**

- ○ Club (1)
- ○ Regional (2)
- ○ National (3)
- ○ International (4)

Q1.5 **Within what range is your best IPF points score (three lift competition total only)?** Search your name using the OpenPowerlifting database: https://www.openpowerlifting.org/rankings/by-goodlift

- ○ Less than 50 (1)
- ○ 50 – 54 (2)
- ○ 55 – 59 (3)
- ○ 60 – 64 (4)
- ○ 65 – 69 (5)
- ○ 70 – 74 (6)
- ○ 75 – 79 (7)
- ○ 80 – 84 (8)
- ○ 85 – 89 (9)
- ○ 90 – 94 (10)
- ○ 95 – 99 (11)
- ○ 100 – 104 (12)
- ○ 105 – 109 (13)
- ○ Greater than 110 (14)

Q1.6 **How many years total have you been resistance training?**

- ○ 0 – 1 years (1)
- ○ 1 – 2 years (2)
- ○ 2 – 3 years (3)
- ○ 3 – 4 years (4)
- ○ 4 – 5 years (5)
- ○ 5 – 6 years (6)
- ○ 6 – 7 years (7)
- ○ 7 – 8 years (8)
- ○ 8 – 9 years (9)
- ○ 9 – 10 years (10)
- ○ 10+ years (11)

Q1.7 **How many years of dedicated powerlifting training/competition experience do you have?** This refers to the time you have specifically trained the squat, bench press and deadlift for the purpose of increasing the 1-repetition maximum of these lifts.

- ○ 0 – 1 years (1)
- ○ 1 – 2 years (2)
- ○ 2 – 3 years (3)
- ○ 3 – 4 years (4)
- ○ 4 – 5 years (5)
- ○ 5 – 6 years (6)
- ○ 6 – 7 years (7)
- ○ 7 – 8 years (8)
- ○ 8 – 9 years (9)
- ○ 9 – 10 years (10)
- ○ 10+ years (11)

Q1.8 **Do you consider yourself primarily a raw or equipped (e.g. use of squat suit, bench shirt and/or knee wraps) lifter?**

- ○ Raw (1)
- ○ Equipped (2)

Q1.9 **Do you have a coach doing your programming or are you self-coached?**

- ○ Yes, I have a coach (1)
- ○ No, I'm self-coached (2)
- ○ No, I'm self-coached, but I have been coached previously (3)

Q1.10 **How many times, on average, a week do you resistance exercise? If it varies, tick all boxes that apply to you.**

- ☐ Zero times a week (8)
- ☐ Once a week (1)
- ☐ Twice a week (2)
- ☐ Thrice a week (3)
- ☐ Four times a week (4)
- ☐ Five times a week (5)
- ☐ Six times a week (6)
- ☐ Seven or more times a week (7)

End of Block: Athlete Background

Start of Block: The Back Squat

Q2.1 **Within the last year, have your squat-focused lower-body training involved any of the following exercise selections or executions? Tick all boxes that apply to you.** For combinations of two or more variations (e.g., box squat against bands), tick all relevant boxes.

- ☐ Alternative bar placements (i.e. high bar or front squat, if low bar is your competition variant) (1)
- ☐ Alternative stances (i.e. purposely squatting with a wider and/or narrower stance than your competition lift) (2)
- ☐ Use of specialty bars (i.e. safety-bar, cambered bar etc.) (3)
- ☐ Slow(er) eccentric tempos (i.e. performing the squat with a purposely slower than normal lowering tempo) (4)
- ☐ Slow(er) concentric tempos (i.e. performing the squat with a purposely slower than normal lifting tempo) (5)
- ☐ Pause squats (i.e. squats with a pause in the bottom position) (6)
- ☐ Pin squats (i.e. pause squats where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed) (7)
- ☐ Partial range of motion squats (i.e. squats where depth is purposely reduced to less than competition depth) (8)
- ☐ Box squats (i.e. squats performed to a box) (9)
- ☐ Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise) (10)
- ☐ Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (11)

- [ ] Heel elevation (i.e. using slant boards or plates to elevate the heels) (12)
- [ ] Non-barbell squats (i.e. belt squat, smith-rack squat, hack squat, leg press, goblet squats etc.) (13)
- [ ] Unilateral squats (i.e. variations of lunges, split squats and step-ups) (14)
- [ ] Isolation exercises for the knee extensors (i.e. leg extensions, reverse nordics, sissy squats etc.) (15)
- [ ] Isolation exercises for the hip extensors (i.e. hip thrusts, back extensions, seated hip adductions, Copenhagen adductor drills etc.) (16)
- [ ] ⊗ No, competition style back squat is the only thing I do (18)

Q2.2 **How many sessions a week do you typically train the competition-style squat?** Only competition-style execution of the squat counts. No variations of squats with regards to tempo, stance, bar placement, changes in ROM, use of specialty bars etc. are included. **If it varies, tick all boxes that apply to you.**

- ☐ Zero times a week (8)
- ☐ Once a week (1)
- ☐ Twice a week (2)
- ☐ Thrice a week (3)
- ☐ Four times a week (4)
- ☐ Five times a week (5)
- ☐ Six times a week (6)
- ☐ Seven or more times a week (7)

Display this question:

If Q2.1 = Alternative bar placements (i.e. high bar or front squat, if low bar is your competition variant)

Or Q2.1 = Alternative stances (i.e. purposely squatting with a wider and/or narrower stance than your competition lift)

Or Q2.1 = Use of specialty bars (i.e. safety-bar, cambered bar etc.)

Or Q2.1 = Slow(er) eccentric tempos (i.e. performing the squat with a purposely slower than normal lowering tempo)

Or Q2.1 = Slow(er) concentric tempos (i.e. performing the squat with a purposely slower than normal lifting tempo)

Or Q2.1 = Pause squats (i.e. squats with a pause in the bottom position)

Or Q2.1 = Pin squats (i.e. pause squats where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed)

Or Q2.1 = Partial range of motion squats (i.e. squats where depth is purposely reduced to less than competition depth)

Or Q2.1 = Box squats (i.e. squats performed to a box)

Or Q2.1 = Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise)

Or Q2.1 = Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase)

Or Q2.1 = Heel elevation (i.e. using slant boards or plates to elevate the heels)

Q2.3 **How many sessions a week do you typically train a close derivative of squat?** Close-derivative means any squat pattern with a free-weight barbell (i.e., not smith-rack) that is not the same as your competition-style squat, i.e. any manipulation in tempo, bar placement, stance, use of specialty bar or equipment, pauses etc. **If it varies, tick all boxes that apply to you.**

- ☐ Zero times a week (8)
- ☐ Once a week (1)
- ☐ Twice a week (2)
- ☐ Thrice a week (3)
- ☐ Four times a week (4)
- ☐ Five times a week (5)
- ☐ Six times a week (6)
- ☐ Seven or more times a week (7)

Display this question:

If Q2.1 = Non-barbell squats (i.e. belt squat, smith-rack squat, hack squat, leg press, goblet squats etc.)

Or Q2.1 = Unilateral squats (i.e. variations of lunges, split squats and step-ups)

Or Q2.1 = Isolation exercises for the knee extensors (i.e. leg extensions, reverse nordics, sissy squats etc.)

Or Q2.1 = Isolation exercises for the hip extensors (i.e. hip thrusts, back extensions, seated hip adductions, Copenhagen adductor drills etc.)

Q2.4 **How many sessions a week do you typically train assistance or isolation exercises for the knee extensors (i.e. quads)?** For example, machine squats like belt squat, leg press, hack squat etc., variations of lunges, split squats, step ups, leg extensions, sissy squats, reverse nordics etc. **If it varies, tick all boxes that apply to you.**

- ☐ Zero times a week (8)
- ☐ Once a week (1)
- ☐ Twice a week (2)
- ☐ Thrice a week (3)
- ☐ Four times a week (4)
- ☐ Five times a week (5)
- ☐ Six times a week (6)
- ☐ Seven or more times a week (7)

Page Break

Q2.5 **How are your competition style squat typically programmed (warm-up sets and deload weeks not included)?** Only competition-style execution of the squat counts. No variations of squats with regards to tempo, stance, bar placement, changes in ROM, use of specialty bars etc. are included. *RPE is a 0-10 rating scale of perceived exertion (10 being maximum effort with no more reps or kg in the tank).* **If it varies, tick all boxes that apply to you.**

- ☐ Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)
- ☐ Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)
- ☐ Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)
- ☐ Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)
- ☐ Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)
- ☐ Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)
- ☐ Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)
- ☐ Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)
- ☐ Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)

Display this question:

If Q2.1 = Alternative bar placements (i.e. high bar or front squat, if low bar is your competition variant)

Or Q2.1 = Alternative stances (i.e. purposely squatting with a wider and/or narrower stance than your competition lift)

Or Q2.1 = Use of specialty bars (i.e. safety-bar, cambered bar etc.)

Or Q2.1 = Slow(er) eccentric tempos (i.e. performing the squat with a purposely slower than normal lowering tempo)

Or Q2.1 = Slow(er) concentric tempos (i.e. performing the squat with a purposely slower than normal lifting tempo)

Or Q2.1 = Pause squats (i.e. squats with a pause in the bottom position)

Or Q2.1 = Pin squats (i.e. pause squats where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed)

Or Q2.1 = Partial range of motion squats (i.e. squats where depth is purposely reduced to less than competition depth)

Or Q2.1 = Box squats (i.e. squats performed to a box)

Or Q2.1 = Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise)

Or Q2.1 = Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase)

Or Q2.1 = Heel elevation (i.e. using slant boards or plates to elevate the heels)

Q2.6 **How are your close derivatives of the squat typically programmed (warm-up sets and deload weeks not included)?** Close-derivative means any squat pattern with a free-weight barbell (i.e., not smith-rack) that is not the same as your competition-style squat, i.e. any manipulation in tempo, bar placement, stance, use of specialty bar or equipment, pauses etc. **If it varies, tick all boxes that apply to you.**

- ☐ Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)
- ☐ Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)
- ☐ Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)
- ☐ Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)
- ☐ Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)
- ☐ Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)
- ☐ Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)
- ☐ Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)
- ☐ Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)

Display this question:

If Q2.1 = Non-barbell squats (i.e. belt squat, smith-rack squat, hack squat, leg press, goblet squats etc.)

Or Q2.1 = Unilateral squats (i.e. variations of lunges, split squats and step-ups)

Or Q2.1 = Isolation exercises for the knee extensors (i.e. leg extensions, reverse nordics, sissy squats etc.)

Or Q2.1 = Isolation exercises for the hip extensors (i.e. hip thrusts, back extensions, seated hip adductions, Copenhagen adductor drills etc.)

Q2.7 **How are your non-barbell assistance and isolation exercises for the knee extensors (e.g., quads) typically programmed (warm-up sets and deload weeks not included)?** For example, machine squats like belt squat, leg press, hack squat etc., variations of lunges, split squats ,step ups, leg extensions, sissy squats, reverse nordics etc. **If it varies, tick all boxes that apply to you.**

- ☐ Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)
- ☐ Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)
- ☐ Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)
- ☐ Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)
- ☐ Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)
- ☐ Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)
- ☐ Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)
- ☐ Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)
- ☐ Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)

End of Block: The Back Squat

Start of Block: The Bench Press

Q3.1 **Within the last year, have your upper body pressing training involved any of the following exercise selections or executions? Tick all boxes that apply to you.** For combinations of two or more variations (e.g., Larsen press against bands), tick all relevant boxes.

- ☐ Alternative grip widths (i.e. purposely gripping the bar closer or wider than your competition grip width) (1)
- ☐ Alternative pressing angles (i.e. purposely pressing at different angles like incline and decline) (2)
- ☐ Use of specialty bars (i.e. football bar, swiss bar, cambered bar etc.) (3)
- ☐ Slow(er) eccentric tempos (i.e. performing the bench press with a purposely slower than normal lowering tempo) (4)
- ☐ Slow(er) concentric tempos (i.e. performing the bench press with a purposely slower than normal lifting tempo) (5)
- ☐ Touch and go bench press (i.e. bench press without a competition pause on the chest) (6)
- ☐ Long-paused bench press (i.e. bench press with a longer than normal pause on the chest) (7)
- ☐ Pin press (i.e. bench press where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed) (8)
- ☐ Spoto press (i.e. bench press where depth is purposely reduced to less than competition depth without making contact with the chest) (9)
- ☐ Bench press without leg drive (i.e. Larsen press or feet-up bench press) (10)
- ☐ Accommodating resistance (i.e. using a slingshot, and/or band/chain resistance to change the resistance curve of the exercise) (11)

☐ Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (12)

☐ Board press (i.e. bench press to a board or box, reducing range of motion) (13)

☐ Non-barbell pressing (i.e. smith-rack pressing, dumbbell pressing at various angles, machine chest press etc.) (14)

☐ Bodyweight pressing (i.e. variations of dips and push ups) (15)

☐ Isolation exercises for the elbow extensors (i.e. different types of triceps extensions) (16)

☐ Isolation exercises for the chest and anterior shoulder (i.e. chest flies, front raises etc.) (17)

☐ ⊗ No, competition style bench press is the only thing I do (19)

Q3.2 **How many sessions a week do you typically train the competition style bench press?** Only competition-style execution of the bench press counts. No variations of bench press with regards to tempo, pause-length, grip, changes in ROM, use of specialty bars etc. are included. **If it varies, tick all boxes that apply to you.**

- ☐ Zero times a week (8)
- ☐ Once a week (1)
- ☐ Twice a week (2)
- ☐ Thrice a week (3)
- ☐ Four times a week (4)
- ☐ Five times a week (5)
- ☐ Six times a week (6)
- ☐ Seven or more times a week (7)

Display this question:

If Q3.1 = Alternative grip widths (i.e. purposely gripping the bar closer or wider than your competition grip width)

Or Q3.1 = Alternative pressing angles (i.e. purposely pressing at different angles like incline and decline)

Or Q3.1 = Use of specialty bars (i.e. football bar, swiss bar, cambered bar etc.)

Or Q3.1 = Slow(er) eccentric tempos (i.e. performing the bench press with a purposely slower than normal lowering tempo)

Or Q3.1 = Slow(er) concentric tempos (i.e. performing the bench press with a purposely slower than normal lifting tempo)

Or Q3.1 = Touch and go bench press (i.e. bench press without a competition pause on the chest)

Or Q3.1 = Long-paused bench press (i.e. bench press with a longer than normal pause on the chest)

Or Q3.1 = Pin press (i.e. bench press where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed)

Or Q3.1 = Spoto press (i.e. bench press where depth is purposely reduced to less than competition depth without making contact with the chest)

Or Q3.1 = Bench press without leg drive (i.e. Larsen press or feet-up bench press)

Or Q3.1 = Accommodating resistance (i.e. using a slingshot, and/or band/chain resistance to change the resistance curve of the exercise)

Or Q3.1 = Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase)

Or Q3.1 = Board press (i.e. bench press to a board or box, reducing range of motion)

Q3.3 **How many sessions a week do you typically train a close derivative of bench press?** Close-derivative means any bench press pattern with a barbell that is not the same as your competition-style bench press, i.e. any manipulation in tempo, pause-length, grip, pressing angle, use of specialty bar or equipment, etc. **If it varies, tick all boxes that apply to you.**

- ☐ Zero times a week (8)
- ☐ Once a week (1)
- ☐ Twice a week (2)
- ☐ Thrice a week (3)
- ☐ Four times a week (4)
- ☐ Five times a week (5)
- ☐ Six times a week (6)
- ☐ Seven or more times a week (7)

Display this question:

If Q3.1 = Non-barbell pressing (i.e. smith-rack pressing, dumbbell pressing at various angles, machine chest press etc.)

Or Q3.1 = Bodyweight pressing (i.e. variations of dips and push ups)

Or Q3.1 = Isolation exercises for the elbow extensors (i.e. different types of triceps extensions)

Or Q3.1 = Isolation exercises for the chest and anterior shoulder (i.e. chest flies, front raises etc.)

Q3.4 **How many sessions a week do you typically train assistance or isolation exercises for the pressing musculature (i.e. pecs, triceps and anterior shoulder)?** For example, presses with machines, dumbbells, body weight and isolation exercises for the pecs, triceps and anterior delts, etc. **If it varies, tick all boxes that apply to you.**

- ☐ Zero times a week (8)
- ☐ Once a week (1)
- ☐ Twice a week (2)
- ☐ Thrice a week (3)
- ☐ Four times a week (4)
- ☐ Five times a week (5)
- ☐ Six times a week (6)
- ☐ Seven or more times a week (7)

Page Break

Q3.5 **How are your competition style bench press typically programmed (warm-up sets and deload weeks not included)?** Only competition-style execution of the bench press counts. No variations of bench press with regards to tempo, pause-length, grip, changes in ROM, use of specialty bars etc. are included. **If it varies, tick all boxes that apply to you.**

- ☐ Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)
- ☐ Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)
- ☐ Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)
- ☐ Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)
- ☐ Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)
- ☐ Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)
- ☐ Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)
- ☐ Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)
- ☐ Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)

Display this question:

If Q3.1 = Alternative grip widths (i.e. purposely gripping the bar closer or wider than your competition grip width)

Or Q3.1 = Alternative pressing angles (i.e. purposely pressing at different angles like incline and decline)

Or Q3.1 = Use of specialty bars (i.e. football bar, swiss bar, cambered bar etc.)

Or Q3.1 = Slow(er) eccentric tempos (i.e. performing the bench press with a purposely slower than normal lowering tempo)

Or Q3.1 = Slow(er) concentric tempos (i.e. performing the bench press with a purposely slower than normal lifting tempo)

Or Q3.1 = Touch and go bench press (i.e. bench press without a competition pause on the chest)

Or Q3.1 = Long-paused bench press (i.e. bench press with a longer than normal pause on the chest)

Or Q3.1 = Pin press (i.e. bench press where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed)

Or Q3.1 = Spoto press (i.e. bench press where depth is purposely reduced to less than competition depth without making contact with the chest)

Or Q3.1 = Bench press without leg drive (i.e. Larsen press or feet-up bench press)

Or Q3.1 = Accommodating resistance (i.e. using a slingshot, and/or band/chain resistance to change the resistance curve of the exercise)

Or Q3.1 = Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase)

Or Q3.1 = Board press (i.e. bench press to a board or box, reducing range of motion)

Q3.6 **How are your close derivatives of bench press typically programmed (warm-up sets and deload weeks not included)?** Close-derivative means any bench press pattern with a barbell that is not the same as your competition-style bench press, i.e. any manipulation in tempo, pause-length, grip, pressing angle, use of specialty bar or equipment, etc. **If it varies, tick all boxes that apply to you.**

- ☐ Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)
- ☐ Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)
- ☐ Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)
- ☐ Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)
- ☐ Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)
- ☐ Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)
- ☐ Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)
- ☐ Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)
- ☐ Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)

Display this question:

If Q3.1 = Non-barbell pressing (i.e. smith-rack pressing, dumbbell pressing at various angles, machine chest press etc.)

Or Q3.1 = Bodyweight pressing (i.e. variations of dips and push ups)

Or Q3.1 = Isolation exercises for the elbow extensors (i.e. different types of triceps extensions)

Or Q3.1 = Isolation exercises for the chest and anterior shoulder (i.e. chest flies, front raises etc.)

Q3.7 **How are your non-barbell assistance or isolation exercises for the pressing musculature (i.e. pecs, triceps and anterior shoulder) typically programmed (warm-up sets and deload weeks not included)?** For example, presses with machines, dumbbells, body weight and isolation exercises for the pecs, triceps and anterior delts, etc. **If it varies, tick all boxes that apply to you.**

- ☐ Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)
- ☐ Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)
- ☐ Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)
- ☐ Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)
- ☐ Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)
- ☐ Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)
- ☐ Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)
- ☐ Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)
- ☐ Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)

End of Block: The Bench Press

Start of Block: The Deadlift

Q4.1 **Within the last year, have your deadlift-focused lower-body training involved any of the following exercise selections or executions? Tick all boxes that apply to you.** For combinations of two or more variations (e.g., Romanian deadlifts against bands), tick all relevant boxes.

- ☐ Alternative stances (i.e. performing sumo if conventional is your competition variation and vice versa) (1)
- ☐ Use of specialty bars (i.e. deadlift bar, trap-bar/hex-bar etc.) (2)
- ☐ Slow(er) eccentric tempos (i.e. performing the deadlift with a purposely slower than normal lowering tempo) (3)
- ☐ Slow(er) concentric tempos (i.e. performing the deadlift with a purposely slower than normal lifting tempo) (4)
- ☐ Pause deadlift (i.e. deadlifts with a pause early in the lifting, aka. concentric, phase) (5)
- ☐ Block or rack pulls (i.e. deadlifts performed from pins or blocks to reduce range of motion) (6)
- ☐ Deficit deadlifts (i.e. deadlift performed standing on a podium to increase range of motion) (7)
- ☐ Wide-grip deadlifts (i.e. deadlift performed with a wider than usual grip width to increase range of motion) (8)
- ☐ Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise) (9)
- ☐ Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (10)
- ☐ Romanian or Stiff-Legged deadlifts (11)

☐ Floating deadlift (i.e. deadlifts performed on a podium, in which the bar is lowered to just above the floor, without contact, before lifting once again) (12)

☐ Goodmornings (i.e. hip hinges with a barbell or safety-bar on the back) (13)

☐ Unilateral hinges (i.e. variations of one-leg deadlifts) (14)

☐ Isolation exercises for the hamstrings, adductors, glutes and spinal erectors (i.e. leg curl, nordics, hip thrusts, back extensions, reverse hypers, seated hip adductions, Copenhagen adductor drills, glute-ham raises etc.) (15)

☐ ⊗ No, competition style deadlift is the only thing I do (17)

Q4.2 **How many sessions a week do you typically train the competition style deadlift?** Only competition-style execution of the deadlift counts. No variations of deadlift with regards to tempo, stance, changes in ROM, use of specialty bars etc. are included. **If it varies, tick all boxes that apply to you.**

- ☐ Zero times a week (8)
- ☐ Once a week (1)
- ☐ Twice a week (2)
- ☐ Thrice a week (3)
- ☐ Four times a week (4)
- ☐ Five times a week (5)
- ☐ Six times a week (6)
- ☐ Seven or more times a week (7)

Display this question:

If Q4.1 = Alternative stances (i.e. performing sumo if conventional is your competition variation and vice versa)

Or Q4.1 = Use of specialty bars (i.e. deadlift bar, trap-bar/hex-bar etc.)

Or Q4.1 = Slow(er) eccentric tempos (i.e. performing the deadlift with a purposely slower than normal lowering tempo)

Or Q4.1 = Slow(er) concentric tempos (i.e. performing the deadlift with a purposely slower than normal lifting tempo)

Or Q4.1 = Pause deadlift (i.e. deadlifts with a pause early in the lifting, aka. concentric, phase)

Or Q4.1 = Block or rack pulls (i.e. deadlifts performed from pins or blocks to reduce range of motion)

Or Q4.1 = Deficit deadlifts (i.e. deadlift performed standing on a podium to increase range of motion)

Or Q4.1 = Wide-grip deadlifts (i.e. deadlift performed with a wider than usual grip width to increase range of motion)

Or Q4.1 = Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise)

Or Q4.1 = Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase)

Or Q4.1 = Romanian or Stiff-Legged deadlifts

Or Q4.1 = Floating deadlift (i.e. deadlifts performed on a podium, in which the bar is lowered to just above the floor, without contact, before lifting once again)

Or Q4.1 = Goodmornings (i.e. hip hinges with a barbell or safety-bar on the back)

Q4.3 **How many sessions a week do you typically train a close derivative of deadlift?** Close-derivative means any deadlift pattern with a barbell that is not the same as your competition-style squat, i.e. any manipulation in tempo, stance, use of specialty bar or equipment, pauses, Romanian deadlift, stiff-legged deadlift etc. **If it varies, tick all boxes that apply to you.**

- ☐ Zero times a week (8)
- ☐ Once a week (1)
- ☐ Twice a week (2)
- ☐ Thrice a week (3)
- ☐ Four times a week (4)
- ☐ Five times a week (5)
- ☐ Six times a week (6)
- ☐ Seven or more times a week (7)

Display this question:

If Q4.1 = Unilateral hinges (i.e. variations of one-leg deadlifts)

Or Q4.1 = Isolation exercises for the hamstrings, adductors, glutes and spinal erectors (i.e. leg curl, nordics, hip thrusts, back extensions, reverse hypers, seated hip adductions, Copenhagen adductor drills, glute-ham raises etc.)

Q4.4 **How many sessions a week do you typically train assistance or isolation exercises for the hip extensors (i.e. adductors, glutes and hamstring)?** For example, hip thrust, leg curl, back extensions, reverse hypers, Nordics, glute-ham raises, seated adductions, Copenhagen adductor drills etc. **If it varies, tick all boxes that apply to you.**

- ☐ Zero times a week (8)
- ☐ Once a week (1)
- ☐ Twice a week (2)
- ☐ Thrice a week (3)
- ☐ Four times a week (4)
- ☐ Five times a week (5)
- ☐ Six times a week (6)
- ☐ Seven or more times a week (7)

Page Break

Q4.5 **How are your competition style deadlift typically programmed (warm-up sets and deload weeks not included)?** Only competition-style execution of the deadlift counts. No variations of deadlift with regards to tempo, stance, changes in ROM, use of specialty bars etc. are included. **If it varies, tick all boxes that apply to you.**

- [ ] Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)
- [ ] Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)
- [ ] Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)
- [ ] Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)
- [ ] Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)
- [ ] Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)
- [ ] Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)
- [ ] Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)
- [ ] Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)

Display this question:

If Q4.1 = Alternative stances (i.e. performing sumo if conventional is your competition variation and vice versa)

Or Q4.1 = Use of specialty bars (i.e. deadlift bar, trap-bar/hex-bar etc.)

Or Q4.1 = Slow(er) eccentric tempos (i.e. performing the deadlift with a purposely slower than normal lowering tempo)

Or Q4.1 = Slow(er) concentric tempos (i.e. performing the deadlift with a purposely slower than normal lifting tempo)

Or Q4.1 = Pause deadlift (i.e. deadlifts with a pause early in the lifting, aka. concentric, phase)

Or Q4.1 = Block or rack pulls (i.e. deadlifts performed from pins or blocks to reduce range of motion)

Or Q4.1 = Deficit deadlifts (i.e. deadlift performed standing on a podium to increase range of motion)

Or Q4.1 = Wide-grip deadlifts (i.e. deadlift performed with a wider than usual grip width to increase range of motion)

Or Q4.1 = Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise)

Or Q4.1 = Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase)

Or Q4.1 = Romanian or Stiff-Legged deadlifts

Or Q4.1 = Floating deadlift (i.e. deadlifts performed on a podium, in which the bar is lowered to just above the floor, without contact, before lifting once again)

Or Q4.1 = Goodmornings (i.e. hip hinges with a barbell or safety-bar on the back)

Q4.6 **How are your close derivates of the deadlift typically programmed (warm-up sets and deload weeks not included)?** Close-derivative means any deadlift pattern with a barbell that is not the same as your competition-style squat, i.e. any manipulation in tempo, stance, use of specialty bar or equipment, pauses, Romanian deadlift, stiff-legged deadlift etc. **If it varies, tick all boxes that apply to you.**

- [ ] Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)
- [ ] Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)
- [ ] Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)
- [ ] Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)
- [ ] Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)
- [ ] Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)
- [ ] Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)
- [ ] Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)
- [ ] Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)

Display this question:

If Q4.1 = Unilateral hinges (i.e. variations of one-leg deadlifts)

Or Q4.1 = Isolation exercises for the hamstrings, adductors, glutes and spinal erectors (i.e. leg curl, nordics, hip thrusts, back extensions, reverse hypers, seated hip adductions, Copenhagen adductor drills, glute-ham raises etc.)

Q4.7 **How are your non-barbell assistance or isolation exercises that target the hip extensors typically programmed (warm-up sets and deload weeks not included)?** For example, hip thrust, leg curl, back extensions, reverse hypers, Nordics, glute-ham raises, seated adductions, Copenhagen adductor drills etc. **If it varies, tick all boxes that apply to you.**

- ☐ Lower reps, higher RPEs (1-3 reps @RPE8.5 or higher) (1)
- ☐ Lower reps, moderate RPEs (1-3 reps @RPE6.5-8) (2)
- ☐ Lower reps, lower RPEs (1-3 reps @RPE6 or below) (3)
- ☐ Moderate reps, higher RPEs (4-7 reps @RPE8.5 or higher) (4)
- ☐ Moderate reps, moderate RPEs (4-7 reps @RPE6.5-8) (5)
- ☐ Moderate reps, lower RPEs (4-7 reps @RPE6 or below) (6)
- ☐ Higher reps, higher RPEs (8 or more reps @RPE8.5 or higher) (7)
- ☐ Higher reps, moderate RPEs (8 or more reps @RPE6.5-8) (8)
- ☐ Higher reps, lower RPEs (8 or more reps @RPE6 or below) (9)

End of Block: The Deadlift

Start of Block: Periodisation and exercise selection

Q5.1 **Is the frequency, volume, intensity and proximity-to-failure of your competition lifts affected by how close to competition you are (NOT including the last 1-2 weeks before competition, i.e., the taper)? If yes, how?** Back squat, bench press and deadlift as performed in competition. **Please tick all boxes that apply to you. Otherwise, leave blank.**

- ☐ Yes. I perform MORE weekly sessions and/or weekly sets of the competition lifts as I approach competition. (1)
- ☐ Yes. I perform LESS weekly sessions and/or weekly sets of the competition lifts as I approach competition. (2)
- ☐ Yes. I perform the competition lifts with HIGHER intensities (% of 1RM) as I approach competition. (15)
- ☐ Yes. I perform the competition lifts with LOWER intensities (% of 1RM) as I approach competition. (16)
- ☐ Yes. I perform the competition lifts with HIGHER RPEs as I approach competition. (20)
- ☐ Yes. I perform the competition lifts with LOWER RPEs as I approach competition. (19)
- ☐ ⊗ No. How my competition lifts are programmed are not affected by how close I am to a competition. (27)
- ☐ ⊗ I don't know. (25)

Display this question:

If Q2.1 = Alternative bar placements (i.e. high bar or front squat, if low bar is your competition variant)

Or Q2.1 = Alternative stances (i.e. purposely squatting with a wider and/or narrower stance than your competition lift)

Or Q2.1 = Use of specialty bars (i.e. safety-bar, cambered bar etc.)

Or Q2.1 = Use of specialty bars (i.e. safety-bar, cambered bar etc.)

Or Q2.1 = Slow(er) eccentric tempos (i.e. performing the squat with a purposely slower than normal lowering tempo)

Or Q2.1 = Slow(er) concentric tempos (i.e. performing the squat with a purposely slower than normal lifting tempo)

Or Q2.1 = Pause squats (i.e. squats with a pause in the bottom position)

Or Q2.1 = Pin squats (i.e. pause squats where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed)

Or Q2.1 = Partial range of motion squats (i.e. squats where depth is purposely reduced to less than competition depth)

Or Q2.1 = Box squats (i.e. squats performed to a box)

Or Q2.1 = Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise)

Or Q2.1 = Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase)

Or Q2.1 = Heel elevation (i.e. using slant boards or plates to elevate the heels)

Or Q3.1 = Alternative grip widths (i.e. purposely gripping the bar closer or wider than your competition grip width)

Or Q3.1 = Alternative pressing angles (i.e. purposely pressing at different angles like incline and decline)

Or Q3.1 = Use of specialty bars (i.e. football bar, swiss bar, cambered bar etc.)

Or Q3.1 = Slow(er) eccentric tempos (i.e. performing the bench press with a purposely slower than normal lowering tempo)

Or Q3.1 = Slow(er) concentric tempos (i.e. performing the bench press with a purposely slower than normal lifting tempo)

Or Q3.1 = Touch and go bench press (i.e. bench press without a competition pause on the chest)

Or Q3.1 = Long-paused bench press (i.e. bench press with a longer than normal pause on the chest)

Or Q3.1 = Pin press (i.e. bench press where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed)

Or Q3.1 = Spoto press (i.e. bench press where depth is purposely reduced to less than competition depth without making contact with the chest)

Or Q3.1 = Bench press without leg drive (i.e. Larsen press or feet-up bench press)

Or Q3.1 = Accommodating resistance (i.e. using a slingshot, and/or band/chain resistance to change the resistance curve of the exercise)

Or Q3.1 = Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase)

Or Q3.1 = Board press (i.e. bench press to a board or box, reducing range of motion)

Or Q4.1 = Alternative stances (i.e. performing sumo if conventional is your competition variation and vice versa)

Or Q4.1 = Use of specialty bars (i.e. deadlift bar, trap-bar/hex-bar etc.)

Or Q4.1 = Slow(er) eccentric tempos (i.e. performing the deadlift with a purposely slower than normal lowering tempo)

Or Q4.1 = Slow(er) concentric tempos (i.e. performing the deadlift with a purposely slower than normal lifting tempo)

Or Q4.1 = Pause deadlift (i.e. deadlifts with a pause early in the lifting, aka. concentric, phase)

Or Q4.1 = Block or rack pulls (i.e. deadlifts performed from pins or blocks to reduce range of motion)

Or Q4.1 = Deficit deadlifts (i.e. deadlift performed standing on a podium to increase range of motion)

Or Q4.1 = Wide-grip deadlifts (i.e. deadlift performed with a wider than usual grip width to increase range of motion)

Or Q4.1 = Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise)

Or Q4.1 = Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase)

Or Q4.1 = Romanian or Stiff-Legged deadlifts

Or Q4.1 = Floating deadlift (i.e. deadlifts performed on a podium, in which the bar is lowered to just above the floor, without contact, before lifting once again)

Or Q4.1 = Goodmornings (i.e. hip hinges with a barbell or safety-bar on the back)

Q5.2 **Is the frequency, volume, intensity and proximity-to-failure of your close derivatives affected by how close to competition you are (NOT including the last 1-2 weeks before competition, i.e., the taper)? If yes, how?** Close-derivative means any squat, bench press or deadlift pattern with

a barbell that is not the same as your competition lifts, i.e. any manipulation in tempo, stance, grips use of specialty bar or equipment, pauses, etc. **Please tick all boxes that apply to you. Otherwise, leave blank.**

- ☐ Yes. I perform MORE weekly sessions and/or weekly sets of close derivatives as I approach competition. (1)
- ☐ Yes. I perform LESS weekly sessions and/or weekly sets of close derivatives as I approach competition. (2)
- ☐ Yes. I perform close derivatives with HIGHER intensities (% of 1RM) as I approach competition. (15)
- ☐ Yes. I perform close derivatives with LOWER intensities (% of 1RM) as I approach competition. (16)
- ☐ Yes. I perform close derivatives with HIGHER RPEs as I approach competition. (19)
- ☐ Yes. I perform close derivatives with LOWER RPEs as I approach competition. (20)
- ☐ ⊗ No. How my close derivatives of the main lifts are programmed are not affected by how close I am to a competition. (27)
- ☐ ⊗ I don't know. (25)

Display this question:

If Q2.1 = Non-barbell squats (i.e. belt squat, smith-rack squat, hack squat, leg press, goblet squats etc.)

Or Q2.1 = Unilateral squats (i.e. variations of lunges, split squats and step-ups)

Or Q2.1 = Isolation exercises for the knee extensors (i.e. leg extensions, reverse nordics, sissy squats etc.)

Or Q2.1 = Isolation exercises for the hip extensors (i.e. hip thrusts, back extensions, seated hip adductions, Copenhagen adductor drills etc.)

Or Q3.1 = Non-barbell pressing (i.e. smith-rack pressing, dumbbell pressing at various angles, machine chest press etc.)

Or Q3.1 = Bodyweight pressing (i.e. variations of dips and push ups)

Or Q3.1 = Isolation exercises for the elbow extensors (i.e. different types of triceps extensions)

Or Q3.1 = Isolation exercises for the chest and anterior shoulder (i.e. chest flies, front raises etc.)

Or Q4.1 = Unilateral hinges (i.e. variations of one-leg deadlifts)

Or Q4.1 = Isolation exercises for the hamstrings, adductors, glutes and spinal erectors (i.e. leg curl, nordics, hip thrusts, back extensions, reverse hypers, seated hip adductions, Copenhagen adductor drills, glute-ham raises etc.)

Q5.3 **Is the frequency, volume, intensity and proximity-to-failure of your non-barbell assistance and/or isolation exercises affected by how close to competition you are (NOT including the last 1-2 weeks before competition, i.e., the taper)? If yes, how?** For example, any non-barbell movement targeting the quads, hip extensors, pecs, anterior shoulders and triceps. **Please tick all boxes that apply to you. Otherwise, leave blank.**

- ☐ (1) Yes. I perform MORE weekly sessions and/or weekly sets of non-barbell assistance and/or isolation exercises as I approach competition.
- ☐ (2) Yes. I perform LESS weekly sessions and/or weekly sets of non-barbell assistance and/or isolation exercises as I approach competition.
- ☐ Yes. I perform non-barbell assistance and/or isolation exercises with HIGHER intensities (% of 1RM) as I approach competition. (15)
- ☐ Yes. I perform non-barbell assistance and/or isolation exercises with LOWER intensities (% of 1RM) as I approach competition. (16)
- ☐ Yes. I perform non-barbell assistance and/or isolation exercises with HIGHER RPEs as I approach competition. (19)
- ☐ Yes. I perform non-barbell assistance and/or isolation exercises with LOWER RPEs as I approach competition. (20)
- ☐ (27) ⊗ No. How my non-barbell assistance and/or isolation exercises are programmed are not affected by how close I am to a competition.
- ☐ ⊗ I don't know. (25)

Page Break

Display this question:

If Q2.1 != No, competition style back squat is the only thing I do

Q5.4 **Is the specific choice of exercises for your squat affected by how close you are to competition (NOT including the competition squat)?**

- ○ Yes. I perform some squat-related exercises more or less as I approach competition. (1)
- ○ No. The specific type of squat-related exercises is not affected by how close I am to a competition. (2)
- ○ I don't know. (3)

Display this question:

If Q5.4 = Yes. I perform some squat-related exercises more or less as I approach competition.

Carry Forward Selected Choices from "Q2.1"



Q5.5 **You answered that the inclusion of some exercises related to your squat is affected by competition schedule. Which specific exercises do you typically perform as you get closer to competition, relative to further away from competition? Please tick all boxes that apply to you. If non apply, leave blank.**

- ☐ Alternative bar placements (i.e. high bar or front squat, if low bar is your competition variant) (1)
- ☐ Alternative stances (i.e. purposely squatting with a wider and/or narrower stance than your competition lift) (2)
- ☐ Use of specialty bars (i.e. safety-bar, cambered bar etc.) (3)
- ☐ Slow(er) eccentric tempos (i.e. performing the squat with a purposely slower than normal lowering tempo) (4)
- ☐ Slow(er) concentric tempos (i.e. performing the squat with a purposely slower than normal lifting tempo) (5)
- ☐ Pause squats (i.e. squats with a pause in the bottom position) (6)
- ☐ Pin squats (i.e. pause squats where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed) (7)
- ☐ Partial range of motion squats (i.e. squats where depth is purposely reduced to less than competition depth) (8)
- ☐ Box squats (i.e. squats performed to a box) (9)
- ☐ Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise) (10)

☐ Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (11)

☐ Heel elevation (i.e. using slant boards or plates to elevate the heels) (12)

☐ Non-barbell squats (i.e. belt squat, smith-rack squat, hack squat, leg press, goblet squats etc.) (13)

☐ Unilateral squats (i.e. variations of lunges, split squats and step-ups) (14)

☐ Isolation exercises for the knee extensors (i.e. leg extensions, reverse nordics, sissy squats etc.) (15)

☐ Isolation exercises for the hip extensors (i.e. hip thrusts, back extensions, seated hip adductions, Copenhagen adductor drills etc.) (16)

☐ ⊗ No, competition style back squat is the only thing I do (17)

Display this question:

If Q5.4 = Yes. I perform some squat-related exercises more or less as I approach competition.

Carry Forward Unselected Choices from "Q5.5"

Q5.6 **Which specific exercises do you typically perform further away from competition, relative to when you are close to a competition? Please tick all boxes that apply to you. If non apply, leave blank.**

- ☐ Alternative bar placements (i.e. high bar or front squat, if low bar is your competition variant) (1)
- ☐ Alternative stances (i.e. purposely squatting with a wider and/or narrower stance than your competition lift) (2)
- ☐ Use of specialty bars (i.e. safety-bar, cambered bar etc.) (3)
- ☐ Slow(er) eccentric tempos (i.e. performing the squat with a purposely slower than normal lowering tempo) (4)
- ☐ Slow(er) concentric tempos (i.e. performing the squat with a purposely slower than normal lifting tempo) (5)
- ☐ Pause squats (i.e. squats with a pause in the bottom position) (6)
- ☐ Pin squats (i.e. pause squats where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed) (7)
- ☐ Partial range of motion squats (i.e. squats where depth is purposely reduced to less than competition depth) (8)
- ☐ Box squats (i.e. squats performed to a box) (9)
- ☐ Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise) (10)
- ☐ Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (11)

- [ ] Heel elevation (i.e. using slant boards or plates to elevate the heels) (12)
- [ ] Non-barbell squats (i.e. belt squat, smith-rack squat, hack squat, leg press, goblet squats etc.) (13)
- [ ] Unilateral squats (i.e. variations of lunges, split squats and step-ups) (14)
- [ ] Isolation exercises for the knee extensors (i.e. leg extensions, reverse nordics, sissy squats etc.) (15)
- [ ] Isolation exercises for the hip extensors (i.e. hip thrusts, back extensions, seated hip adductions, Copenhagen adductor drills etc.) (16)
- [ ] ⊗ No, competition style back squat is the only thing I do (17)

Page Break

Display this question:

If Q3.1 != No, competition style bench press is the only thing I do

Q5.7 **Is the specific choice of exercises for your bench press affected by how close you are to competition (NOT including the competition bench press)?**

- ○ Yes. I perform some bench press-related exercises more or less as I approach competition. (1)
- ○ No. The specific type of bench press-related exercises is not affected by how close I am to a competition. (2)
- ○ I don't know. (3)

Display this question:

If Q5.7 = Yes. I perform some bench press-related exercises more or less as I approach competition.

Carry Forward Selected Choices from "Q3.1"

Q5.8 **You answered that the inclusion of some exercises related to your bench press is affected by competition schedule. Which specific exercises do you typically perform as you get closer to competition, relative to further away from competition? Please tick all boxes that apply to you. If non apply, leave blank.**

- ☐ Alternative grip widths (i.e. purposely gripping the bar closer or wider than your competition grip width) (1)
- ☐ Alternative pressing angles (i.e. purposely pressing at different angles like incline and decline) (2)
- ☐ Use of specialty bars (i.e. football bar, swiss bar, cambered bar etc.) (3)
- ☐ Slow(er) eccentric tempos (i.e. performing the bench press with a purposely slower than normal lowering tempo) (4)
- ☐ Slow(er) concentric tempos (i.e. performing the bench press with a purposely slower than normal lifting tempo) (5)
- ☐ Touch and go bench press (i.e. bench press without a competition pause on the chest) (6)
- ☐ Long-paused bench press (i.e. bench press with a longer than normal pause on the chest) (7)
- ☐ Pin press (i.e. bench press where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed) (8)
- ☐ Spoto press (i.e. bench press where depth is purposely reduced to less than competition depth without making contact with the chest) (9)
- ☐ Bench press without leg drive (i.e. Larsen press or feet-up bench press) (10)
- ☐ Accommodating resistance (i.e. using a slingshot, and/or band/chain resistance to change the resistance curve of the exercise) (11)

☐ Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (12)

☐ Board press (i.e. bench press to a board or box, reducing range of motion) (13)

☐ Non-barbell pressing (i.e. smith-rack pressing, dumbbell pressing at various angles, machine chest press etc.) (14)

☐ Bodyweight pressing (i.e. variations of dips and push ups) (15)

☐ Isolation exercises for the elbow extensors (i.e. different types of triceps extensions) (16)

☐ Isolation exercises for the chest and anterior shoulder (i.e. chest flies, front raises etc.) (17)

☐ ⊗ No, competition style bench press is the only thing I do (18)

Display this question:

If Q5.7 = Yes. I perform some bench press-related exercises more or less as I approach competition.

Carry Forward Unselected Choices from "Q5.8"

Q5.9 **Which specific exercises do you typically perform further away from competition, relative to when you are close to a competition? Please tick all boxes that apply to you. If non apply, leave blank.**

- ☐ Alternative grip widths (i.e. purposely gripping the bar closer or wider than your competition grip width) (1)
- ☐ Alternative pressing angles (i.e. purposely pressing at different angles like incline and decline) (2)
- ☐ Use of specialty bars (i.e. football bar, swiss bar, cambered bar etc.) (3)
- ☐ Slow(er) eccentric tempos (i.e. performing the bench press with a purposely slower than normal lowering tempo) (4)
- ☐ Slow(er) concentric tempos (i.e. performing the bench press with a purposely slower than normal lifting tempo) (5)
- ☐ Touch and go bench press (i.e. bench press without a competition pause on the chest) (6)
- ☐ Long-paused bench press (i.e. bench press with a longer than normal pause on the chest) (7)
- ☐ Pin press (i.e. bench press where the bar lies motionless on safety-pins in the bottom position before the lifting phase is performed) (8)
- ☐ Spoto press (i.e. bench press where depth is purposely reduced to less than competition depth without making contact with the chest) (9)
- ☐ Bench press without leg drive (i.e. Larsen press or feet-up bench press) (10)
- ☐ Accommodating resistance (i.e. using a slingshot, and/or band/chain resistance to change the resistance curve of the exercise) (11)

☐ Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (12)

☐ Board press (i.e. bench press to a board or box, reducing range of motion) (13)

☐ Non-barbell pressing (i.e. smith-rack pressing, dumbbell pressing at various angles, machine chest press etc.) (14)

☐ Bodyweight pressing (i.e. variations of dips and push ups) (15)

☐ Isolation exercises for the elbow extensors (i.e. different types of triceps extensions) (16)

☐ Isolation exercises for the chest and anterior shoulder (i.e. chest flies, front raises etc.) (17)

☒ No, competition style bench press is the only thing I do (18)

Page Break

Display this question:

If Q4.1 != No, competition style deadlift is the only thing I do

Q5.10 **Is the specific choice of exercises for your deadlift affected by how close you are to competition (NOT including the competition deadlift)?**

- ○ Yes. I perform some deadlift-related exercises more or less as I approach competition. (1)
- ○ No. The specific type of deadlift-related exercises is not affected by how close I am to a competition. (2)
- ○ I don't know. (3)

Display this question:

If Q5.10 = Yes. I perform some deadlift-related exercises more or less as I approach competition.

Carry Forward Selected Choices from "Q4.1"

Q5.11 **You answered that the inclusion of some exercises related to your deadlift is affected by competition schedule. Which specific exercises do you typically perform as you get closer to competition, relative to further away from competition? Please tick all boxes that apply to you. If non apply, leave blank.**

- ☐ Alternative stances (i.e. performing sumo if conventional is your competition variation and vice versa) (1)
- ☐ Use of specialty bars (i.e. deadlift bar, trap-bar/hex-bar etc.) (2)
- ☐ Slow(er) eccentric tempos (i.e. performing the deadlift with a purposely slower than normal lowering tempo) (3)
- ☐ Slow(er) concentric tempos (i.e. performing the deadlift with a purposely slower than normal lifting tempo) (4)
- ☐ Pause deadlift (i.e. deadlifts with a pause early in the lifting, aka. concentric, phase) (5)
- ☐ Block or rack pulls (i.e. deadlifts performed from pins or blocks to reduce range of motion) (6)
- ☐ Deficit deadlifts (i.e. deadlift performed standing on a podium to increase range of motion) (7)
- ☐ Wide-grip deadlifts (i.e. deadlift performed with a wider than usual grip width to increase range of motion) (8)
- ☐ Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise) (9)
- ☐ Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (10)

☐ Romanian or Stiff-Legged deadlifts (11)

☐ Floating deadlift (i.e. deadlifts performed on a podium, in which the bar is lowered to just above the floor, without contact, before lifting once again) (12)

☐ Goodmornings (i.e. hip hinges with a barbell or safety-bar on the back) (13)

☐ Unilateral hinges (i.e. variations of one-leg deadlifts) (14)

☐ Isolation exercises for the hamstrings, adductors, glutes and spinal erectors (i.e. leg curl, nordics, hip thrusts, back extensions, reverse hypers, seated hip adductions, Copenhagen adductor drills, glute-ham raises etc.) (15)

☐ ⊗ No, competition style deadlift is the only thing I do (16)

Display this question:

If Q5.10 = Yes. I perform some deadlift-related exercises more or less as I approach competition.

Carry Forward Unselected Choices from "Q5.11"

X→

Q5.12 **Which specific exercises do you typically perform further away from competition, relative to when you are close to a competition? Please tick all boxes that apply to you. If non apply, leave blank.**

- ☐ Alternative stances (i.e. performing sumo if conventional is your competition variation and vice versa) (1)
- ☐ Use of specialty bars (i.e. deadlift bar, trap-bar/hex-bar etc.) (2)
- ☐ Slow(er) eccentric tempos (i.e. performing the deadlift with a purposely slower than normal lowering tempo) (3)
- ☐ Slow(er) concentric tempos (i.e. performing the deadlift with a purposely slower than normal lifting tempo) (4)
- ☐ Pause deadlift (i.e. deadlifts with a pause early in the lifting, aka. concentric, phase) (5)
- ☐ Block or rack pulls (i.e. deadlifts performed from pins or blocks to reduce range of motion) (6)
- ☐ Deficit deadlifts (i.e. deadlift performed standing on a podium to increase range of motion) (7)
- ☐ Wide-grip deadlifts (i.e. deadlift performed with a wider than usual grip width to increase range of motion) (8)
- ☐ Accommodating resistance (i.e. using band and/or chain resistance to change the resistance curve of the exercise) (9)
- ☐ Eccentric overload (i.e. using spotters, eccentric hooks or other specialized equipment to handle more load in the lowering phase, relative to the lifting phase) (10)
- ☐ Romanian or Stiff-Legged deadlifts (11)

☐ Floating deadlift (i.e. deadlifts performed on a podium, in which the bar is lowered to just above the floor, without contact, before lifting once again) (12)

☐ Goodmornings (i.e. hip hinges with a barbell or safety-bar on the back) (13)

☐ Unilateral hinges (i.e. variations of one-leg deadlifts) (14)

☐ Isolation exercises for the hamstrings, adductors, glutes and spinal erectors (i.e. leg curl, nordics, hip thrusts, back extensions, reverse hypers, seated hip adductions, Copenhagen adductor drills, glute-ham raises etc.) (15)

☐ ⊗ No, competition style deadlift is the only thing I do (16)

End of Block: Periodisation and exercise selection

Supplemental Digital Content 3

The effect of weight class on programming practices is of particular interest, as physical stature may influence movement mechanics and, consequently, training responses. Many powerlifters recognise that weight class is largely determined by height, under the assumption that most aim to maximise fat-free mass within their category. However, due to sex differences in bone structure (both height and width) and body composition, males and females of the same height may not weigh the same. To investigate these differences, we reviewed the literature on sex-based variations in body dimensions among powerlifters. To our knowledge, three studies have directly compared the body dimensions of male and female powerlifters (20,22,58). We extracted their data and calculated a weighted mean relative to sample size. See results below.

	Height (m)	**Body mass (kg)**	**Body mass / height ratio**
Men			
Palma-Lafourcade et al. (2019)			
n = 40	1.71	84.9	49.6
Ferland et al. (2020)			
n = 9	1.76	93.5	53.1
Ferland et al. (2023)			
n = 21	1.74	92.2	53.0
Women			
Palma-Lafourcade et al. (2019)			
n = 16	1.59	56.5	35.5
Ferland et al. (2020)			
n = 6	1.65	80.7	48.9
Ferland et al. (2023)			
n = 13	1.63	71.0	43.6
Weighted mean difference (*n = 105*)	33.6%	6.8%	25.2%

As such, to equalise women's and men's weight classes, based on the weight mean body mass to height ratio (25.2%), we estimated the following:

- The average height of the women's 47kg equals the average height of a 58.8kg men's lifter.
- The average height of the women's 52kg equals the average height of a 65.1kg men's lifter.
- The average height of the women's 57kg equals the average height of a 71.4kg men's lifter.
- The average height of the women's 63kg equals the average height of a 78.9kg men's lifter.
- The average height of the women's 69kg equals the average height of a 86.4kg men's lifter.
- The average height of the women's 76kg equals the average height of a 95.1kg men's lifter.
- The average height of the women's 84kg equals the average height of a 105.2kg men's lifter.

Ultimately, weight classes were divided into three categories:

- Lightweight
    - Women's 47-63kg weight class
    - Men's 59-74kg weight class
- Middleweight
    - Women's 69-76kg weight class
    - Men's 83-93kg weight class
- Heavyweight
    - Women's under and over 84kg weight
    - Men's under 105-120 and over 120kg weight class.

Supplemental Digital Content 4

Continuous models – Model summaries

RT	Comp SQ	SQ variations	SQ accessories	Comp BP
Family: gaussian Links: mu = identity; sigma = identity Formula: Q1.10 ~ sex + division + age + weight_class + glp + pl_exp + rt_exp + (1 | ResponseId) Data: model.data (Number of observations: 663) Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1; total post-warmup draws = 16000 Multilevel Hyperparameters: ~ResponseId (Number of levels: 534) Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sd(Intercept) 0.23 0.10 0.03 0.39 1.00 1452 2258 Regression Coefficients: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS Intercept 3.93 0.21 3.53 4.33 1.00 12395 12037 sexMale 0.06 0.08 -0.11 0.21 1.00 16317 12812 divisionRaw 0.11 0.19 -0.26 0.49 1.00 17584 11022 age.L -0.13 0.10 -0.33 0.06 1.00 18210 12318 age.Q -0.03 0.06 -0.15 0.10 1.00 18775 13063 weight_class.L -0.08 0.07 -0.22 0.05 1.00 17477 12530 weight_class.Q -0.18 0.06 -0.29 -0.07 1.00 19026 12557 glp.L 0.37 0.26 -0.15 0.88 1.00 14796 12177 glp.Q -0.46 0.23 -0.91 -0.02 1.00 15601 13266 glp.C -0.32 0.21 -0.73 0.10 1.00 14459 12774 glpE4 0.01 0.21 -0.40 0.42 1.00 13746 13139	Family: gaussian Links: mu = identity; sigma = identity Formula: Q2.2 ~ sex + division + age + weight_class + glp + pl_exp + rt_exp + (1 | ResponseId) Data: model.data (Number of observations: 663) Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1; total post-warmup draws = 16000 Multilevel Hyperparameters: ~ResponseId (Number of levels: 533) Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sd(Intercept) 0.08 0.06 0.01 0.23 1.00 3169 5010 Regression Coefficients: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS Intercept 1.54 0.17 1.20 1.88 1.00 17660 13449 sexMale 0.05 0.07 -0.09 0.19 1.00 26471 13645 divisionRaw -0.03 0.16 -0.34 0.28 1.00 25512 12504 age.L -0.14 0.09 -0.31 0.03 1.00 27217 13254 age.Q -0.04 0.06 -0.15 0.08 1.00 31478 13096 weight_class.L -0.10 0.06 -0.22 0.01 1.00 26149 11617 weight_class.Q -0.01 0.05 -0.11 0.09 1.00 26869 12461 glp.L 0.11 0.23 -0.35 0.56 1.00 20148 13702 glp.Q 0.14 0.20 -0.26 0.54 1.00 20630 13890 glp.C 0.21 0.19 -0.17 0.59 1.00 18096 13209	Family: gaussian Links: mu = identity; sigma = identity Formula: Q2.3 ~ sex + division + age + weight_class + glp + pl_exp + rt_exp + (1 | ResponseId) Data: model.data (Number of observations: 602) Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1; total post-warmup draws = 16000 Multilevel Hyperparameters: ~ResponseId (Number of levels: 499) Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sd(Intercept) 0.28 0.12 0.02 0.48 1.00 964 2110 Regression Coefficients: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS Intercept 1.64 0.21 1.22 2.06 1.00 12344 11595 sexMale -0.11 0.09 -0.27 0.06 1.00 16681 13152 divisionRaw -0.02 0.20 -0.41 0.36 1.00 17052 12578 age.L -0.04 0.11 -0.25 0.17 1.00 16839 12029 age.Q 0.06 0.07 -0.07 0.20 1.00 18516 12842 weight_class.L -0.22 0.07 -0.36 -0.08 1.00 16592 12660 weight_class.Q 0.07 0.06 -0.06 0.19 1.00 18462 11875 glp.L 0.03 0.28 -0.52 0.60 1.00 15450 12442 glp.Q -0.13 0.24 -0.60 0.35 1.00 16289 13075 glp.C -0.00 0.23 -0.45 0.44 1.00 14084 12391	Family: gaussian Links: mu = identity; sigma = identity Formula: Q2.4 ~ sex + division + age + weight_class + glp + pl_exp + rt_exp + (1 | ResponseId) Data: model.data (Number of observations: 572) Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1; total post-warmup draws = 16000 Multilevel Hyperparameters: ~ResponseId (Number of levels: 479) Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sd(Intercept) 0.28 0.11 0.03 0.45 1.01 843 1467 Regression Coefficients: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS Intercept 1.40 0.21 1.00 1.81 1.00 12009 11738 sexMale -0.08 0.08 -0.24 0.08 1.00 15815 13156 divisionRaw 0.25 0.19 -0.13 0.63 1.00 17129 13762 age.L -0.14 0.10 -0.34 0.06 1.00 15560 12284 age.Q 0.00 0.06 -0.12 0.13 1.00 17175 12368 weight_class.L -0.02 0.07 -0.15 0.12 1.00 15234 12930 weight_class.Q -0.06 0.06 -0.17 0.06 1.00 16375 13453 glp.L 0.05 0.28 -0.50 0.58 1.00 12238 11697 glp.Q 0.14 0.24 -0.35 0.61 1.00 12814 11493 glp.C 0.04 0.22 -0.40 0.47 1.00 10853 12427	Family: gaussian Links: mu = identity; sigma = identity Formula: Q3.2 ~ sex + division + age + weight_class + glp + pl_exp + rt_exp + (1 | ResponseId) Data: model.data (Number of observations: 564) Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1; total post-warmup draws = 16000 Multilevel Hyperparameters: ~ResponseId (Number of levels: 430) Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sd(Intercept) 0.79 0.07 0.64 0.92 1.00 2032 3504 Regression Coefficients: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS Intercept 2.17 0.33 1.52 2.81 1.00 9967 11776 sexMale 0.22 0.13 -0.04 0.48 1.00 11396 12235 divisionRaw 0.14 0.31 -0.47 0.76 1.00 11566 12213 age.L -0.20 0.15 -0.50 0.11 1.00 11805 12728 age.Q -0.00 0.10 -0.20 0.19 1.00 11290 12322 weight_class.L -0.28 0.11 -0.49 -0.06 1.00 10812 12569 weight_class.Q 0.04 0.09 -0.14 0.23 1.00 12000 13317 glp.L 0.94 0.42 0.11 1.77 1.00 11341 12638 glp.Q 0.37 0.35 -0.31 1.06 1.00 12292 12347 glp.C -0.01 0.33 -0.68 0.65 1.00 11641 12286

| | | |

rt_expE5 0.19 0.24 -0.29 0.66 1.00 4898 8207 rt_expE6 0.12 0.18 -0.23 0.46 1.00 6625 9886 rt_expE7 -0.11 0.14 -0.38 0.17 1.00 10406 10958 rt_expE8 -0.23 0.12 -0.47 0.01 1.00 15682 12401 rt_expE9 -0.03 0.12 -0.25 0.19 1.00 20764 13000 rt_expE10 0.04 0.11 -0.18 0.26 1.00 21202 12291 Further Distributional Parameters: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sigma 0.79 0.03 0.72 0.86 1.00 2268 6430 Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS and Tail_ESS are effective sample size measures, and Rhat is the potential scale reduction factor on split chains (at convergence, Rhat = 1). Autocorrelation: Lag_1 Lag_5 Lag_10 b_Intercept -0.071 0.017 0.017 b_sexMale -0.123 0.010 -0.002 b_divisionRaw -0.140 0.004 0.016 b_age.L -0.127 0.003 0.002 b_weight_class.L -0.134 -0.004 -0.005 b_glp.L -0.065 0.007 -0.006 b_pl_exp.L -0.105 0.007 -0.002 b_rt_exp.L 0.415 0.065 0.001 sigma 0.362 0.227 0.104	rt_expE4 -0.20 0.29 -0.76 0.36 1.00 5881 8697 rt_expE5 0.16 0.21 -0.26 0.58 1.00 6401 9434 rt_expE6 -0.09 0.15 -0.39 0.21 1.00 8478 11467 rt_expE7 -0.11 0.12 -0.35 0.12 1.00 13893 12342 rt_expE8 -0.01 0.10 -0.22 0.19 1.00 22923 12534 rt_expE9 0.03 0.10 -0.16 0.23 1.00 29466 12368 rt_expE10 0.03 0.10 -0.16 0.23 1.00 31431 11806 Further Distributional Parameters: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sigma 0.73 0.02 0.69 0.78 1.00 11260 8330 Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS and Tail_ESS are effective sample size measures, and Rhat is the potential scale reduction factor on split chains (at convergence, Rhat = 1). Autocorrleation: Lag_1 Lag_5 Lag_10 b_Intercept -0.194 -0.009 0.008 b_sexMale -0.266 -0.011 0.001 b_divisionRaw -0.287 -0.003 -0.002 b_age.L -0.264 -0.019 0.006 b_weight_class.L -0.291 -0.013 0.003 b_glp.L -0.171 -0.026 -0.008 b_pl_exp.L -0.253 0.005 -0.004 b_rt_exp.L 0.343 0.017 0.003 sigma -0.207 0.030 -0.005	rt_expE4 0.11 0.33 -0.53 0.75 1.00 4566 7811 rt_expE5 -0.18 0.25 -0.67 0.29 1.00 5040 8576 rt_expE6 0.16 0.18 -0.20 0.52 1.00 6772 10175 rt_expE7 -0.10 0.15 -0.38 0.19 1.00 10722 11708 rt_expE8 0.00 0.13 -0.25 0.25 1.00 14575 12298 rt_expE9 -0.01 0.12 -0.25 0.22 1.00 17641 11854 rt_expE10 0.06 0.12 -0.17 0.29 1.00 19261 12695 Further Distributional Parameters: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sigma 0.78 0.04 0.69 0.86 1.00 1256 3729 Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS and Tail_ESS are effective sample size measures, and Rhat is the potential scale reduction factor on split chains (at convergence, Rhat = 1). Autocorrelation: Lag_1 Lag_5 Lag_10 b_Intercept -0.069 0.028 -0.005 b_sexMale -0.113 0.004 0.002 b_divisionRaw -0.143 0.018 -0.004 b_age.L -0.105 0.015 -0.005 b_weight_class.L -0.127 0.000 0.008 b_glp.L -0.062 -0.008 0.015 b_pl_exp.L -0.110 0.021 0.000 b_rt_exp.L 0.420 0.062 0.021 sigma 0.607 0.395 0.232	rt_expE4 -0.28 0.31 -0.89 0.31 1.00 4152 7066 rt_expE5 0.26 0.23 -0.19 0.72 1.00 4698 7983 rt_expE6 -0.07 0.17 -0.41 0.27 1.00 6111 9740 rt_expE7 0.16 0.14 -0.11 0.43 1.00 9736 11808 rt_expE8 -0.28 0.12 -0.52 -0.04 1.00 15309 12932 rt_expE9 0.02 0.11 -0.20 0.24 1.00 15814 12476 rt_expE10 -0.03 0.11 -0.25 0.19 1.00 17075 11489 Further Distributional Parameters: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sigma 0.72 0.04 0.64 0.80 1.00 1046 3712 Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS and Tail_ESS are effective sample size measures, and Rhat is the potential scale reduction factor on split chains (at convergence, Rhat = 1). Autocorrelation: Lag_1 Lag_5 Lag_10 b_Intercept -0.020 0.010 -0.012 b_sexMale -0.044 -0.003 0.006 b_divisionRaw -0.094 -0.013 -0.010 b_age.L -0.045 -0.004 -0.012 b_weight_class.L -0.060 0.003 -0.008 b_glp.L 0.034 0.003 0.028 b_pl_exp.L -0.023 -0.005 0.005 b_rt_exp.L 0.459 0.073 0.008 sigma 0.586 0.393 0.223	rt_expE4 -0.60 0.46 -1.49 0.30 1.00 5233 8581 rt_expE5 0.41 0.35 -0.27 1.09 1.00 5224 8863 rt_expE6 -0.15 0.26 -0.66 0.37 1.00 6501 9353 rt_expE7 -0.11 0.21 -0.53 0.31 1.00 9104 11911 rt_expE8 -0.24 0.19 -0.62 0.13 1.00 11975 12064 rt_expE9 0.09 0.19 -0.28 0.46 1.00 12077 13020 rt_expE10 -0.06 0.18 -0.41 0.29 1.00 12697 12878 Further Distributional Parameters: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sigma 0.84 0.05 0.74 0.95 1.00 2105 3723 Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS and Tail_ESS are effective sample size measures, and Rhat is the potential scale reduction factor on split chains (at convergence, Rhat = 1). Autocorrelation: Lag_1 Lag_5 Lag_10 b_Intercept 0.128 0.008 -0.003 b_sexMale 0.103 0.005 -0.001 b_divisionRaw 0.112 0.001 -0.006 b_age.L 0.097 -0.013 0.003 b_weight_class.L 0.096 0.010 0.004 b_glp.L 0.104 0.004 -0.009 b_pl_exp.L 0.128 0.008 -0.005 b_rt_exp.L 0.408 0.040 0.000 sigma 0.506 0.253 0.107
BP variations	**BP accessories**	**Comp DL**	**DL variations**	**DL accessories**
Family: gaussian Links: mu = identity; sigma = identity Formula: Q3.3 ~ sex + division + age + weight_class + glp + pl_exp + rt_exp + (1 | ResponseId) Data: model.data (Number of observations: 560)	Family: gaussian Links: mu = identity; sigma = identity Formula: Q3.4 ~ sex + division + age + weight_class + glp + pl_exp + rt_exp + (1 | ResponseId) Data: model.data (Number of observations: 519)	Family: gaussian Links: mu = identity; sigma = identity Formula: Q4.2 ~ sex + division + age + weight_class + glp + pl_exp + rt_exp + (1 | ResponseId) Data: model.data (Number of observations: 481)	Family: gaussian Links: mu = identity; sigma = identity Formula: Q4.3 ~ sex + division + age + weight_class + glp + pl_exp + rt_exp + (1 | ResponseId) Data: model.data (Number of observations: 464)	Family: gaussian Links: mu = identity; sigma = identity Formula: Q4.4 ~ sex + division + age + weight_class + glp + pl_exp + rt_exp + (1 | ResponseId) Data: model.data (Number of observations: 421)

Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 415)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	0.54	0.08	0.37	0.68	1.00	2015	3539

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	2.35	0.26	1.84	2.86	1.00	14247	13333
sexMale	-0.19	0.11	-0.42	0.03	1.00	18870	13129
divisionRaw	0.05	0.25	-0.44	0.52	1.00	16959	13242
age.L	-0.25	0.13	-0.50	0.01	1.00	17665	13471
age.Q	0.05	0.09	-0.12	0.22	1.00	18483	13261
weight_class.L	-0.02	0.09	-0.21	0.16	1.00	16920	12673
weight_class.Q	-0.05	0.08	-0.21	0.11	1.00	16834	12902
glp.L	0.48	0.36	-0.22	1.20	1.00	16196	12874
glp.Q	-0.45	0.30	-1.05	0.14	1.00	18933	12096
glp.C	-0.23	0.29	-0.79	0.33	1.00	16810	12378
glpE4	-0.51	0.30	-1.10	0.08	1.00	15960	12585
glpE5	0.13	0.31	-0.47	0.74	1.00	14918	12747
glpE6	-0.04	0.30	-0.64	0.56	1.00	14486	11659
glpE7	-0.03	0.30	-0.61	0.54	1.00	14690	12763
glpE8	-0.02	0.28	-0.58	0.54	1.00	14186	12274
glpE9	-0.10	0.25	-0.60	0.40	1.00	14497	13190

Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 393)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	0.45	0.11	0.17	0.62	1.00	1156	961

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	2.29	0.27	1.77	2.82	1.00	13281	12655
sexMale	-0.05	0.11	-0.27	0.16	1.00	15158	11498
divisionRaw	0.37	0.25	-0.13	0.87	1.00	16454	12633
age.L	0.01	0.13	-0.25	0.26	1.00	15139	12302
age.Q	-0.04	0.09	-0.21	0.13	1.00	11888	12214
weight_class.L	-0.01	0.09	-0.20	0.17	1.00	15908	12619
weight_class.Q	0.03	0.08	-0.12	0.19	1.00	15352	12161
glp.L	0.45	0.38	-0.28	1.19	1.00	14209	12641
glp.Q	-0.44	0.32	-1.07	0.17	1.00	15435	12780
glp.C	0.20	0.29	-0.38	0.77	1.00	14373	12854
glpE4	-0.40	0.30	-0.99	0.20	1.00	14068	12477
glpE5	0.04	0.32	-0.60	0.67	1.00	12314	11478
glpE6	0.06	0.33	-0.58	0.70	1.00	12302	11340
glpE7	-0.20	0.31	-0.81	0.42	1.00	12606	11766
glpE8	0.12	0.29	-0.45	0.68	1.00	11637	11536
glpE9	-0.19	0.26	-0.69	0.32	1.00	12216	12471

Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 404)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	0.09	0.07	0.01	0.24	1.00	2975	4985

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	1.17	0.18	0.82	1.52	1.00	17119	13035
sexMale	-0.01	0.07	-0.15	0.14	1.00	23399	12967
divisionRaw	0.21	0.17	-0.12	0.54	1.00	22282	13024
age.L	-0.13	0.09	-0.30	0.05	1.00	21679	13151
age.Q	0.01	0.06	-0.10	0.12	1.00	25585	13292
weight_class.L	-0.12	0.06	-0.24	-0.01	1.00	25302	12814
weight_class.Q	0.04	0.05	-0.07	0.14	1.00	24846	11786
glp.L	-0.05	0.24	-0.52	0.41	1.00	21984	13457
glp.Q	0.23	0.20	-0.17	0.62	1.00	22803	12601
glp.C	0.12	0.18	-0.23	0.48	1.00	21365	13179
glpE4	0.08	0.19	-0.30	0.47	1.00	19661	12957
glpE5	-0.10	0.20	-0.51	0.30	1.00	19720	12412
glpE6	0.22	0.21	-0.19	0.62	1.00	18430	12219
glpE7	-0.06	0.20	-0.46	0.33	1.00	17529	13035
glpE8	-0.20	0.18	-0.57	0.16	1.00	17975	13034
glpE9	-0.04	0.17	-0.37	0.28	1.00	15785	13040

Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 379)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	0.12	0.08	0.01	0.29	1.00	1609	3535

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	1.23	0.21	0.82	1.64	1.00	13332	12020
sexMale	-0.13	0.08	-0.28	0.02	1.00	15526	12349
divisionRaw	0.10	0.20	-0.29	0.50	1.00	16747	11918
age.L	-0.12	0.10	-0.31	0.06	1.00	16112	12694
age.Q	-0.03	0.06	-0.15	0.10	1.00	16114	13158
weight_class.L	-0.15	0.07	-0.28	-0.02	1.00	15606	12494
weight_class.Q	0.05	0.06	-0.07	0.16	1.00	13801	12113
glp.L	-0.10	0.26	-0.62	0.43	1.00	13136	11735
glp.Q	-0.01	0.22	-0.45	0.42	1.00	16567	12494
glp.C	-0.03	0.21	-0.44	0.38	1.00	13024	12710
glpE4	0.04	0.22	-0.39	0.48	1.00	12582	12359
glpE5	-0.10	0.22	-0.54	0.34	1.00	10956	12246
glpE6	0.11	0.22	-0.32	0.54	1.00	11282	12353
glpE7	-0.05	0.21	-0.47	0.37	1.00	10011	11371
glpE8	0.04	0.21	-0.36	0.45	1.00	9194	11693
glpE9	0.12	0.19	-0.25	0.49	1.00	9745	11615

Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 323)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	0.34	0.09	0.11	0.48	1.00	1792	1786

Regression Coefficients:

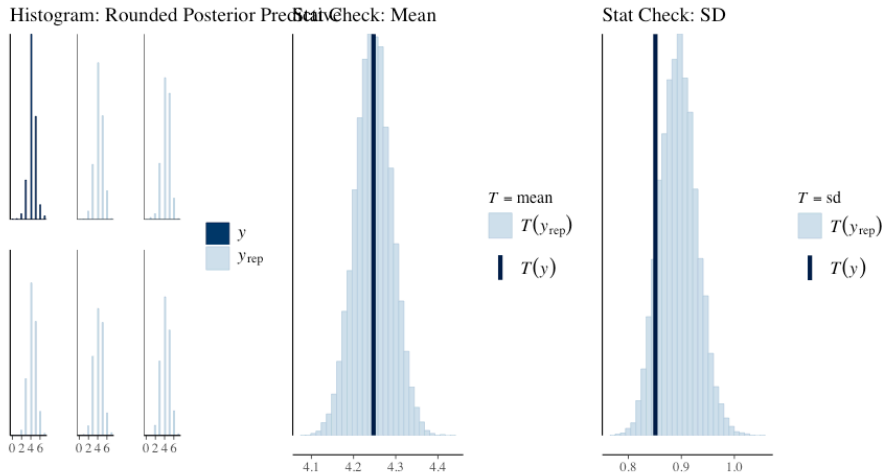
	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
Intercept	1.73	0.27	1.19	2.26	1.00	13310	13172
sexMale	-0.15	0.10	-0.35	0.05	1.00	16837	12994
divisionRaw	0.07	0.26	-0.44	0.58	1.00	16093	12817
age.L	-0.14	0.12	-0.38	0.09	1.00	17254	13370
age.Q	0.08	0.08	-0.07	0.24	1.00	16822	14099
weight_class.L	0.10	0.08	-0.07	0.26	1.00	17740	12076
weight_class.Q	0.06	0.07	-0.09	0.21	1.00	15999	12971
glp.L	0.85	0.37	0.12	1.59	1.00	13372	13074
glp.Q	-0.19	0.32	-0.83	0.45	1.00	12646	12746
glp.C	0.07	0.29	-0.50	0.64	1.00	11185	12191
glpE4	-0.33	0.30	-0.93	0.24	1.00	11059	11670
glpE5	-0.09	0.32	-0.71	0.53	1.00	11034	12108
glpE6	-0.48	0.32	-1.11	0.14	1.00	10732	11975
glpE7	-0.02	0.30	-0.62	0.58	1.00	10772	11946
glpE8	-0.36	0.27	-0.89	0.14	1.00	11098	11774
glpE9	-0.07	0.24	-0.53	0.39	1.00	10310	12201

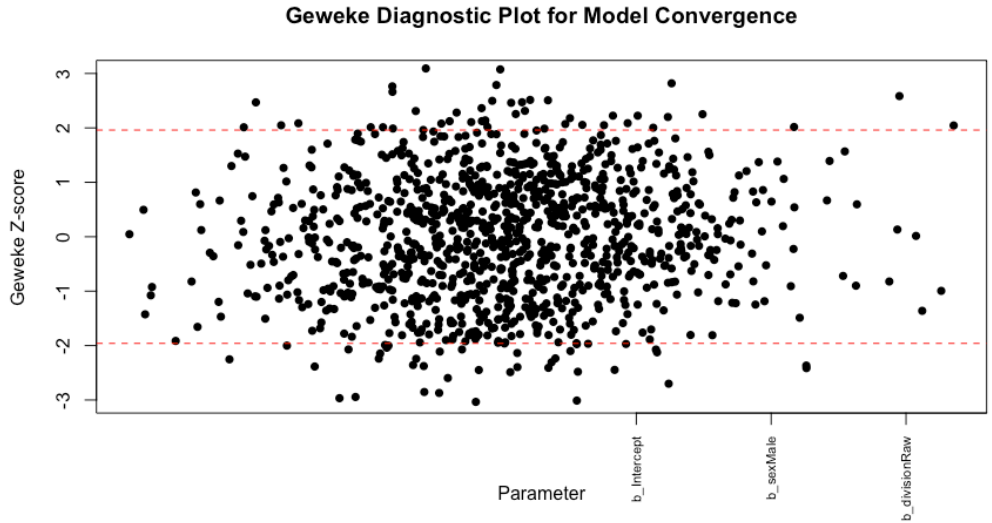
| | | |

rt_expE10 -0.14 0.15 -0.44 0.16 1.00 18907 13599 Further Distributional Parameters: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sigma 0.84 0.05 0.75 0.93 1.00 2658 4493 Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS and Tail_ESS are effective sample size measures, and Rhat is the potential scale reduction factor on split chains (at convergence, Rhat = 1). Autocorrelation: Lag_1 Lag_5 Lag_10 b_Intercept -0.024 0.004 -0.003 b_sexMale -0.118 -0.006 0.001 b_divisionRaw -0.068 0.001 -0.009 b_age.L -0.084 0.002 0.000 b_weight_class.L -0.104 0.017 -0.005 b_glp.L -0.077 0.006 0.003 b_pl_exp.L -0.061 -0.001 0.010 b_rt_exp.L 0.307 0.011 -0.009 sigma 0.440 0.219 0.077	rt_expE10 -0.10 0.15 -0.39 0.19 1.00 16904 12929 Further Distributional Parameters: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sigma 0.83 0.05 0.74 0.95 1.00 1442 1664 Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS and Tail_ESS are effective sample size measures, and Rhat is the potential scale reduction factor on split chains (at convergence, Rhat = 1). Autocorrelation Lag_1 Lag_5 Lag_10 b_Intercept -0.016 -0.007 -0.004 b_sexMale -0.059 0.000 -0.008 b_divisionRaw -0.064 -0.014 -0.008 b_age.L -0.078 0.013 -0.009 b_weight_class.L -0.071 -0.013 -0.003 b_glp.L -0.032 0.013 -0.017 b_pl_exp.L -0.019 0.007 -0.008 b_rt_exp.L 0.342 0.055 0.010 sigma 0.572 0.337 0.194	rt_expE10 -0.05 0.10 -0.24 0.14 1.00 26745 12853 Further Distributional Parameters: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sigma 0.63 0.02 0.58 0.67 1.00 7124 7352 Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS and Tail_ESS are effective sample size measures, and Rhat is the potential scale reduction factor on split chains (at convergence, Rhat = 1). Autocorrelation Lag_1 Lag_5 Lag_10 b_Intercept -0.141 0.008 -0.010 b_sexMale -0.230 -0.002 0.000 b_divisionRaw -0.211 0.000 -0.001 b_age.L -0.219 0.003 0.020 b_weight_class.L -0.266 -0.005 0.004 b_glp.L -0.197 -0.006 0.005 b_pl_exp.L -0.189 0.003 -0.004 b_rt_exp.L 0.241 -0.006 0.013 sigma -0.021 0.059 0.019	rt_expE10 0.01 0.11 -0.20 0.22 1.00 19584 11961 Further Distributional Parameters: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sigma 0.66 0.03 0.61 0.72 1.00 3915 5861 Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS and Tail_ESS are effective sample size measures, and Rhat is the potential scale reduction factor on split chains (at convergence, Rhat = 1). Autocorrelation Lag_1 Lag_5 Lag_10 b_Intercept -0.044 0.002 0.007 b_sexMale -0.056 -0.009 0.005 b_divisionRaw -0.068 -0.009 0.012 b_age.L -0.053 -0.015 -0.006 b_weight_class.L -0.080 -0.004 0.003 b_glp.L 0.002 0.002 -0.004 b_pl_exp.L -0.006 -0.007 0.001 b_rt_exp.L 0.427 0.091 0.022 sigma 0.128 0.129 0.053	rt_expE10 -0.07 0.14 -0.33 0.20 1.00 19093 13385 Further Distributional Parameters: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sigma 0.73 0.04 0.65 0.81 1.00 2387 4157 Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS and Tail_ESS are effective sample size measures, and Rhat is the potential scale reduction factor on split chains (at convergence, Rhat = 1). Autocorrelation Lag_1 Lag_5 Lag_10 b_Intercept 0.006 -0.003 0.007 b_sexMale -0.070 -0.012 0.006 b_divisionRaw -0.041 -0.012 -0.003 b_age.L -0.075 -0.012 -0.004 b_weight_class.L -0.086 0.006 -0.007 b_glp.L 0.027 -0.005 -0.014 b_pl_exp.L -0.009 0.003 -0.003 b_rt_exp.L 0.369 0.045 -0.002 sigma 0.397 0.228 0.093

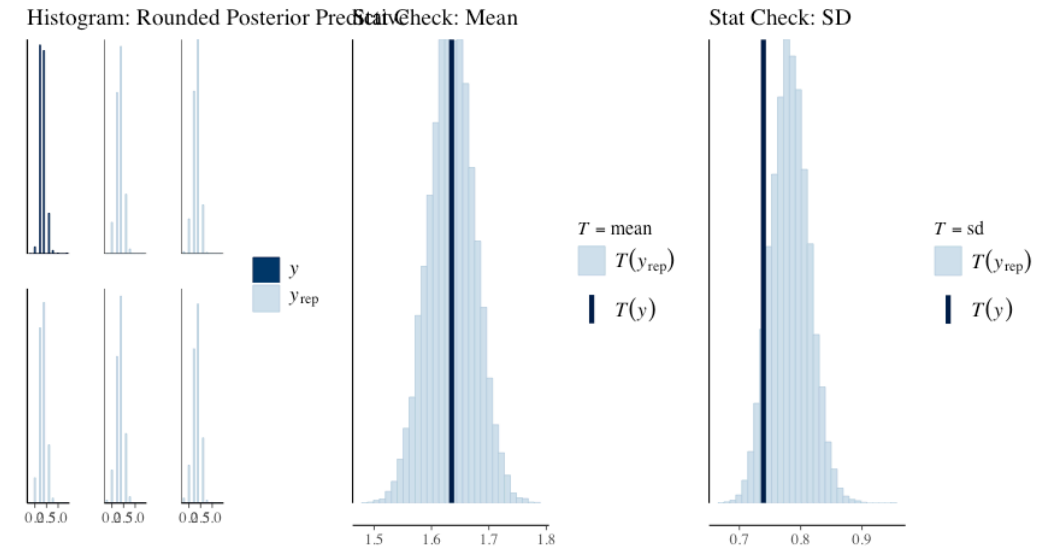
Continuous models – Model diagnostics

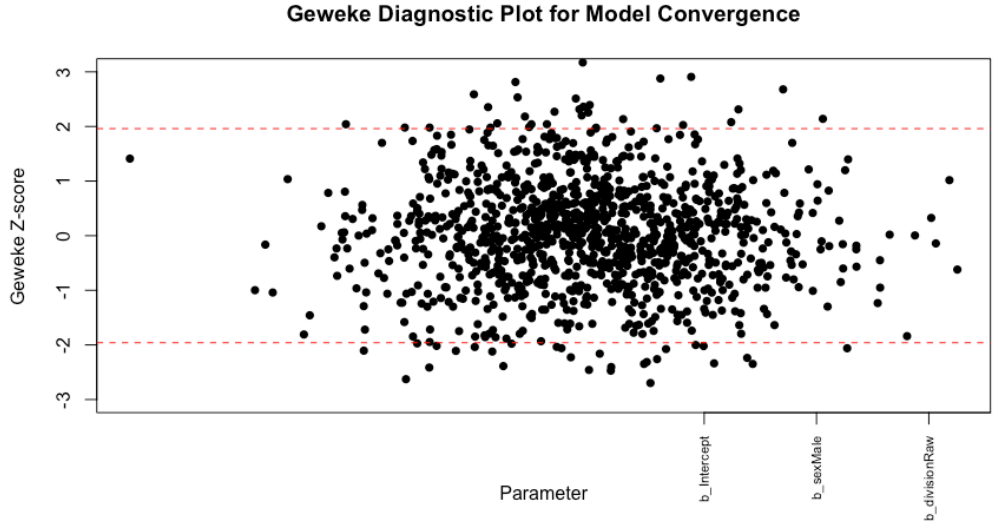
Q1.10 – Resistance training frequency



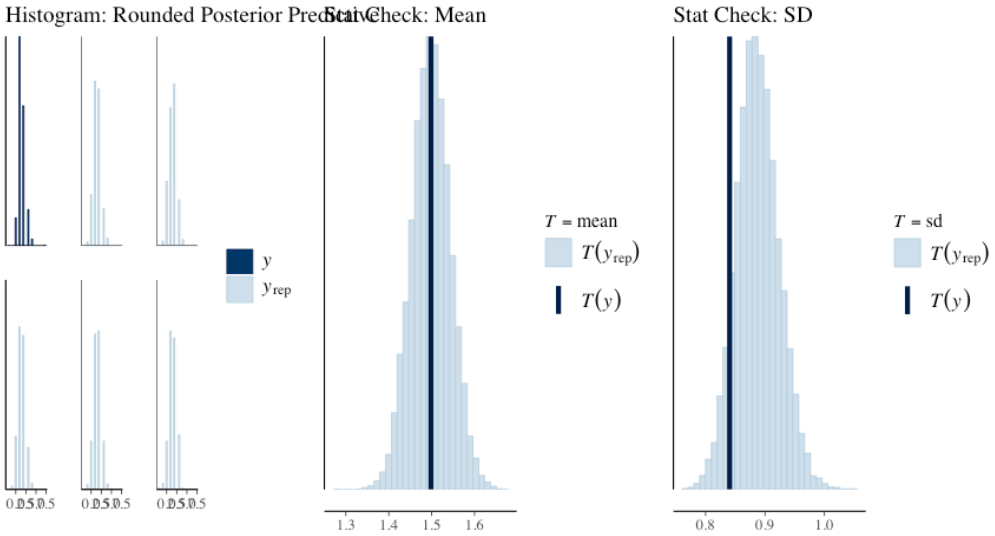


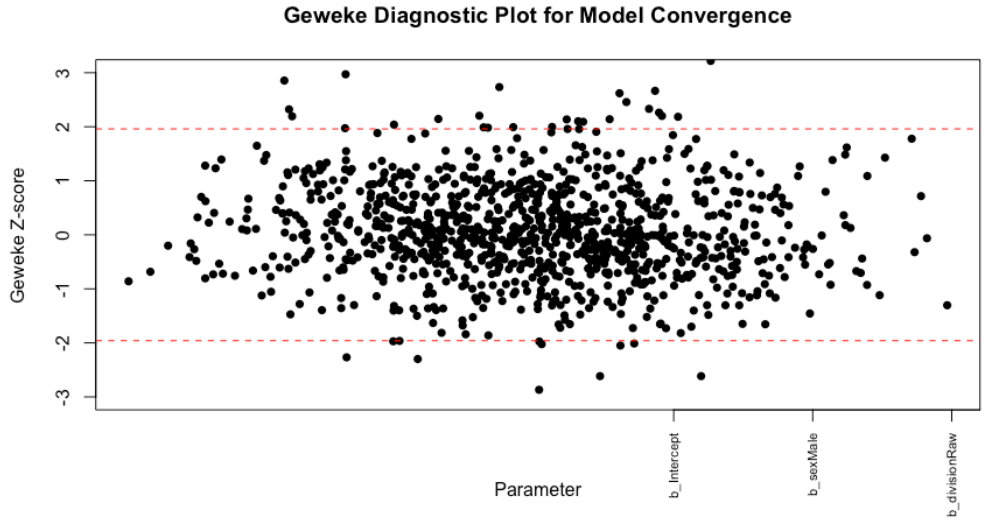
Q2.2 – Competition squat frequency



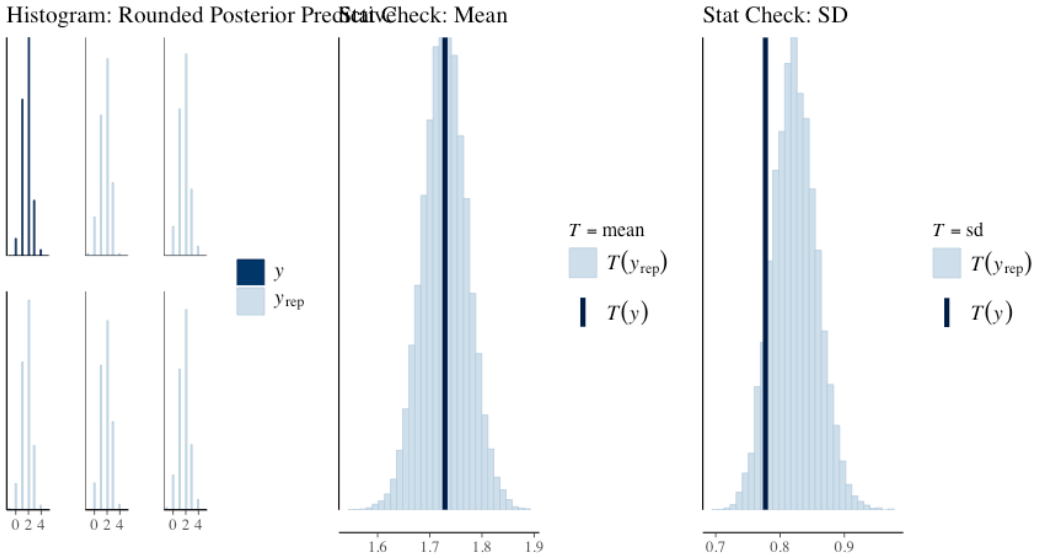


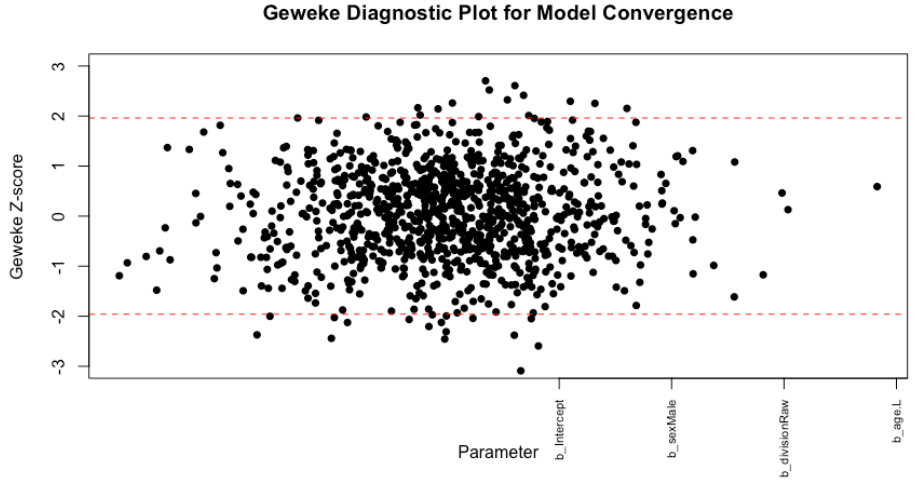
Q2.3 – Squat variation frequency



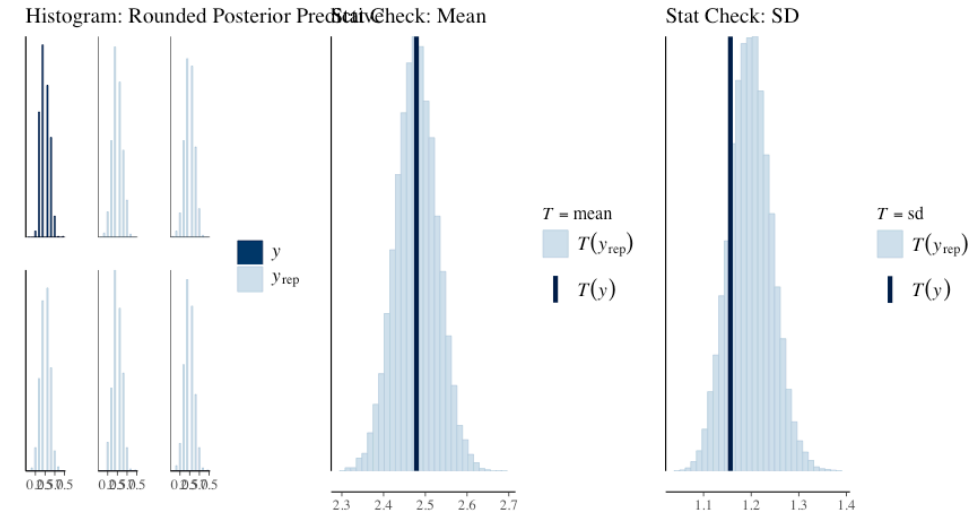


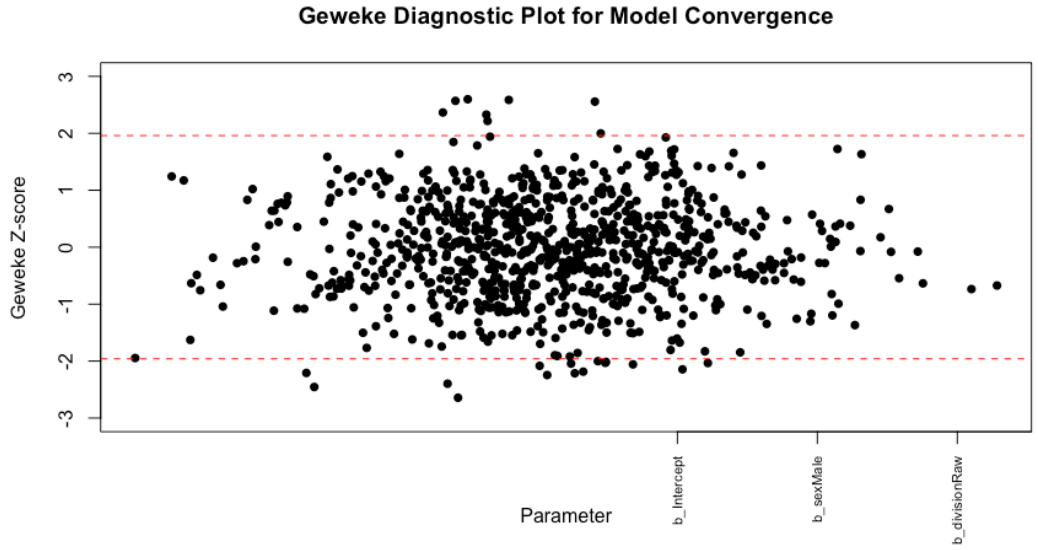
Q2.4 – Squat accessory frequency



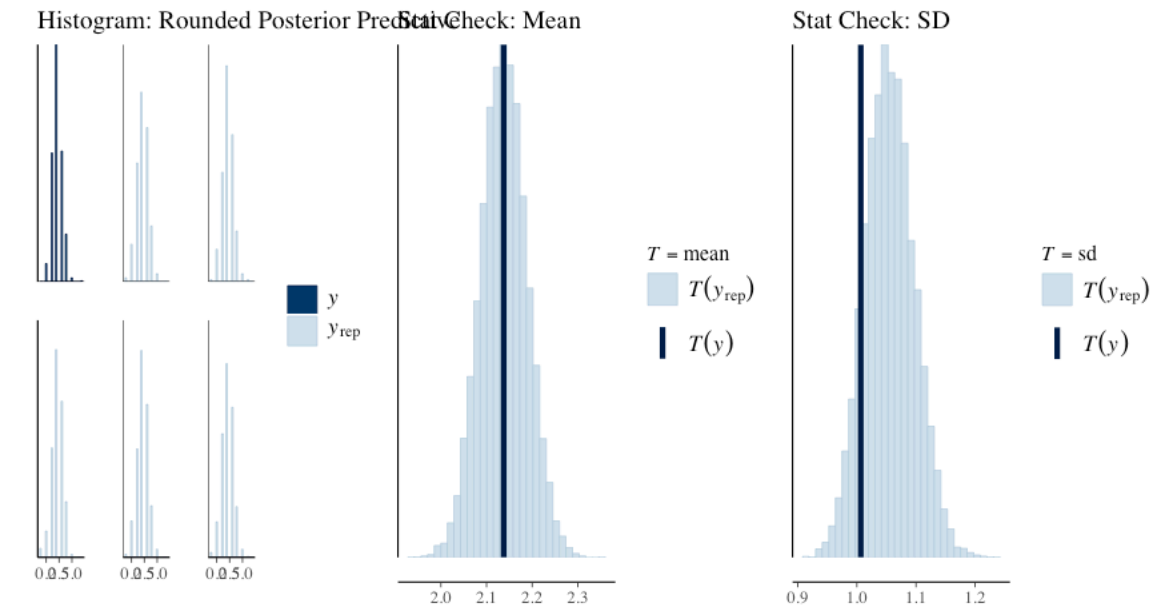


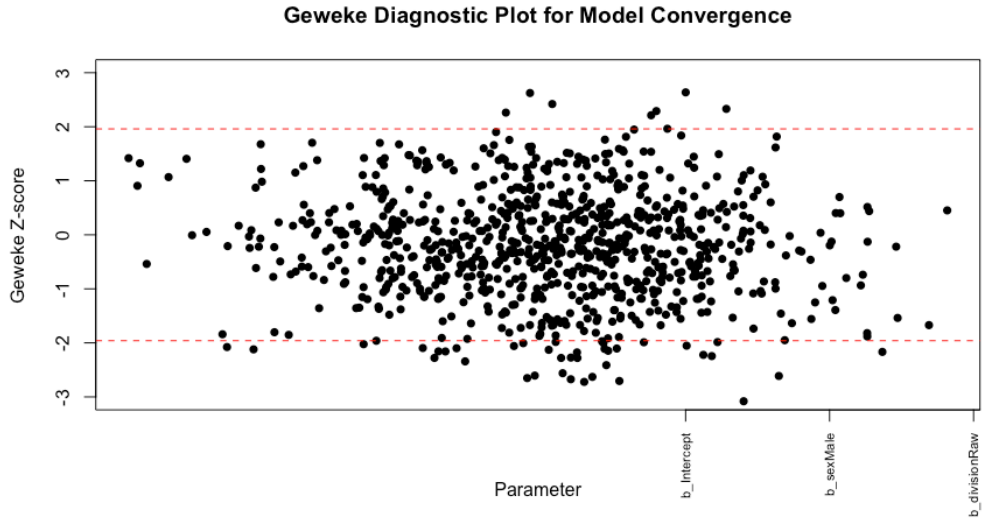
Q3.2 – Competition bench press frequency



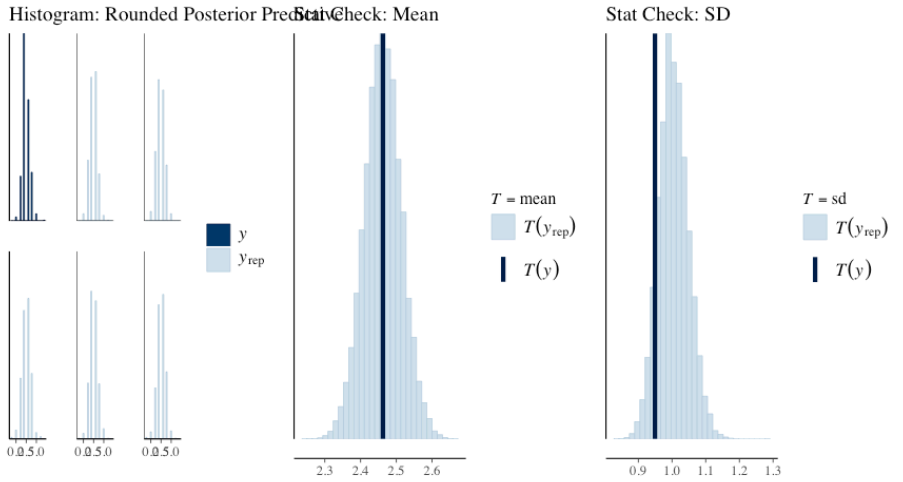


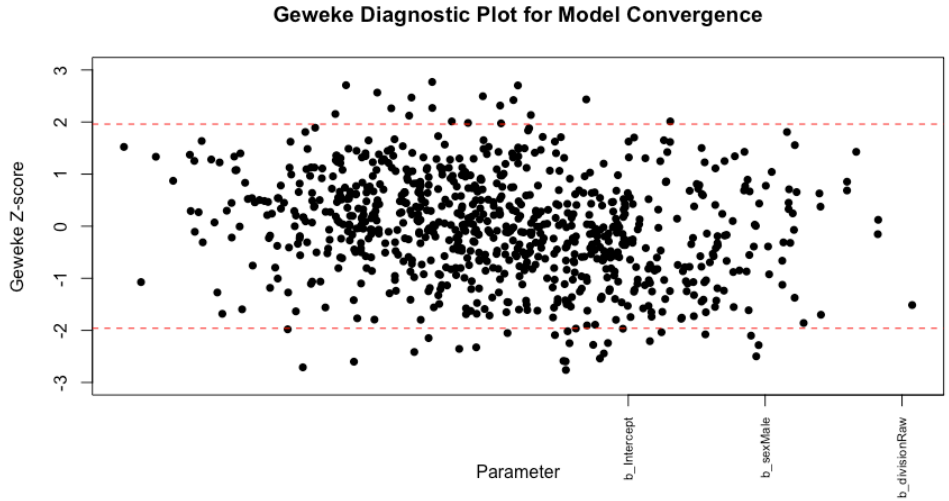
Q3.3 – Bench press variations frequency



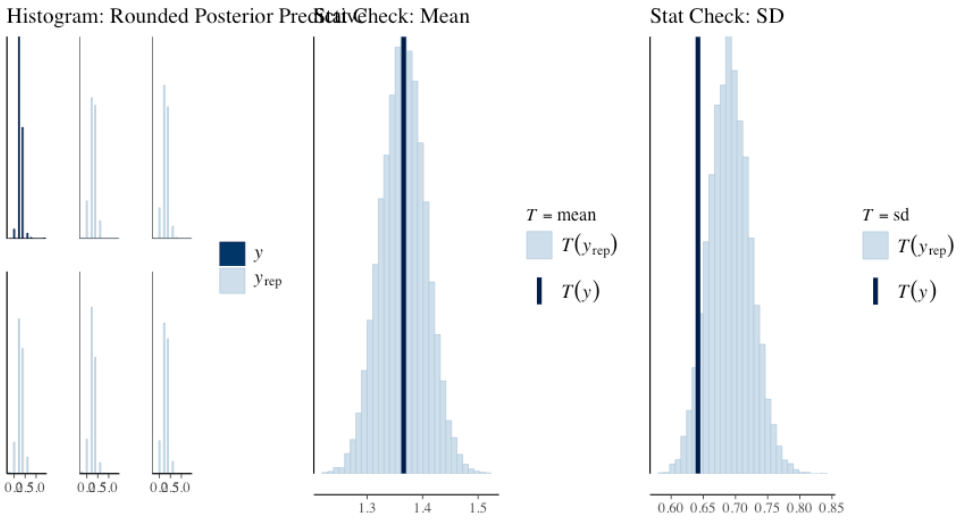


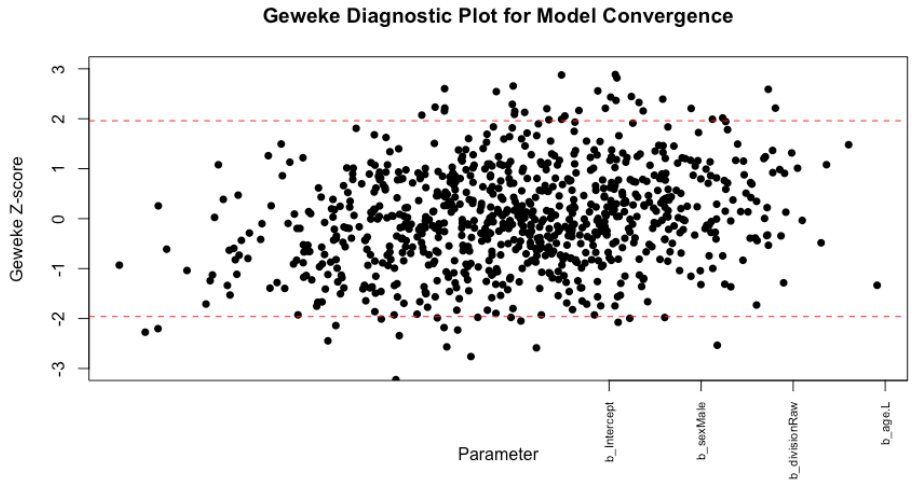
Q3.4 – Bench press accessory frequency



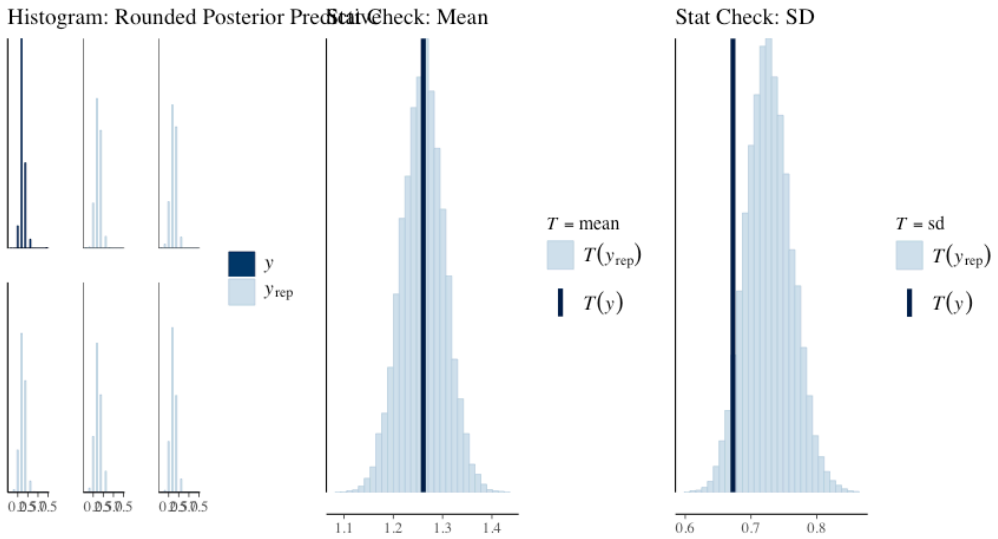


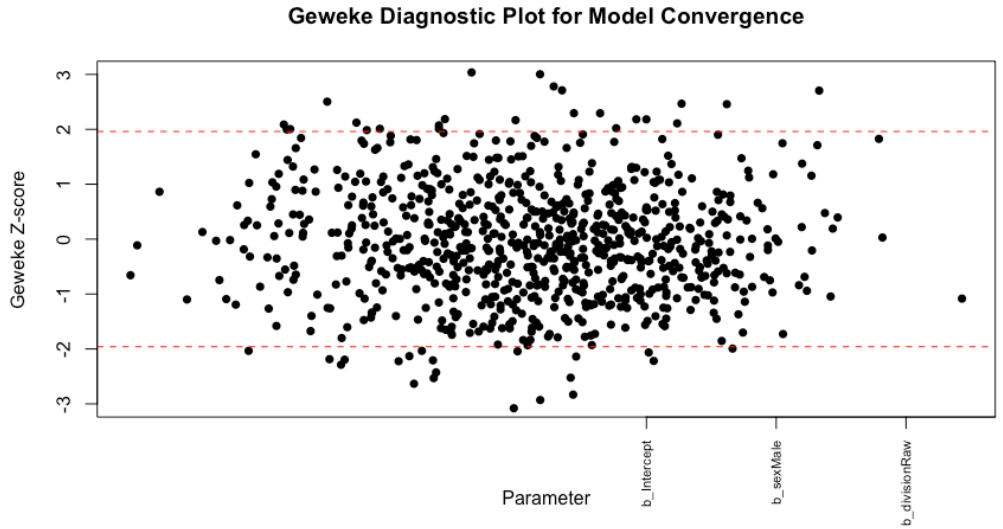
Q4.2 – Competition deadlift frequency



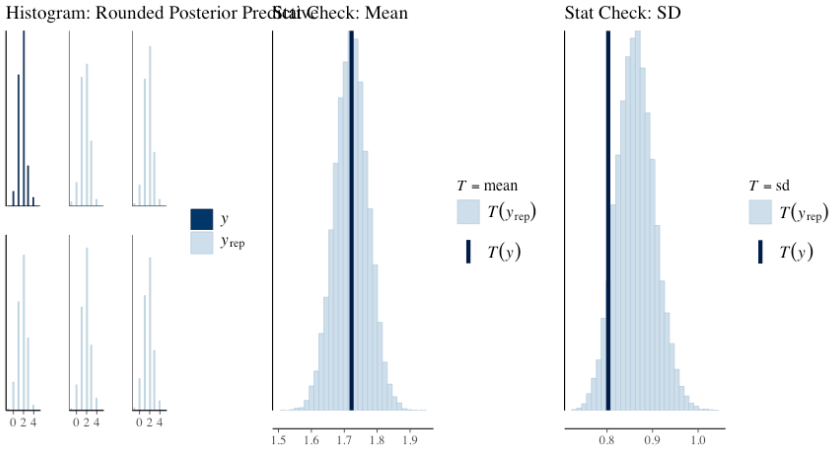


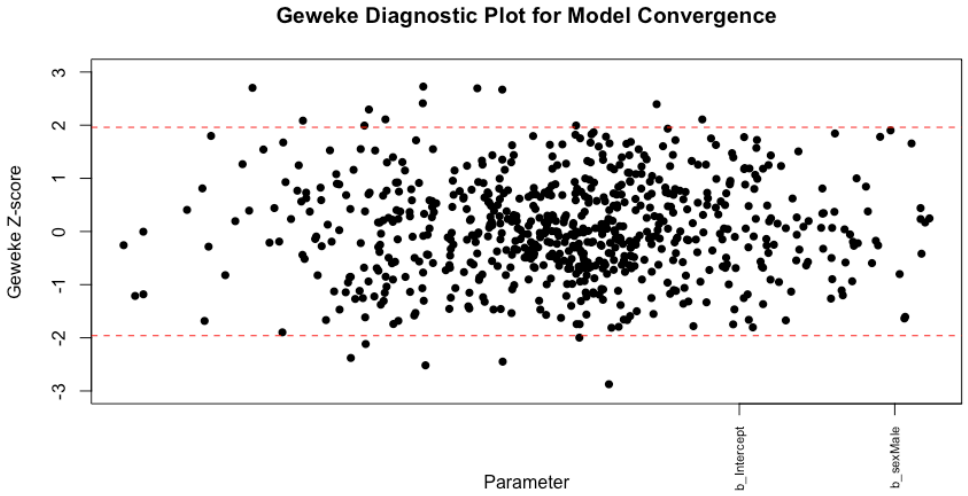
Q4.3 – Deadlift variations frequency





Q4.4 – Deadlift accessory frequency





Categorical models – Model summaries

Q2.1

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q2_1_data (Number of observations: 9010)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 530)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	1.15	0.06	1.04	1.27	1.00	6079	9754

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ2.1_1	-0.10	0.62	-1.32	1.13	1.00	6736	9998
itemQ2.1_10	0.04	0.70	-1.34	1.41	1.00	6440	9889
itemQ2.1_11	-5.34	2.13	-10.19	-1.89	1.00	9855	8447
itemQ2.1_12	-2.19	0.74	-3.72	-0.78	1.00	7381	9359
itemQ2.1_13	0.40	0.63	-0.82	1.66	1.00	6329	9550
itemQ2.1_14	1.40	0.70	0.06	2.82	1.00	6987	9929
itemQ2.1_15	1.02	0.65	-0.21	2.33	1.00	6301	9430
itemQ2.1_16	1.21	0.65	-0.02	2.50	1.00	6376	8740
itemQ2.1_18	-6.00	1.76	-9.70	-2.82	1.00	10466	10787
itemQ2.1_2	-0.97	0.67	-2.32	0.31	1.00	6281	8845
itemQ2.1_3	1.05	0.69	-0.27	2.42	1.00	6214	9438
itemQ2.1_4	0.28	0.62	-0.94	1.48	1.00	6376	9533
itemQ2.1_5	-0.97	0.66	-2.28	0.32	1.00	7023	9724
itemQ2.1_6	2.25	0.77	0.78	3.81	1.00	7271	10329
itemQ2.1_7	-1.06	0.65	-2.37	0.20	1.00	6150	10387
itemQ2.1_8	-4.20	1.26	-6.98	-2.01	1.00	8659	8150
itemQ2.1_9	-1.37	0.70	-2.76	-0.03	1.00	6593	9827
itemQ2.1_1:sexMale	0.12	0.28	-0.42	0.67	1.00	9623	10598
itemQ2.1_10:sexMale	-0.31	0.35	-1.00	0.38	1.00	11430	10929
itemQ2.1_11:sexMale	-1.95	0.60	-3.15	-0.80	1.00	18138	12153
itemQ2.1_12:sexMale	0.04	0.32	-0.57	0.67	1.00	10964	11865
itemQ2.1_13:sexMale	-0.37	0.29	-0.93	0.19	1.00	9212	11366

Q2.5

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q2_5_data (Number of observations: 4140)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 460)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	1.19	0.08	1.04	1.34	1.00	7216	10551

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ2.5_1	5.52	1.85	2.59	9.82	1.00	11964	7827
itemQ2.5_2	1.63	0.81	0.11	3.26	1.00	11231	11223
itemQ2.5_3	-2.64	0.97	-4.63	-0.83	1.00	12792	11254
itemQ2.5_4	1.00	0.75	-0.44	2.51	1.00	11540	11162
itemQ2.5_5	1.00	0.75	-0.44	2.53	1.00	11512	11409
itemQ2.5_6	-2.60	0.95	-4.58	-0.85	1.00	12162	10264
itemQ2.5_7	-4.10	1.25	-6.85	-1.92	1.00	12413	9136
itemQ2.5_8	-1.84	0.93	-3.74	-0.10	1.00	12240	10080
itemQ2.5_9	-3.46	1.02	-5.59	-1.60	1.00	11944	10877
itemQ2.5_1:sexMale	-0.09	0.29	-0.66	0.47	1.00	13797	12766
itemQ2.5_2:sexMale	-0.12	0.31	-0.72	0.48	1.00	13848	11747
itemQ2.5_3:sexMale	0.31	0.35	-0.37	1.00	1.00	16390	12354
itemQ2.5_4:sexMale	0.07	0.30	-0.53	0.66	1.00	13780	12239
itemQ2.5_5:sexMale	0.19	0.29	-0.39	0.77	1.00	12373	11791
itemQ2.5_6:sexMale	-0.15	0.32	-0.78	0.48	1.00	15255	12770
itemQ2.5_7:sexMale	-0.19	0.46	-1.09	0.71	1.00	18824	11922
itemQ2.5_8:sexMale	-0.75	0.35	-1.44	-0.06	1.00	15665	12432
itemQ2.5_9:sexMale	0.52	0.50	-0.43	1.51	1.00	18980	11758
itemQ2.5_1:divisionRaw	-5.17	1.84	-9.46	-2.25	1.00	12087	7846
itemQ2.5_2:divisionRaw	-0.70	0.78	-2.30	0.77	1.00	12201	10841
itemQ2.5_3:divisionRaw	0.67	0.95	-1.06	2.66	1.00	13600	10642
itemQ2.5_4:divisionRaw	-1.85	0.72	-3.30	-0.48	1.00	12728	11391

Q2.6

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q2_6_data (Number of observations: 3879)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 431)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	0.83	0.07	0.71	0.97	1.00	7507	9344

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ2.6_1	-0.93	0.71	-2.32	0.43	1.00	10686	11376
itemQ2.6_2	0.35	0.70	-0.99	1.77	1.00	10869	10707
itemQ2.6_3	-2.18	0.88	-4.03	-0.57	1.00	9460	9404
itemQ2.6_4	0.68	0.71	-0.66	2.11	1.00	9541	10491
itemQ2.6_5	1.43	0.79	-0.02	3.05	1.00	10486	9234
itemQ2.6_6	-1.36	0.73	-2.87	0.01	1.00	10240	10769
itemQ2.6_7	-1.99	0.93	-3.99	-0.32	1.00	10416	8968
itemQ2.6_8	-1.78	0.89	-3.68	-0.18	1.00	10539	9480
itemQ2.6_9	-3.44	1.17	-6.05	-1.45	1.00	10553	8736
itemQ2.6_1:sexMale	0.48	0.36	-0.22	1.20	1.00	18699	10744
itemQ2.6_2:sexMale	0.49	0.31	-0.11	1.10	1.00	16630	12811
itemQ2.6_3:sexMale	0.33	0.38	-0.40	1.10	1.00	19246	10857
itemQ2.6_4:sexMale	-0.04	0.29	-0.61	0.53	1.00	16886	12329
itemQ2.6_5:sexMale	0.21	0.27	-0.32	0.75	1.00	17994	12902
itemQ2.6_6:sexMale	0.45	0.30	-0.14	1.05	1.00	16207	12776
itemQ2.6_7:sexMale	-0.49	0.33	-1.13	0.16	1.00	18367	12062
itemQ2.6_8:sexMale	-0.59	0.28	-1.13	-0.03	1.00	17263	11991
itemQ2.6_9:sexMale	0.42	0.42	-0.39	1.27	1.00	19355	12621
itemQ2.6_1:divisionRaw	-1.66	0.68	-2.98	-0.30	1.00	12032	11815
itemQ2.6_2:divisionRaw	-1.97	0.68	-3.32	-0.67	1.00	11612	11536
itemQ2.6_3:divisionRaw	-1.04	0.84	-2.62	0.68	1.00	11878	10937
itemQ2.6_4:divisionRaw	-1.72	0.68	-3.12	-0.41	1.00	10529	10906

Q2.7

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q2_7_data (Number of observations: 3771)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 419)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	0.94	0.09	0.77	1.13	1.00	7153	10729

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ2.7_1	-6.17	2.34	-11.43	-2.24	1.00	17727	9942
itemQ2.7_2	-7.23	2.45	-12.58	-3.03	1.00	16657	10387
itemQ2.7_3	-8.21	2.66	-13.88	-3.42	1.00	16560	11509
itemQ2.7_4	0.35	0.80	-1.23	1.93	1.00	17624	12017
itemQ2.7_5	-1.46	0.89	-3.29	0.20	1.00	18201	12072
itemQ2.7_6	-6.78	2.15	-11.60	-3.20	1.00	16867	10833
itemQ2.7_7	-0.65	0.79	-2.23	0.88	1.00	17775	12143
itemQ2.7_8	1.52	0.84	-0.07	3.28	1.00	16981	10506
itemQ2.7_9	-3.57	1.20	-6.20	-1.49	1.00	16499	9886
itemQ2.7_1:sexMale	0.13	1.00	-1.72	2.26	1.00	26697	11235
itemQ2.7_2:sexMale	1.26	1.22	-0.89	3.96	1.00	26385	11072
itemQ2.7_3:sexMale	-1.31	1.19	-3.68	1.09	1.00	31964	11929
itemQ2.7_4:sexMale	0.18	0.38	-0.55	0.93	1.00	24473	12563
itemQ2.7_5:sexMale	-0.49	0.39	-1.24	0.29	1.00	24510	12983
itemQ2.7_6:sexMale	-0.22	0.62	-1.39	1.02	1.00	28214	12692
itemQ2.7_7:sexMale	0.22	0.29	-0.35	0.79	1.00	21788	12122
itemQ2.7_8:sexMale	-0.52	0.30	-1.11	0.06	1.00	22915	13557
itemQ2.7_9:sexMale	0.83	0.39	0.08	1.61	1.00	24986	13004
itemQ2.7_1:divisionRaw	0.57	2.29	-3.22	5.66	1.00	18602	10160
itemQ2.7_2:divisionRaw	-0.02	2.30	-3.90	5.13	1.00	20827	10831
itemQ2.7_3:divisionRaw	-0.34	2.30	-4.35	4.74	1.00	19529	11317
itemQ2.7_4:divisionRaw	-2.87	0.80	-4.45	-1.31	1.00	18282	11883

Q3.1

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q3_1_data (Number of observations: 7650)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 425)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	1.12	0.06	1.01	1.24	1.00	5844	9833

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ3.1_1	3.21	1.16	1.20	5.75	1.00	9769	8571
itemQ3.1_10	1.38	0.77	-0.09	2.93	1.00	7731	8073
itemQ3.1_11	1.60	0.89	-0.05	3.41	1.00	9192	10484
itemQ3.1_12	-3.81	1.34	-6.64	-1.44	1.00	10543	10427
itemQ3.1_13	1.84	0.93	0.12	3.81	1.00	9316	9733
itemQ3.1_14	1.61	0.81	0.07	3.22	1.00	8638	10233
itemQ3.1_15	0.84	0.75	-0.61	2.32	1.00	8774	10212
itemQ3.1_16	2.37	0.99	0.54	4.41	1.00	9344	8607
itemQ3.1_17	1.11	0.75	-0.35	2.62	1.00	7010	8805
itemQ3.1_19	-11.53	3.32	-18.31	-5.36	1.00	13107	12653
itemQ3.1_2	1.33	0.76	-0.10	2.88	1.00	7873	9861
itemQ3.1_3	-1.63	0.85	-3.33	0.01	1.00	7737	10042
itemQ3.1_4	0.71	0.73	-0.68	2.17	1.00	7687	10333
itemQ3.1_5	-1.53	0.87	-3.32	0.10	1.00	8151	9743
itemQ3.1_6	0.92	0.78	-0.52	2.53	1.00	8085	9059
itemQ3.1_7	1.78	0.84	0.18	3.50	1.00	8431	9915
itemQ3.1_8	-0.44	0.72	-1.89	0.95	1.00	8303	10830
itemQ3.1_9	0.47	0.70	-0.90	1.84	1.00	6900	9637
itemQ3.1_1:sexMale	-0.10	0.35	-0.79	0.59	1.00	12374	12445
itemQ3.1_10:sexMale	-0.32	0.35	-1.00	0.36	1.00	11946	11548
itemQ3.1_11:sexMale	0.37	0.35	-0.30	1.07	1.00	13043	12064
itemQ3.1_12:sexMale	-1.25	0.60	-2.42	-0.05	1.00	15654	12580

Q3.5

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q3_5_data (Number of observations: 3681)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 409)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	1.38	0.09	1.21	1.55	1.00	6159	10492

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ3.5_1	3.22	1.21	1.11	5.86	1.00	7334	7602
itemQ3.5_2	0.98	0.91	-0.73	2.84	1.00	6644	9576
itemQ3.5_3	-2.81	1.00	-4.93	-0.96	1.00	6663	8251
itemQ3.5_4	0.43	0.81	-1.15	2.04	1.00	6577	9469
itemQ3.5_5	0.83	0.88	-0.82	2.62	1.00	6485	9148
itemQ3.5_6	-2.81	1.01	-4.91	-0.93	1.00	7063	8555
itemQ3.5_7	-3.38	1.23	-6.06	-1.21	1.00	6661	8013
itemQ3.5_8	-2.21	1.03	-4.42	-0.34	1.00	6803	8602
itemQ3.5_9	-2.22	0.97	-4.20	-0.39	1.00	7076	9986
itemQ3.5_1:sexMale	-0.03	0.33	-0.68	0.61	1.00	8531	10407
itemQ3.5_2:sexMale	0.48	0.33	-0.17	1.13	1.00	8459	10957
itemQ3.5_3:sexMale	0.97	0.43	0.16	1.84	1.00	9259	10423
itemQ3.5_4:sexMale	0.28	0.32	-0.35	0.92	1.00	7523	10003
itemQ3.5_5:sexMale	-0.12	0.35	-0.80	0.57	1.00	8839	10351
itemQ3.5_6:sexMale	0.60	0.37	-0.12	1.35	1.00	8908	10439
itemQ3.5_7:sexMale	0.29	0.42	-0.51	1.12	1.00	9855	11459
itemQ3.5_8:sexMale	-0.00	0.35	-0.68	0.70	1.00	8180	10168
itemQ3.5_9:sexMale	0.45	0.49	-0.48	1.42	1.00	10470	11543
itemQ3.5_1:divisionRaw	-2.18	1.20	-4.82	-0.10	1.00	7422	7389
itemQ3.5_2:divisionRaw	-0.52	0.89	-2.32	1.14	1.00	7275	9572
itemQ3.5_3:divisionRaw	0.07	0.99	-1.76	2.10	1.00	7061	8565
itemQ3.5_4:divisionRaw	-0.78	0.80	-2.39	0.79	1.00	7018	9499

itemQ2.1_14:sexMale	-0.29	0.30	-0.88	0.29	1.00	itemQ2.5_5:divisionRaw	-0.04	0.73	-1.50	1.35	1.00	itemQ2.6_5:divisionRaw	-0.93	0.77	-2.54	0.49	1.00	itemQ2.7_5:divisionRaw	-1.09	0.87	-2.70	0.74	1.00	itemQ3.1_13:sexMale	0.73	0.36	0.04	1.45	1.00	itemQ3.5_5:divisionRaw	0.50	0.85	-1.23	2.10	1.00
9624	10917					12611	11291					11182	10544					18361	12211					12602	11430					6859	8899				
itemQ2.1_15:sexMale	-0.44	0.30	-1.03	0.13	1.00	itemQ2.5_6:divisionRaw	1.48	0.94	-0.24	3.43	1.00	itemQ2.6_6:divisionRaw	-0.31	0.71	-1.65	1.14	1.00	itemQ2.7_6:divisionRaw	1.54	2.09	-1.92	6.27	1.00	itemQ3.1_14:sexMale	-0.46	0.32	-1.11	0.17	1.00	itemQ3.5_6:divisionRaw	0.63	0.99	-1.21	2.70	1.00
10234	11973					13133	10533					11205	10128					17717	10079					10812	11374					7486	8972				
itemQ2.1_16:sexMale	-0.54	0.28	-1.11	0.00	1.00	itemQ2.5_7:divisionRaw	0.71	1.22	-1.38	3.41	1.00	itemQ2.6_7:divisionRaw	0.59	0.91	-1.05	2.56	1.00	itemQ2.7_7:divisionRaw	1.18	0.78	-0.32	2.75	1.00	itemQ3.1_15:sexMale	-0.47	0.30	-1.06	0.10	1.00	itemQ3.5_7:divisionRaw	0.89	1.22	-1.21	3.58	1.00
10030	10224					13526	9391					11087	8974					18156	11744					10488	11375					7089	8005				
itemQ2.1_18:sexMale	2.15	1.36	-0.23	5.05	1.00	itemQ2.5_8:divisionRaw	0.27	0.89	-1.42	2.08	1.00	itemQ2.6_8:divisionRaw	1.57	0.88	-0.03	3.45	1.00	itemQ2.7_8:divisionRaw	-0.40	0.83	-2.11	1.16	1.00	itemQ3.1_16:sexMale	-0.58	0.40	-1.37	0.19	1.00	itemQ3.5_8:divisionRaw	1.05	1.02	-0.81	3.21	1.00
14527	10550					12962	10129					10519	9774					17852	10922					14237	12432					7211	7970				
itemQ2.1_2:sexMale	-0.32	0.33	-0.95	0.32	1.00	itemQ2.5_9:divisionRaw	-0.31	0.97	-2.07	1.75	1.00	itemQ2.6_9:divisionRaw	0.63	1.15	-1.33	3.20	1.00	itemQ2.7_9:divisionRaw	0.72	1.18	-1.32	3.32	1.00	itemQ3.1_17:sexMale	-0.45	0.31	-1.07	0.15	1.00	itemQ3.5_9:divisionRaw	-1.37	0.92	-3.14	0.50	1.00
10993	12118					13600	11098					10885	8280					16939	10163					10745	11403					7414	9625				
itemQ2.1_3:sexMale	-0.18	0.26	-0.70	0.33	1.00	itemQ2.5_1:age.L	-0.24	0.32	-0.88	0.40	1.00	itemQ2.6_1:age.L	-0.13	0.41	-0.95	0.66	1.00	itemQ2.7_1:age.L	-0.12	1.11	-2.48	1.91	1.00	itemQ3.1_19:sexMale	1.64	2.46	-3.01	6.71	1.00	itemQ3.5_1:age.L	-0.19	0.36	-0.89	0.52	1.00
9175	11457					14765	12980					16153	12902					22459	11155					17226	11393					8327	10835				
itemQ2.1_4:sexMale	-0.90	0.28	-1.46	-0.36	1.00	itemQ2.5_2:age.L	-1.67	0.34	-2.34	-1.00	1.00	itemQ2.6_2:age.L	-0.10	0.34	-0.79	0.56	1.00	itemQ2.7_2:age.L	-2.55	2.31	-7.99	1.02	1.00	itemQ3.1_2:sexMale	-0.20	0.30	-0.78	0.38	1.00	itemQ3.5_2:age.L	-1.17	0.37	-1.90	-0.46	1.00
9415	11034					15850	12664					16292	11636					15212	9847					11682	10752					8082	10969				
itemQ2.1_5:sexMale	-0.72	0.30	-1.30	-0.13	1.00	itemQ2.5_3:age.L	-1.05	0.41	-1.88	-0.26	1.00	itemQ2.6_3:age.L	-2.40	0.86	-4.39	-0.99	1.00	itemQ2.7_3:age.L	0.47	3.24	-6.09	6.92	1.00	itemQ3.1_3:sexMale	0.44	0.41	-0.35	1.27	1.00	itemQ3.5_3:age.L	-1.29	0.48	-2.25	-0.37	1.00
9798	11452					15320	12331					9631	7067					16872	11830					13611	12410					9211	11085				
itemQ2.1_6:sexMale	-0.51	0.36	-1.24	0.18	1.00	itemQ2.5_4:age.L	-0.04	0.34	-0.70	0.62	1.00	itemQ2.6_4:age.L	-0.15	0.33	-0.80	0.50	1.00	itemQ2.7_4:age.L	-0.76	0.48	-1.72	0.14	1.00	itemQ3.1_4:sexMale	-0.14	0.31	-0.75	0.45	1.00	itemQ3.5_4:age.L	-0.00	0.35	-0.69	0.68	1.00
11574	11368					15132	12117					14920	12450					24061	13177					11006	11752					7695	10931				
itemQ2.1_7:sexMale	-0.69	0.28	-1.23	-0.14	1.00	itemQ2.5_5:age.L	-0.17	0.33	-0.81	0.48	1.00	itemQ2.6_5:age.L	0.10	0.31	-0.51	0.71	1.00	itemQ2.7_5:age.L	-0.55	0.54	-1.68	0.46	1.00	itemQ3.1_5:sexMale	-0.31	0.37	-1.03	0.42	1.00	itemQ3.5_5:age.L	-0.51	0.37	-1.23	0.21	1.00
9715	12233					15143	12294					16600	12194					23147	13077					12079	11607					8060	10028				
itemQ2.1_8:sexMale	-0.01	0.49	-0.95	0.98	1.00	itemQ2.5_6:age.L	-0.62	0.37	-1.36	0.08	1.00	itemQ2.6_6:age.L	-0.71	0.34	-1.40	-0.06	1.00	itemQ2.7_6:age.L	-0.75	1.02	-2.97	1.06	1.00	itemQ3.1_6:sexMale	0.05	0.30	-0.53	0.63	1.00	itemQ3.5_6:age.L	-0.62	0.42	-1.46	0.19	1.00
15923	11779					16446	12865					15320	12934					20559	11163					10404	11911					8908	11064				
itemQ2.1_9:sexMale	0.29	0.36	-0.41	1.02	1.00	itemQ2.5_7:age.L	-0.34	0.63	-1.64	0.84	1.00	itemQ2.6_7:age.L	-0.04	0.40	-0.82	0.73	1.00	itemQ2.7_7:age.L	-1.06	0.33	-1.69	-0.43	1.00	itemQ3.1_7:sexMale	-0.37	0.38	-1.11	0.36	1.00	itemQ3.5_7:age.L	-0.12	0.47	-1.05	0.80	1.00
11433	10619					18396	10992					17649	12000					22243	13584					13582	11751					9306	10234				
itemQ2.1_1:divisionRaw	1.07	0.60	-0.12	2.22	1.00	itemQ2.5_8:age.L	1.04	0.38	0.29	1.80	1.00	itemQ2.6_8:age.L	0.31	0.32	-0.31	0.93	1.00	itemQ2.7_8:age.L	-0.41	0.33	-1.06	0.22	1.00	itemQ3.1_8:sexMale	0.00	0.32	-0.62	0.63	1.00	itemQ3.5_8:age.L	-0.07	0.39	-0.83	0.68	1.00
7265	9547					17363	13134					15987	12276					22618	13231					12524	11615					8002	10046				
itemQ2.1_10:divisionRaw	-2.76	0.67	-4.10	-1.47	1.00	itemQ2.5_9:age.L	-0.37	0.54	-1.49	0.64	1.00	itemQ2.6_9:age.L	-0.16	0.49	-1.18	0.78	1.00	itemQ2.7_9:age.L	0.20	0.43	-0.68	1.04	1.00	itemQ3.1_9:sexMale	-0.33	0.29	-0.89	0.23	1.00	itemQ3.5_9:age.L	-0.53	0.56	-1.67	0.52	1.00
7625	10567					16109	10826					18609	11562					24993	12222					10922	11723					9942	10880				
itemQ2.1_11:divisionRaw	2.45	2.12	-0.98	7.32	1.00	itemQ2.5_1:age.Q	-0.28	0.22	-0.70	0.16	1.00	itemQ2.6_1:age.Q	-0.55	0.27	-1.08	-0.04	1.00	itemQ2.7_1:age.Q	0.18	0.78	-1.45	1.66	1.00	itemQ3.1_1:divisionRaw	-1.26	1.14	-3.80	0.71	1.00	itemQ3.5_1:age.Q	-0.26	0.25	-0.75	0.23	1.00
10026	7998					13820	12698					18582	11794					21822	11551					10455	9105					8481	11324				
itemQ2.1_12:divisionRaw	-0.24	0.71	-1.58	1.22	1.00	itemQ2.5_2:age.Q	0.12	0.23	-0.33	0.58	1.00	itemQ2.6_2:age.Q	-0.29	0.23	-0.74	0.16	1.00	itemQ2.7_2:age.Q	-1.38	1.39	-4.61	0.86	1.00	itemQ3.1_10:divisionRaw	0.29	0.73	-1.19	1.69	1.00	itemQ3.5_2:age.Q	-0.15	0.25	-0.64	0.35	1.00
7933	9435					15955	13131					17495	12602					15678	9614					9010	10336					8786	11424				
itemQ2.1_13:divisionRaw	1.18	0.61	-0.02	2.36	1.00	itemQ2.5_3:age.Q	0.02	0.27	-0.53	0.54	1.00	itemQ2.6_3:age.Q	-0.98	0.51	-2.15	-0.13	1.00	itemQ2.7_3:age.Q	-3.37	2.14	-8.22	0.03	1.00	itemQ3.1_11:divisionRaw	-3.37	0.87	-5.15	-1.75	1.00	itemQ3.5_3:age.Q	0.24	0.31	-0.38	0.84	1.00
6846	9807					15765	12344					9308	6646					16052	11941					9920	10668					8249	10025				
itemQ2.1_14:divisionRaw	0.05	0.68	-1.34	1.35	1.00	itemQ2.5_4:age.Q	-0.32	0.23	-0.77	0.12	1.00	itemQ2.6_4:age.Q	-0.41	0.22	-0.85	0.01	1.00	itemQ2.7_4:age.Q	-0.14	0.32	-0.79	0.46	1.00	itemQ3.1_12:divisionRaw	0.29	1.26	-1.94	3.04	1.00	itemQ3.5_4:age.Q	-0.44	0.24	-0.92	0.03	1.00
7463	9511					14518	12419					17226	12565					23782	13367					11760	9786					7895	10859				
itemQ2.1_15:divisionRaw	0.59	0.62	-0.65	1.78	1.00	itemQ2.5_5:age.Q	-0.01	0.22	-0.45	0.43	1.00	itemQ2.6_5:age.Q	0.33	0.21	-0.08	0.74	1.00	itemQ2.7_5:age.Q	-0.50	0.35	-1.20	0.15	1.00	itemQ3.1_13:divisionRaw	-3.89	0.92	-5.86	-2.22	1.00	itemQ3.5_5:age.Q	-0.62	0.26	-1.12	-0.11	1.00
6917	9335					15081	11764					18308	12816					24138	12595					9577	9533					8787	10860				
itemQ2.1_16:divisionRaw	0.19	0.63	-1.06	1.39	1.00	itemQ2.5_6:age.Q	-0.13	0.25	-0.62	0.36	1.00	itemQ2.6_6:age.Q	0.10	0.23	-0.35	0.54	1.00	itemQ2.7_6:age.Q	-1.06	0.64	-2.41	0.09	1.00	itemQ3.1_14:divisionRaw	0.30	0.77	-1.27	1.76	1.00	itemQ3.5_6:age.Q	0.07	0.28	-0.48	0.61	1.00
6861	9661					15417	13197					16469	13178					21629	11748					9084	9921					8374	10660				
itemQ2.1_18:divisionRaw	-2.84	1.45	-5.52	0.22	1.00	itemQ2.5_7:age.Q	-0.76	0.39	-1.57	-0.01	1.00	itemQ2.6_7:age.Q	-0.35	0.26	-0.87	0.16	1.00	itemQ2.7_7:age.Q	-0.12	0.22	-0.56	0.33	1.00	itemQ3.1_15:divisionRaw	-0.30	0.72	-1.74	1.11	1.00	itemQ3.5_7:age.Q	-0.15	0.31	-0.76	0.45	1.00
13804	10856					17523	12071					16845	11946					23517	12998					9256	10473					9704	11083				
itemQ2.1_2:divisionRaw	-1.37	0.64	-2.60	-0.11	1.00	itemQ2.5_8:age.Q	0.27	0.27	-0.25	0.79	1.00	itemQ2.6_8:age.Q	-0.15	0.22	-0.57	0.27	1.00	itemQ2.7_8:age.Q	-0.26	0.22	-0.69	0.17	1.00	itemQ3.1_16:divisionRaw	-0.22	0.93	-2.18	1.49	1.00	itemQ3.5_8:age.Q	0.41	0.26	-0.11	0.93	1.00
6895	9384					16254	12476					18107	12649					24978	13051					10008	9116					8445	11084				
itemQ2.1_3:divisionRaw	-1.45	0.67	-2.78	-0.15	1.00	itemQ2.5_9:age.Q	0.10	0.36	-0.63	0.78	1.00	itemQ2.6_9:age.Q	-0.38	0.31	-1.01	0.22	1.00	itemQ2.7_9:age.Q	-0.32	0.28	-0.89	0.23	1.00	itemQ3.1_17:divisionRaw	0.17	0.72	-1.28	1.54	1.00	itemQ3.5_9:age.Q	0.06	0.36	-0.66	0.77	1.00
6697	9249					17831	11777					18795	12266					25400	12514					7535	9012					9709	10082				
itemQ2.1_4:divisionRaw	1.27	0.60	0.09	2.46	1.00	itemQ2.5_1:weight_class.L	-0.54	0.25	-1.04	-0.06	1.00	itemQ2.6_1:weight_class.L	-0.23	0.30	-0.80	0.35	1.00	itemQ2.7_1:weight_class.L	-0.30	0.85	-1.99	1.39	1.00	itemQ3.1_19:divisionRaw	-6.37	3.49	-13.37	0.29	1.00	itemQ3.5_1:weight_class.L	-0.32	0.28	-0.88	0.23	1.00
6832	9929					15003	12342					20054	12183					25735	11035					12965	10994					8664	11214				
itemQ2.1_5:divisionRaw	-0.66	0.64	-1.89	0.61	1.00	itemQ2.5_2:weight_class.L	-0.18	0.25	-0.68	0.30	1.00	itemQ2.6_2:weight_class.L	0.19	0.26	-0.31	0.70	1.00	itemQ2.7_2:weight_class.L	-0.72	0.78	-2.31	0.77	1.00	itemQ3.1_2:divisionRaw	-0.51	0.73	-2.02	0.86	1.00	itemQ3.5_2:weight_class.L	-0.43	0.29	-1.00	0.15	1.00
7639	11021					15175	12659					17910	12732					26682	11285					8255	9322					8868	11091				
itemQ2.1_6:divisionRaw	0.53	0.73	-1.00	1.90	1.00	itemQ2.5_3:weight_class.L	0.07	0.28	-0.49	0.62	1.00	itemQ2.6_3:weight_class.L	-0.65	0.32	-1.29	-0.03	1.00	itemQ2.7_3:weight_class.L	0.71	1.08	-1.31	3.02	1.00	itemQ3.1_3:divisionRaw	-1.17	0.78	-2.67	0.38	1.00	itemQ3.5_3:weight_class.L	0.20	0.33	-0.44	0.83	1.00
8049	10444					16951	12885					20282	12157					24623	11329					8424	10521					8344	11280				
itemQ2.1_7:divisionRaw	0.05	0.64	-1.18	1.32	1.00	itemQ2.5_4:weight_class.L	-0.49	0.25	-0.98	-0.01	1.00	itemQ2.6_4:weight_class.L	0.16	0.24	-0.30	0.63	1.00	itemQ2.7_4:weight_class.L	-0.45	0.32	-1.08	0.19	1.00	itemQ3.1_4:divisionRaw	0.23	0.70	-1.18	1.58	1.00	itemQ3.5_4:weight_class.L	-0.52	0.28	-1.06	0.01	1.00
6619	10405					14265	12092					18101	12766					26617	12664					8401	10061					8430	11046				
itemQ2.1_8:divisionRaw	0.49	1.21	-1.58	3.13	1.00	itemQ2.5_5:weight_class.L	-0.14	0.25	-0.63	0.34	1.00	itemQ2.6_5:weight_class.L	0.31	0.23	-0.15	0.77	1.00	itemQ2.7_5:weight_class.L	-0.15	0.35	-0.81	0.55	1.00	itemQ3.1_5:divisionRaw	-0.06	0.83	-1.62	1.67	1.00	itemQ3.5_5:weight_class.L	0.15	0.29	-0.42	0.72	1.00
9311	8498					15634	12599					18346	12437					25878	13229					8816	9807					9621	10530				
itemQ2.1_9:divisionRaw	-1.66	0.65	-2.91	-0.39	1.00	itemQ2.5_6:weight_class.L	0.44	0.27	-0.10	0.97	1.00	itemQ2.6_6:weight_class.L	-0.02	0.25	-0.50	0.47	1.00	itemQ2.7_6:weight_class.L	-0.68	0.49	-1.65	0.28	1.00	itemQ3.1_6:divisionRaw	-0.92	0.75	-2.49	0.47	1.00	itemQ3.5_6:weight_class.L	0.17	0.32	-0.45	0.80	1.00
7181	10794					15345	12593					16993	11215					29605	12568					8430	9123					9228	11133				
itemQ2.1_1:age.L	0.11	0.32	-0.51	0.74	1.00	itemQ2.5_7:weight_class.L	-0.39	0.37	-1.11	0.33	1.00	itemQ2.6_7:weight_class.L	-0.36	0.27	-0.88	0.17	1.00	itemQ2.7_7:weight_class.L	-0.48	0.25	-0.97	0.00	1.00	itemQ3.1_7:divisionRaw	0.40	0.79	-1.21	1.87	1.00	itemQ3.5_7:weight_class.L	-0.18	0.36	-0.89	0.52	1.00
9076	11221					19384	13005					20055	12242					24157	12889					9184	11120					10149	11292				
itemQ2.1_10:age.L	1.13	0.47	0.23	2.05	1.00	itemQ2.5_8:weight_class.L	-0.03	0.31	-0.64	0.59	1.00	itemQ2.6_8:weight_class.L	-0.47	0.23	-0.93	-0.02	1.00	itemQ2.7_8:weight_class.L	0.03	0.25	-0.46	0.51	1.00	itemQ3.1_8:divisionRaw	-0.78	0.70	-2.11	0.59	1.00	itemQ3.5_8:weight_class.L	-0.45	0.30	-1.04	0.14	1.00
13331	11319					17493	11696					17917	12760					24481	12974					8639	10886					8910	10816				
itemQ2.1_11:age.L	-0.05	0.66	-1.38	1.20	1.00	itemQ2.5_9:weight_class.L	0.37	0.38	-0.36	1.13	1.00	itemQ2.6_9:weight_class.L	0.29	0.33	-0.32	0.96	1.00	itemQ2.7_9:weight_class.L	0.01	0.29	-0.55	0.59	1.00	itemQ3.1_9:divisionRaw	-0.06	0.68	-1.37	1.28	1.00	itemQ3.5_9:weight_class.L	0.49	0.40	-0.28	1.29	1.00
14103	12544					17938	12657					20191	13061					24297	12046					7182	9588					11500	12105				
itemQ2.1_12:age.L	-0.21	0.35	-0.92	0.47	1.00	itemQ2.5_1:weight_class.Q	-0.02	0.21	-0.44	0.40	1.00	itemQ2.6_1:weight_class.Q	-0.28	0.25	-0.76	0.21	1.00	itemQ2.7_1:weight_class.Q	-0.11	0.72	-1.53	1.36	1.00	itemQ3.1_1:age.L	-0.67	0.40	-1.48	0.11	1.00	itemQ3.5_1:weight_class.Q	-0.33	0.25	-0.81	0.15	1.00
10215	11821					16105	12362					19409	12981					28933	12131					12884	12367					8830	11457				
itemQ2.1_13:age.L	0.29	0.34	-0.37	0.95	1.00	itemQ2.5_2:weight_class.Q	-0.61	0.23	-1.05	-0.17	1.00	itemQ2.6_2:weight_class.Q	-0.19	0.21	-0.61	0.23	1.00	itemQ2.7_2:weight_class.Q	0.55	0.81	-0.95	2.24	1.00	itemQ3.1_10:age.L	-1.14	0.36	-1.86	-0.43	1.00	itemQ3.5_2:weight_class.Q	-0.05	0.25	-0.54	0.44	1.00
10484	11326					15740	11879					19111	12723					29852	11518					11867	12017					8932	9930				

itemQ2.1_14:age.L	0.25	0.33	-0.39	0.91	1.00	itemQ2.5_3:weight_class.Q	-0.25	0.24	-0.73	0.22	1.00	itemQ2.6_3:weight_class.Q	-0.34	0.26	-0.86	0.17	1.00	itemQ2.7_3:weight_class.Q	0.59	1.17	-1.53	3.11	1.00	itemQ3.1_11:age.L	1.05	0.37	0.32	1.78	1.00	itemQ3.5_3:weight_class.Q	0.22	0.28	-0.33	0.77	1.00
9062	11373					16501	12207					20355	12461					26374	10941					10899	11405					9117	9810					
itemQ2.1_15:age.L	-0.37	0.33	-1.02	0.28	1.00	itemQ2.5_4:weight_class.Q	0.02	0.22	-0.41	0.44	1.00	itemQ2.6_4:weight_class.Q	0.10	0.21	-0.31	0.50	1.00	itemQ2.7_4:weight_class.Q	-0.28	0.27	-0.81	0.25	1.00	itemQ3.1_12:age.L	1.25	1.00	-0.55	3.38	1.00	itemQ3.5_4:weight_class.Q	0.24	0.23	-0.21	0.70	1.00
9517	11477					14123	12147					18778	13363					30001	11369					15082	9697					7389	11300					
itemQ2.1_16:age.L	-0.14	0.32	-0.77	0.48	1.00	itemQ2.5_5:weight_class.Q	-0.10	0.22	-0.52	0.33	1.00	itemQ2.6_5:weight_class.Q	-0.02	0.20	-0.41	0.37	1.00	itemQ2.7_5:weight_class.Q	-0.22	0.29	-0.79	0.34	1.00	itemQ3.1_13:age.L	0.57	0.35	-0.12	1.26	1.00	itemQ3.5_5:weight_class.Q	-0.24	0.26	-0.75	0.26	1.00
8927	10437					15920	12418					17570	12147					26338	12363					10478	11027					8493	10792					
itemQ2.1_18:age.L	-0.61	1.14	-3.06	1.44	1.00	itemQ2.5_6:weight_class.Q	-0.23	0.23	-0.68	0.21	1.00	itemQ2.6_6:weight_class.Q	0.07	0.21	-0.35	0.49	1.00	itemQ2.7_6:weight_class.Q	0.42	0.46	-0.47	1.35	1.00	itemQ3.1_14:age.L	0.63	0.36	-0.05	1.34	1.00	itemQ3.5_6:weight_class.Q	-0.22	0.26	-0.72	0.30	1.00
15670	10931					16174	11672					18424	12010					29293	11355					10797	11856					8104	10141					
itemQ2.1_2:age.L	0.03	0.38	-0.71	0.77	1.00	itemQ2.5_7:weight_class.Q	0.00	0.33	-0.65	0.64	1.00	itemQ2.6_7:weight_class.Q	0.36	0.24	-0.12	0.84	1.00	itemQ2.7_7:weight_class.Q	-0.13	0.21	-0.54	0.28	1.00	itemQ3.1_15:age.L	0.33	0.32	-0.29	0.96	1.00	itemQ3.5_7:weight_class.Q	-0.48	0.29	-1.06	0.08	1.00
10464	11284					22784	12611					19480	12820					23802	13549					9587	11327					9851	10697					
itemQ2.1_3:age.L	0.25	0.31	-0.35	0.85	1.00	itemQ2.5_8:weight_class.Q	-0.44	0.26	-0.96	0.08	1.00	itemQ2.6_8:weight_class.Q	0.18	0.21	-0.22	0.59	1.00	itemQ2.7_8:weight_class.Q	0.03	0.21	-0.39	0.44	1.00	itemQ3.1_16:age.L	-0.37	0.37	-1.10	0.35	1.00	itemQ3.5_8:weight_class.Q	-0.16	0.25	-0.66	0.34	1.00
9769	11723					17270	12942					18705	11857					25053	12815					11941	11902					8089	10511					
itemQ2.1_4:age.L	0.25	0.32	-0.36	0.89	1.00	itemQ2.5_9:weight_class.Q	0.20	0.34	-0.46	0.88	1.00	itemQ2.6_9:weight_class.Q	0.38	0.30	-0.20	0.98	1.00	itemQ2.7_9:weight_class.Q	0.41	0.27	-0.11	0.94	1.00	itemQ3.1_17:age.L	0.17	0.33	-0.47	0.81	1.00	itemQ3.5_9:weight_class.Q	-0.07	0.34	-0.75	0.58	1.00
8451	11259					19862	12943					21056	11373					27213	13336					10509	11635					10765	11457					
itemQ2.1_5:age.L	-0.01	0.35	-0.69	0.67	1.00	itemQ2.5_1:glp.L	-0.11	0.05	-0.21	-0.01	1.00	itemQ2.6_1:glp.L	-0.07	0.06	-0.18	0.04	1.00	itemQ2.7_1:glp.L	-0.02	0.18	-0.37	0.33	1.00	itemQ3.1_19:age.L	0.83	3.32	-5.90	7.46	1.00	itemQ3.5_1:glp.L	0.02	0.06	-0.09	0.14	1.00
10152	12099					14888	11842					17775	13103					24221	12992					16840	12136					8632	10362					
itemQ2.1_6:age.L	-0.28	0.40	-1.06	0.50	1.00	itemQ2.5_2:glp.L	0.18	0.05	0.08	0.29	1.00	itemQ2.6_2:glp.L	0.02	0.05	-0.08	0.13	1.00	itemQ2.7_2:glp.L	0.02	0.17	-0.30	0.37	1.00	itemQ3.1_2:age.L	0.05	0.32	-0.57	0.68	1.00	itemQ3.5_2:glp.L	0.07	0.06	-0.05	0.19	1.00
12324	11627					16432	12850					18063	11671					24543	11963					10073	12332					9111	11341					
itemQ2.1_7:age.L	0.37	0.33	-0.28	1.02	1.00	itemQ2.5_3:glp.L	0.12	0.06	0.02	0.24	1.00	itemQ2.6_3:glp.L	0.10	0.07	-0.03	0.23	1.00	itemQ2.7_3:glp.L	0.40	0.33	-0.19	1.08	1.00	itemQ3.1_3:age.L	1.90	0.45	1.02	2.80	1.00	itemQ3.5_3:glp.L	0.14	0.07	0.01	0.29	1.00
9935	11216					17206	12876					19878	12877					21441	12308					12872	12206					9392	10945					
itemQ2.1_8:age.L	-0.04	0.52	-1.08	0.95	1.00	itemQ2.5_4:glp.L	-0.09	0.05	-0.19	0.01	1.00	itemQ2.6_4:glp.L	0.03	0.05	-0.07	0.13	1.00	itemQ2.7_4:glp.L	0.01	0.07	-0.12	0.14	1.00	itemQ3.1_4:age.L	-0.78	0.33	-1.43	-0.13	1.00	itemQ3.5_4:glp.L	-0.02	0.06	-0.13	0.09	1.00
13953	11449					14760	12461					17626	12851					26772	13015					10772	11688					8737	11543					
itemQ2.1_9:age.L	1.24	0.40	0.47	2.03	1.00	itemQ2.5_5:glp.L	0.05	0.05	-0.05	0.15	1.00	itemQ2.6_5:glp.L	0.11	0.05	0.02	0.21	1.00	itemQ2.7_5:glp.L	0.05	0.07	-0.09	0.20	1.00	itemQ3.1_5:age.L	-0.09	0.38	-0.84	0.65	1.00	itemQ3.5_5:glp.L	0.14	0.06	0.02	0.27	1.00
11035	11580					16226	12501					17634	12363					26493	12820					12414	12468					9511	10725					
itemQ2.1_1:age.Q	-0.13	0.21	-0.55	0.29	1.00	itemQ2.5_6:glp.L	0.18	0.06	0.07	0.29	1.00	itemQ2.6_6:glp.L	0.06	0.05	-0.04	0.16	1.00	itemQ2.7_6:glp.L	0.03	0.12	-0.20	0.28	1.00	itemQ3.1_6:age.L	0.95	0.33	0.33	1.61	1.00	itemQ3.5_6:glp.L	0.23	0.07	0.09	0.38	1.00
10214	11030					17233	12305					16503	12002					26152	12937					10420	11909					8786	10745					
itemQ2.1_10:age.Q	-0.66	0.29	-1.24	-0.09	1.00	itemQ2.5_7:glp.L	0.08	0.08	-0.08	0.24	1.00	itemQ2.6_7:glp.L	-0.00	0.06	-0.12	0.11	1.00	itemQ2.7_7:glp.L	0.03	0.05	-0.07	0.13	1.00	itemQ3.1_7:age.L	-0.62	0.39	-1.37	0.14	1.00	itemQ3.5_7:glp.L	0.07	0.07	-0.07	0.22	1.00
13784	11813					18437	12361					19232	12017					25701	12014					12415	11423					10524	10871					
itemQ2.1_11:age.Q	0.54	0.48	-0.42	1.47	1.00	itemQ2.5_8:glp.L	0.11	0.06	-0.01	0.24	1.00	itemQ2.6_8:glp.L	-0.00	0.05	-0.10	0.10	1.00	itemQ2.7_8:glp.L	0.08	0.05	-0.02	0.18	1.00	itemQ3.1_8:age.L	0.07	0.34	-0.61	0.74	1.00	itemQ3.5_8:glp.L	0.10	0.06	-0.02	0.23	1.00
16251	12572					16771	12450					17584	11742					24575	13020					10074	11472					9161	11064					
itemQ2.1_12:age.Q	-0.10	0.24	-0.56	0.37	1.00	itemQ2.5_9:glp.L	0.14	0.09	-0.03	0.32	1.00	itemQ2.6_9:glp.L	0.01	0.07	-0.13	0.15	1.00	itemQ2.7_9:glp.L	0.02	0.06	-0.11	0.14	1.00	itemQ3.1_9:age.L	0.20	0.32	-0.41	0.83	1.00	itemQ3.5_9:glp.L	0.20	0.09	0.03	0.39	1.00
10872	11232					20058	12202					20635	13191					26211	12876					9576	11777					9998	11119					
itemQ2.1_13:age.Q	-0.14	0.22	-0.56	0.29	1.00	itemQ2.5_1:glp.Q	0.12	0.88	-1.61	1.84	1.00	itemQ2.6_1:glp.Q	1.25	0.96	-0.64	3.13	1.00	itemQ2.7_1:glp.Q	-0.93	2.64	-6.55	3.81	1.00	itemQ3.1_1:age.Q	0.59	0.27	0.06	1.13	1.00	itemQ3.5_1:glp.Q	0.57	0.99	-1.35	2.57	1.00
10564	11536					14653	10976					19289	12110					27141	11520					12722	11085					10134	10309					
itemQ2.1_14:age.Q	-0.32	0.22	-0.75	0.12	1.00	itemQ2.5_2:glp.Q	-0.40	0.92	-2.21	1.41	1.00	itemQ2.6_2:glp.Q	-0.59	0.93	-2.48	1.18	1.00	itemQ2.7_2:glp.Q	0.55	2.51	-4.72	5.15	1.00	itemQ3.1_10:age.Q	-0.11	0.25	-0.59	0.38	1.00	itemQ3.5_2:glp.Q	-0.68	0.98	-2.59	1.26	1.00
10669	12169					18669	12387					19681	11915					24376	12840					12035	12037					10585	11378					
itemQ2.1_15:age.Q	-0.34	0.22	-0.77	0.09	1.00	itemQ2.5_3:glp.Q	1.22	0.96	-0.70	3.06	1.00	itemQ2.6_3:glp.Q	0.14	1.11	-2.12	2.23	1.00	itemQ2.7_3:glp.Q	-5.61	3.77	-13.50	1.24	1.00	itemQ3.1_11:age.Q	-0.15	0.25	-0.65	0.34	1.00	itemQ3.5_3:glp.Q	0.01	1.14	-2.31	2.19	1.00
10594	10782					17648	11964					19923	12668					28181	12713					11589	12156					11862	11281					
itemQ2.1_16:age.Q	-0.23	0.21	-0.64	0.18	1.00	itemQ2.5_4:glp.Q	0.38	0.89	-1.37	2.13	1.00	itemQ2.6_4:glp.Q	-0.55	0.87	-2.29	1.13	1.00	itemQ2.7_4:glp.Q	-0.23	1.14	-2.55	1.93	1.00	itemQ3.1_12:age.Q	-0.95	0.62	-2.29	0.18	1.00	itemQ3.5_4:glp.Q	-1.38	0.94	-3.23	0.46	1.00
9520	11093					16178	11727					19113	12843					26642	12788					14140	10038					10070	10955					
itemQ2.1_18:age.Q	0.54	0.84	-1.13	2.15	1.00	itemQ2.5_5:glp.Q	-0.38	0.87	-2.06	1.33	1.00	itemQ2.6_5:glp.Q	-1.70	0.81	-3.28	-0.10	1.00	itemQ2.7_5:glp.Q	-0.53	1.21	-3.00	1.78	1.00	itemQ3.1_13:age.Q	0.24	0.25	-0.25	0.71	1.00	itemQ3.5_5:glp.Q	0.56	1.06	-1.49	2.68	1.00
16531	11222					15471	12701					19643	12415					24779	12650					11519	11795					10664	11799					
itemQ2.1_2:age.Q	-0.08	0.25	-0.58	0.41	1.00	itemQ2.5_6:glp.Q	-0.42	0.96	-2.31	1.43	1.00	itemQ2.6_6:glp.Q	0.01	0.89	-1.78	1.70	1.00	itemQ2.7_6:glp.Q	-1.82	2.03	-6.12	1.90	1.00	itemQ3.1_14:age.Q	0.01	0.24	-0.46	0.49	1.00	itemQ3.5_6:glp.Q	-2.29	1.24	-4.83	0.03	1.00
12020	11334					17296	12973					18884	11238					27095	12576					11521	11076					11784	11603					
itemQ2.1_3:age.Q	-0.06	0.21	-0.47	0.34	1.00	itemQ2.5_7:glp.Q	-0.06	1.32	-2.78	2.42	1.00	itemQ2.6_7:glp.Q	-0.28	0.98	-2.26	1.60	1.00	itemQ2.7_7:glp.Q	-0.49	0.86	-2.17	1.18	1.00	itemQ3.1_15:age.Q	-0.44	0.22	-0.87	-0.00	1.00	itemQ3.5_7:glp.Q	-0.45	1.22	-2.98	1.85	1.00
9014	11331					19279	11696					20041	12361					27230	13969					9971	10768					12241	12155					
itemQ2.1_4:age.Q	-0.08	0.21	-0.50	0.33	1.00	itemQ2.5_8:glp.Q	-0.61	1.08	-2.80	1.41	1.00	itemQ2.6_8:glp.Q	-0.51	0.84	-2.20	1.10	1.00	itemQ2.7_8:glp.Q	0.08	0.87	-1.62	1.81	1.00	itemQ3.1_16:age.Q	-0.68	0.27	-1.21	-0.15	1.00	itemQ3.5_8:glp.Q	0.73	1.02	-1.33	2.71	1.00
10351	11841					19487	12231					19726	11632					25934	12810					13043	11864					10012	10731					
itemQ2.1_5:age.Q	-0.04	0.24	-0.50	0.42	1.00	itemQ2.5_9:glp.Q	-1.72	1.53	-4.90	1.07	1.00	itemQ2.6_9:glp.Q	-0.42	1.23	-2.96	1.89	1.00	itemQ2.7_9:glp.Q	0.23	1.10	-1.96	2.31	1.00	itemQ3.1_17:age.Q	-0.19	0.23	-0.63	0.26	1.00	itemQ3.5_9:glp.Q	-0.87	1.45	-3.86	1.86	1.00
10396	12036					22454	12364					21515	10784					28074	13239					10499	11500					11447	11343					
itemQ2.1_6:age.Q	0.04	0.27	-0.47	0.57	1.00	itemQ2.5_1:pl_exp.L	-0.03	0.05	-0.12	0.07	1.00	itemQ2.6_1:pl_exp.L	0.05	0.06	-0.07	0.17	1.00	itemQ2.7_1:pl_exp.L	0.07	0.21	-0.38	0.46	1.00	itemQ3.1_19:age.Q	-1.81	2.45	-7.01	2.52	1.00	itemQ3.5_1:pl_exp.L	0.01	0.05	-0.09	0.10	1.00
13166	11890					13181	12537					17619	11670					22817	11285					15916	10200					9271	11308					
itemQ2.1_7:age.Q	-0.44	0.22	-0.87	-0.02	1.00	itemQ2.5_2:pl_exp.L	0.05	0.05	-0.05	0.16	1.00	itemQ2.6_2:pl_exp.L	0.02	0.05	-0.08	0.12	1.00	itemQ2.7_2:pl_exp.L	0.09	0.20	-0.31	0.47	1.00	itemQ3.1_2:age.Q	-0.18	0.22	-0.62	0.25	1.00	itemQ3.5_2:pl_exp.L	0.02	0.05	-0.08	0.12	1.00
10286	10887					13533	12704					16968	12350					23612	12566					10898	11391					9132	10566					
itemQ2.1_8:age.Q	0.34	0.37	-0.38	1.04	1.00	itemQ2.5_3:pl_exp.L	0.00	0.06	-0.11	0.11	1.00	itemQ2.6_3:pl_exp.L	0.10	0.06	-0.02	0.22	1.00	itemQ2.7_3:pl_exp.L	-0.42	0.35	-1.22	0.14	1.00	itemQ3.1_3:age.Q	0.23	0.31	-0.38	0.83	1.00	itemQ3.5_3:pl_exp.L	0.02	0.06	-0.09	0.14	1.00
15143	10918					15588	12252					17688	11372					18742	10373					13324	11632					10166	10056					
itemQ2.1_9:age.Q	-0.13	0.27	-0.66	0.38	1.00	itemQ2.5_4:pl_exp.L	0.02	0.05	-0.08	0.12	1.00	itemQ2.6_4:pl_exp.L	-0.03	0.05	-0.12	0.06	1.00	itemQ2.7_4:pl_exp.L	-0.04	0.07	-0.18	0.09	1.00	itemQ3.1_4:age.Q	0.05	0.23	-0.39	0.49	1.00	itemQ3.5_4:pl_exp.L	0.05	0.05	-0.05	0.14	1.00
13214	11584					14188	13515					15353	11688					24743	13196					11100	11015					7929	8709					
itemQ2.1_1:weight_class.L	-0.21	0.24	-0.69	0.26	1.00	itemQ2.5_5:pl_exp.L	-0.01	0.05	-0.11	0.09	1.00	itemQ2.6_5:pl_exp.L	0.03	0.05	-0.06	0.12	1.00	itemQ2.7_5:pl_exp.L	-0.05	0.08	-0.21	0.10	1.00	itemQ3.1_5:age.Q	0.60	0.27	0.07	1.13	1.00	itemQ3.5_5:pl_exp.L	-0.03	0.05	-0.13	0.07	1.00
10798	11175					13643	12093					15858	12475					25584	13287					12574	10787					8779	10588					
itemQ2.1_10:weight_class.L	0.76	0.35	0.11	1.47	1.00	itemQ2.5_6:pl_exp.L	0.04	0.05	-0.07	0.14	1.00	itemQ2.6_6:pl_exp.L	-0.00	0.05	-0.10	0.09	1.00	itemQ2.7_6:pl_exp.L	-0.09	0.14	-0.37	0.17	1.00	itemQ3.1_6:age.Q	0.35	0.23	-0.09	0.79	1.00	itemQ3.5_6:pl_exp.L	-0.06	0.06	-0.18	0.05	1.00
15466	13067					15049	12390					15048	12220					26656	12828					10216	11946					9860	11107					
itemQ2.1_11:weight_class.L	0.83	0.55	-0.19	1.96	1.00	itemQ2.5_7:pl_exp.L	0.08	0.07	-0.06	0.23	1.00	itemQ2.6_7:pl_exp.L	-0.03	0.06	-0.15	0.08	1.00	itemQ2.7_7:pl_exp.L	0.07	0.05	-0.02	0.17	1.00	itemQ3.1_7:age.Q	0.06	0.27	-0.45	0.58	1.00	itemQ3.5_7:pl_exp.L	-0.01	0.07	-0.14	0.12	1.00
17248	12300					18870	12551					16657	12408					23511	13267					13371	11162					11124	11423					
itemQ2.1_12:weight_class.L	0.09	0.27	-0.43	0.61	1.00	itemQ2.5_8:pl_exp.L	0.01	0.06	-0.12	0.13	1.00	itemQ2.6_8:pl_exp.L	-0.02	0.05	-0.11	0.08	1.00	itemQ2.7_8:pl_exp.L	-0.01	0.05	-0.11	0.08	1.00	itemQ3.1_8:age.Q	0.14	0.24	-0.32	0.60	1.00	itemQ3.5_8:pl_exp.L	-0.11	0.06	-0.23	0.00	1.00
13127	11971					16709	12867					16970	12605					22275	13932					11125	11461					10263	11202					
itemQ2.1_13:weight_class.L	0.21	0.24	-0.25	0.68	1.00	itemQ2.5_9:pl_exp.L	0.09	0.08	-0.07	0.25	1.00	itemQ2.6_9:pl_exp.L	-0.07	0.07	-0.22	0.06	1.00	itemQ2.7_9:pl_exp.L	-0.02	0.06	-0.14	0.10	1.00	itemQ3.1_9:age.Q	0.07	0.22	-0.35	0.49	1.00	itemQ3.5_9:pl_exp.L	-0.09	0.08	-0.24	0.06	1.00
11332	11252					17691	12761					17750	11890					24540	11452					10602	11567					12097	11016					

itemQ2.1_14:weight_class.L -0.04 0.24 -0.52 0.43 1.00 11229 11146
itemQ2.1_15:weight_class.L -0.04 0.24 -0.52 0.43 1.00 11112 11844
itemQ2.1_16:weight_class.L -0.02 0.23 -0.48 0.43 1.00 9782 10358
itemQ2.1_18:weight_class.L 0.03 0.80 -1.50 1.67 1.00 19508 11220
itemQ2.1_2:weight_class.L 0.56 0.30 -0.01 1.16 1.00 11697 12040
itemQ2.1_3:weight_class.L 0.85 0.23 0.39 1.30 1.00 10920 11152
itemQ2.1_4:weight_class.L 0.15 0.23 -0.31 0.61 1.00 11595 11645
itemQ2.1_5:weight_class.L 0.72 0.28 0.18 1.28 1.00 11748 12520
itemQ2.1_6:weight_class.L -0.61 0.33 -1.27 0.02 1.00 13808 11237
itemQ2.1_7:weight_class.L 0.09 0.25 -0.39 0.58 1.00 11592 10160
itemQ2.1_8:weight_class.L 0.55 0.45 -0.30 1.45 1.00 16741 11413
itemQ2.1_9:weight_class.L 0.41 0.32 -0.21 1.05 1.00 14336 11584
itemQ2.1_1:weight_class.Q -0.06 0.21 -0.47 0.35 1.00 9959 11247
itemQ2.1_10:weight_class.Q -0.53 0.27 -1.07 -0.00 1.00 13761 12077
itemQ2.1_11:weight_class.Q -0.05 0.47 -0.96 0.87 1.00 18260 12109
itemQ2.1_12:weight_class.Q -0.09 0.22 -0.53 0.36 1.00 10870 11641
itemQ2.1_13:weight_class.Q -0.62 0.22 -1.04 -0.20 1.00 11443 11054
itemQ2.1_14:weight_class.Q -0.29 0.21 -0.71 0.13 1.00 11401 10715
itemQ2.1_15:weight_class.Q -0.54 0.22 -0.97 -0.12 1.00 11965 11100
itemQ2.1_16:weight_class.Q -0.37 0.20 -0.77 0.02 1.00 11100 11254
itemQ2.1_18:weight_class.Q 1.04 0.85 -0.50 2.85 1.00 19367 11128
itemQ2.1_2:weight_class.Q -0.21 0.25 -0.70 0.28 1.00 12248 11335
itemQ2.1_3:weight_class.Q -0.84 0.20 -1.22 -0.46 1.00 9891 10378
itemQ2.1_4:weight_class.Q -0.25 0.20 -0.64 0.14 1.00 10917 11214
itemQ2.1_5:weight_class.Q -0.29 0.23 -0.74 0.16 1.00 11079 10707
itemQ2.1_6:weight_class.Q 0.24 0.27 -0.26 0.77 1.00 13507 12381
itemQ2.1_7:weight_class.Q -0.47 0.21 -0.88 -0.07 1.00 9539 10600
itemQ2.1_8:weight_class.Q -0.25 0.36 -0.97 0.45 1.00 15544 11093
itemQ2.1_9:weight_class.Q -0.18 0.27 -0.70 0.35 1.00 13169 12476
itemQ2.1_1:glp.L 0.04 0.05 -0.05 0.13 1.00 10333 10135
itemQ2.1_10:glp.L 0.10 0.07 -0.04 0.24 1.00 14034 11919
itemQ2.1_11:glp.L 0.25 0.12 0.02 0.51 1.00 12732 9868
itemQ2.1_12:glp.L -0.04 0.05 -0.15 0.06 1.00 11009 11395
itemQ2.1_13:glp.L 0.05 0.05 -0.04 0.15 1.00 10247 11588

itemQ2.5_1:pl_exp.Q -0.67 0.49 -1.64 0.30 1.00 16045 12598
itemQ2.5_2:pl_exp.Q -0.38 0.51 -1.37 0.62 1.00 17156 12444
itemQ2.5_3:pl_exp.Q 0.01 0.57 -1.11 1.11 1.00 18899 12050
itemQ2.5_4:pl_exp.Q -0.71 0.50 -1.71 0.26 1.00 16738 12553
itemQ2.5_5:pl_exp.Q -0.65 0.50 -1.62 0.32 1.00 16416 12792
itemQ2.5_6:pl_exp.Q -0.75 0.53 -1.80 0.29 1.00 17274 12263
itemQ2.5_7:pl_exp.Q -0.70 0.76 -2.21 0.75 1.00 21409 12016
itemQ2.5_8:pl_exp.Q -1.54 0.65 -2.85 -0.28 1.00 19542 11718
itemQ2.5_9:pl_exp.Q -1.29 0.81 -2.93 0.27 1.00 21481 12169
itemQ2.5_1:rt_exp.L 0.07 0.08 -0.08 0.22 1.00 9863 11837
itemQ2.5_2:rt_exp.L -0.02 0.08 -0.18 0.14 1.00 10684 11794
itemQ2.5_3:rt_exp.L 0.05 0.09 -0.12 0.22 1.00 9968 11230
itemQ2.5_4:rt_exp.L 0.07 0.08 -0.09 0.22 1.00 9856 12027
itemQ2.5_5:rt_exp.L 0.07 0.08 -0.09 0.23 1.00 9599 12110
itemQ2.5_6:rt_exp.L 0.01 0.08 -0.15 0.18 1.00 9943 11987
itemQ2.5_7:rt_exp.L -0.07 0.13 -0.32 0.17 1.00 14053 12299
itemQ2.5_8:rt_exp.L -0.08 0.10 -0.28 0.12 1.00 11566 12430
itemQ2.5_9:rt_exp.L -0.22 0.14 -0.51 0.04 1.00 12977 12422
itemQ2.5_1:rt_exp.Q 1.69 0.74 0.23 3.16 1.00 9547 11269
itemQ2.5_2:rt_exp.Q 0.30 0.79 -1.25 1.83 1.00 10179 11664
itemQ2.5_3:rt_exp.Q 0.92 0.83 -0.73 2.52 1.00 9438 10701
itemQ2.5_4:rt_exp.Q 0.70 0.75 -0.76 2.16 1.00 9661 11201
itemQ2.5_5:rt_exp.Q 1.23 0.78 -0.29 2.76 1.00 9651 11815
itemQ2.5_6:rt_exp.Q -0.49 0.77 -2.01 1.01 1.00 10097 11765
itemQ2.5_7:rt_exp.Q 0.38 1.10 -1.80 2.52 1.00 13491 11619
itemQ2.5_8:rt_exp.Q -0.65 0.92 -2.49 1.15 1.00 11185 12178
itemQ2.5_9:rt_exp.Q -2.18 1.22 -4.65 0.15 1.00 12540 11174

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation:

	Lag_1	Lag_5	Lag_10
b_itemQ2.5_1	-0.099	0.003	-0.024
b_itemQ2.5_2	-0.065	-0.023	-0.006
b_itemQ2.5_3	-0.126	0.038	0.015
b_itemQ2.5_4	-0.057	-0.018	-0.026
b_itemQ2.5_5	-0.083	-0.013	0.009

itemQ2.6_1:pl_exp.Q -1.77 0.62 -3.02 -0.58 1.00 18682 11745
itemQ2.6_2:pl_exp.Q -1.20 0.51 -2.20 -0.22 1.00 19435 12082
itemQ2.6_3:pl_exp.Q 0.08 0.62 -1.16 1.30 1.00 22279 12049
itemQ2.6_4:pl_exp.Q -0.50 0.48 -1.47 0.43 1.00 18518 12056
itemQ2.6_5:pl_exp.Q -0.11 0.46 -1.02 0.77 1.00 18199 12250
itemQ2.6_6:pl_exp.Q 0.36 0.49 -0.62 1.31 1.00 19905 12398
itemQ2.6_7:pl_exp.Q -1.13 0.59 -2.32 -0.01 1.00 19896 11669
itemQ2.6_8:pl_exp.Q -0.46 0.49 -1.42 0.49 1.00 19561 12342
itemQ2.6_9:pl_exp.Q -1.07 0.69 -2.48 0.24 1.00 18238 11364
itemQ2.6_1:rt_exp.L -0.04 0.09 -0.22 0.14 1.00 10429 11495
itemQ2.6_2:rt_exp.L 0.02 0.08 -0.13 0.17 1.00 11126 11192
itemQ2.6_3:rt_exp.L -0.07 0.10 -0.27 0.12 1.00 11778 11657
itemQ2.6_4:rt_exp.L 0.07 0.07 -0.08 0.22 1.00 9875 11585
itemQ2.6_5:rt_exp.L -0.08 0.07 -0.22 0.06 1.00 10456 11364
itemQ2.6_6:rt_exp.L -0.07 0.08 -0.23 0.09 1.00 11109 12772
itemQ2.6_7:rt_exp.L 0.13 0.09 -0.04 0.30 1.00 10339 11526
itemQ2.6_8:rt_exp.L 0.14 0.07 -0.01 0.28 1.00 10619 11867
itemQ2.6_9:rt_exp.L 0.06 0.10 -0.14 0.25 1.00 11953 12115
itemQ2.6_1:rt_exp.Q 0.53 0.85 -1.15 2.16 1.00 10370 11098
itemQ2.6_2:rt_exp.Q 0.86 0.74 -0.63 2.28 1.00 11259 10812
itemQ2.6_3:rt_exp.Q -0.98 0.95 -2.85 0.89 1.00 11657 11633
itemQ2.6_4:rt_exp.Q 1.21 0.71 -0.17 2.62 1.00 9376 11580
itemQ2.6_5:rt_exp.Q -0.83 0.69 -2.20 0.52 1.00 9888 10935
itemQ2.6_6:rt_exp.Q -0.06 0.77 -1.59 1.42 1.00 10751 12359
itemQ2.6_7:rt_exp.Q 2.21 0.83 0.58 3.81 1.00 10010 11438
itemQ2.6_8:rt_exp.Q 1.78 0.71 0.39 3.17 1.00 10079 11524
itemQ2.6_9:rt_exp.Q 1.43 0.93 -0.43 3.25 1.00 10836 11825

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation:

	Lag_1	Lag_5	Lag_10
b_itemQ2.6_1	0.091	0.015	0.013
b_itemQ2.6_2	0.140	0.023	-0.008
b_itemQ2.6_3	0.172	0.019	-0.024
b_itemQ2.6_4	0.162	0.020	0.004
b_itemQ2.6_5	0.156	0.023	-0.005

itemQ2.7_1:pl_exp.Q -2.73 1.97 -6.92 0.83 1.00 25876 11169
itemQ2.7_2:pl_exp.Q -2.22 1.92 -6.23 1.27 1.00 28975 12172
itemQ2.7_3:pl_exp.Q -2.06 2.56 -7.39 2.57 1.00 21109 12720
itemQ2.7_4:pl_exp.Q -0.67 0.69 -2.06 0.65 1.00 27499 12868
itemQ2.7_5:pl_exp.Q -2.11 0.81 -3.78 -0.58 1.00 26213 11989
itemQ2.7_6:pl_exp.Q -4.18 1.40 -7.08 -1.61 1.00 25273 11640
itemQ2.7_7:pl_exp.Q -0.87 0.51 -1.88 0.15 1.00 26312 13040
itemQ2.7_8:pl_exp.Q 0.08 0.51 -0.92 1.09 1.00 25071 12494
itemQ2.7_9:pl_exp.Q -0.01 0.62 -1.24 1.19 1.00 27088 12738
itemQ2.7_1:rt_exp.L -0.11 0.27 -0.69 0.37 1.00 20699 11719
itemQ2.7_2:rt_exp.L 0.10 0.21 -0.35 0.50 1.00 21986 12074
itemQ2.7_3:rt_exp.L 0.03 0.32 -0.65 0.60 1.00 20948 11666
itemQ2.7_4:rt_exp.L -0.04 0.10 -0.25 0.15 1.00 18617 11598
itemQ2.7_5:rt_exp.L -0.05 0.11 -0.28 0.15 1.00 19459 12558
itemQ2.7_6:rt_exp.L -0.35 0.23 -0.85 0.05 1.00 20340 10987
itemQ2.7_7:rt_exp.L 0.02 0.08 -0.13 0.17 1.00 18249 13070
itemQ2.7_8:rt_exp.L 0.12 0.08 -0.04 0.27 1.00 17793 12572
itemQ2.7_9:rt_exp.L -0.09 0.10 -0.29 0.11 1.00 18366 12291
itemQ2.7_1:rt_exp.Q -1.39 2.24 -6.05 2.80 1.00 20512 11410
itemQ2.7_2:rt_exp.Q 0.05 2.12 -4.29 4.10 1.00 21152 12407
itemQ2.7_3:rt_exp.Q 0.96 2.60 -4.31 6.01 1.00 20885 12142
itemQ2.7_4:rt_exp.Q 0.29 0.91 -1.50 2.05 1.00 18875 12133
itemQ2.7_5:rt_exp.Q 0.76 0.97 -1.17 2.65 1.00 19690 12878
itemQ2.7_6:rt_exp.Q 0.01 1.60 -3.30 3.00 1.00 21988 11324
itemQ2.7_7:rt_exp.Q 0.69 0.72 -0.72 2.12 1.00 17521 13091
itemQ2.7_8:rt_exp.Q 1.94 0.75 0.50 3.42 1.00 17205 11691
itemQ2.7_9:rt_exp.Q 0.78 0.88 -0.97 2.48 1.00 18641 12458

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrleation:

	Lag_1	Lag_5	Lag_10
b_itemQ2.7_1	-0.020	0.014	0.016
b_itemQ2.7_2	-0.002	-0.011	0.009
b_itemQ2.7_3	-0.013	0.013	-0.011
b_itemQ2.7_4	-0.063	-0.001	-0.004
b_itemQ2.7_5	-0.086	-0.007	-0.009

itemQ3.1_1:weight_class.L 0.15 0.29 -0.44 0.71 1.00 11707 11539
itemQ3.1_10:weight_class.L -0.03 0.28 -0.60 0.52 1.00 10802 11970
itemQ3.1_11:weight_class.L 0.41 0.29 -0.15 0.99 1.00 12552 11329
itemQ3.1_12:weight_class.L 0.13 0.54 -0.93 1.22 1.00 18201 11530
itemQ3.1_13:weight_class.L -0.02 0.29 -0.58 0.54 1.00 12131 11703
itemQ3.1_14:weight_class.L 0.01 0.26 -0.52 0.51 1.00 11201 11009
itemQ3.1_15:weight_class.L -0.04 0.25 -0.53 0.43 1.00 10717 12186
itemQ3.1_16:weight_class.L 0.57 0.30 -0.02 1.16 1.00 13812 11571
itemQ3.1_17:weight_class.L 0.53 0.25 0.04 1.04 1.00 11131 11789
itemQ3.1_19:weight_class.L 2.78 2.51 -1.44 8.41 1.00 15220 9768
itemQ3.1_2:weight_class.L -0.05 0.25 -0.54 0.44 1.00 11007 12169
itemQ3.1_3:weight_class.L 0.37 0.37 -0.34 1.10 1.00 14283 11258
itemQ3.1_4:weight_class.L -0.12 0.26 -0.64 0.38 1.00 11067 10914
itemQ3.1_5:weight_class.L 1.01 0.35 0.34 1.73 1.00 13390 11971
itemQ3.1_6:weight_class.L -0.16 0.25 -0.67 0.34 1.00 11354 11636
itemQ3.1_7:weight_class.L 0.22 0.30 -0.36 0.79 1.00 12300 11633
itemQ3.1_8:weight_class.L 0.06 0.27 -0.48 0.59 1.00 11933 11836
itemQ3.1_9:weight_class.L 0.06 0.25 -0.43 0.55 1.00 11260 11405
itemQ3.1_1:weight_class.Q -0.48 0.26 -1.00 0.03 1.00 13152 11215
itemQ3.1_10:weight_class.Q -0.27 0.24 -0.75 0.20 1.00 12239 11504
itemQ3.1_11:weight_class.Q -0.26 0.25 -0.74 0.23 1.00 11770 11980
itemQ3.1_12:weight_class.Q 0.15 0.48 -0.79 1.11 1.00 17540 11306
itemQ3.1_13:weight_class.Q -0.30 0.24 -0.78 0.17 1.00 11731 11443
itemQ3.1_14:weight_class.Q -0.33 0.23 -0.79 0.12 1.00 11099 11426
itemQ3.1_15:weight_class.Q -0.59 0.21 -1.02 -0.17 1.00 11177 11606
itemQ3.1_16:weight_class.Q -0.53 0.28 -1.08 0.00 1.00 13681 11869
itemQ3.1_17:weight_class.Q -0.51 0.23 -0.96 -0.07 1.00 11312 10904
itemQ3.1_19:weight_class.Q 1.77 2.77 -3.19 7.83 1.00 13638 11196
itemQ3.1_2:weight_class.Q 0.02 0.21 -0.40 0.44 1.00 11342 10933
itemQ3.1_3:weight_class.Q -0.31 0.30 -0.90 0.27 1.00 14285 13019
itemQ3.1_4:weight_class.Q -0.09 0.22 -0.52 0.35 1.00 11823 11333
itemQ3.1_5:weight_class.Q -0.16 0.28 -0.71 0.38 1.00 13432 12234
itemQ3.1_6:weight_class.Q -0.06 0.22 -0.48 0.37 1.00 11612 11077
itemQ3.1_7:weight_class.Q -0.64 0.27 -1.18 -0.10 1.00 15217 11231

itemQ3.5_1:pl_exp.Q -0.49 0.53 -1.52 0.55 1.00 7922 10309
itemQ3.5_2:pl_exp.Q -0.70 0.55 -1.78 0.37 1.00 9036 10833
itemQ3.5_3:pl_exp.Q -1.13 0.63 -2.39 0.10 1.00 9947 10712
itemQ3.5_4:pl_exp.Q -1.04 0.52 -2.08 -0.02 1.00 8316 9952
itemQ3.5_5:pl_exp.Q -0.86 0.55 -1.93 0.25 1.00 9023 10914
itemQ3.5_6:pl_exp.Q -0.86 0.61 -2.06 0.32 1.00 9453 11291
itemQ3.5_7:pl_exp.Q -1.70 0.71 -3.11 -0.33 1.00 10954 11978
itemQ3.5_8:pl_exp.Q -1.76 0.65 -3.08 -0.51 1.00 9673 11360
itemQ3.5_9:pl_exp.Q -1.00 0.80 -2.64 0.51 1.00 10765 10936
itemQ3.5_1:rt_exp.L 0.08 0.09 -0.09 0.25 1.00 5784 10233
itemQ3.5_2:rt_exp.L -0.15 0.08 -0.31 0.02 1.00 5927 9745
itemQ3.5_3:rt_exp.L -0.05 0.10 -0.26 0.16 1.00 7190 10425
itemQ3.5_4:rt_exp.L 0.11 0.08 -0.05 0.27 1.00 5565 9902
itemQ3.5_5:rt_exp.L 0.01 0.09 -0.17 0.19 1.00 5743 9613
itemQ3.5_6:rt_exp.L -0.11 0.10 -0.31 0.08 1.00 6051 9852
itemQ3.5_7:rt_exp.L 0.02 0.10 -0.19 0.22 1.00 6410 9797
itemQ3.5_8:rt_exp.L 0.02 0.09 -0.17 0.20 1.00 5650 10005
itemQ3.5_9:rt_exp.L -0.11 0.14 -0.39 0.15 1.00 7247 9756
itemQ3.5_1:rt_exp.Q 1.41 0.83 -0.18 3.03 1.00 5931 10056
itemQ3.5_2:rt_exp.Q 0.20 0.83 -1.43 1.81 1.00 5979 10117
itemQ3.5_3:rt_exp.Q 0.11 0.95 -1.76 2.00 1.00 6699 10231
itemQ3.5_4:rt_exp.Q 0.99 0.78 -0.52 2.52 1.00 5794 8753
itemQ3.5_5:rt_exp.Q 0.61 0.88 -1.09 2.32 1.00 5990 10118
itemQ3.5_6:rt_exp.Q 0.03 0.89 -1.74 1.75 1.00 5719 9068
itemQ3.5_7:rt_exp.Q 0.47 0.97 -1.44 2.39 1.00 5947 9136
itemQ3.5_8:rt_exp.Q 0.80 0.87 -0.91 2.48 1.00 5602 8949
itemQ3.5_9:rt_exp.Q 0.39 1.16 -1.89 2.62 1.00 6290 9012

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ3.5_1	0.390	0.067	0.020
b_itemQ3.5_2	0.397	0.041	0.017
b_itemQ3.5_3	0.365	0.064	0.038
b_itemQ3.5_4	0.367	0.062	0.007
b_itemQ3.5_5	0.360	0.064	0.031

```
itemQ2.1_14:glp.L 0.13 0.05 0.03 0.23 1.00
10279 10884
itemQ2.1_15:glp.L 0.07 0.05 -0.03 0.17 1.00
9667 11143
itemQ2.1_16:glp.L 0.08 0.05 -0.01 0.18 1.00
9839 11117
itemQ2.1_18:glp.L 0.17 0.18 -0.16 0.56 1.00
14389 10758
itemQ2.1_2:glp.L -0.04 0.06 -0.16 0.07 1.00
12888 11059
itemQ2.1_3:glp.L 0.03 0.05 -0.06 0.12 1.00
9691 10933
itemQ2.1_4:glp.L -0.02 0.05 -0.11 0.08 1.00
9964 10711
itemQ2.1_5:glp.L -0.02 0.05 -0.13 0.08 1.00
10948 10403
itemQ2.1_6:glp.L 0.05 0.06 -0.07 0.16 1.00
12814 12167
itemQ2.1_7:glp.L -0.03 0.05 -0.13 0.07 1.00
11446 11246
itemQ2.1_8:glp.L 0.04 0.08 -0.12 0.19 1.00
14333 11964
itemQ2.1_9:glp.L -0.20 0.08 -0.35 -0.05 1.00
14080 12088
itemQ2.1_1:glp.Q -2.36 0.78 -3.90 -0.84 1.00
12074 11700
itemQ2.1_10:glp.Q -2.54 1.24 -5.12 -0.21 1.00
15719 12158
itemQ2.1_11:glp.Q -1.53 1.84 -5.39 1.83 1.00
14866 11142
itemQ2.1_12:glp.Q 0.13 0.88 -1.61 1.80 1.00
13659 11571
itemQ2.1_13:glp.Q -0.94 0.83 -2.53 0.70 1.00
12218 12423
itemQ2.1_14:glp.Q -0.84 0.85 -2.51 0.84 1.00
13906 11958
 [ reached getOption("max.print") -- omitted 79 rows ]

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).
> ### Autocorrelation
> posterior_samples <- as.array(q2.1.model)
> param_names <- dimnames(posterior_samples)[[3]] # Extract parameter names
> parameters_of_interest <- c(
+ grep("^b_item", param_names, value = TRUE), # This matches all item-related parameters
+ "b_Intercept", "b_sexMale", "b_divisionRaw",
+ "b_age.L", "b_weight_class.L", "b_glp.L",
+ "b_pl_exp.L", "b_rt_exp.L", "r_ResponseId__Intercept"
+ )
> lags <- c(1, 5, 10)
> get_autocorr <- function(param) {
+ if (!(param %in% param_names)) {
+ return(rep(NA, length(lags)))
+ }
+ ac_values <- sapply(lags, function(lag) {
+ max_lag <- min(lag, dim(posterior_samples)[1] - 1)
+ acf_values <- acf(posterior_samples[, , param], lag.max = max_lag, plot = FALSE)
+ if (lag <= length(acf_values$acf)) {
+ return(mean(acf_values$acf[lag + 1]))
+ } else {
+ return(NA)
+ }
```

```
b_itemQ2.5_6 -0.141 0.012 0.002
b_itemQ2.5_7 -0.082 0.002 -0.004
b_itemQ2.5_8 -0.137 -0.026 -0.005
b_itemQ2.5_9 -0.101 -0.007 -0.013
b_itemQ2.5_1:sexMale -0.201 0.025 0.011
b_itemQ2.5_2:sexMale -0.197 -0.016 -0.014
b_itemQ2.5_3:sexMale -0.230 -0.021 0.003
b_itemQ2.5_4:sexMale -0.228 -0.021 -0.008
b_itemQ2.5_5:sexMale -0.205 -0.014 -0.014
b_itemQ2.5_6:sexMale -0.225 -0.004 -0.004
b_itemQ2.5_7:sexMale -0.284 -0.015 -0.017
b_itemQ2.5_8:sexMale -0.209 0.004 -0.002
b_itemQ2.5_9:sexMale -0.325 -0.017 0.001
b_itemQ2.5_1:divisionRaw -0.100 -0.009 -0.028
b_itemQ2.5_2:divisionRaw -0.113 -0.022 -0.001
b_itemQ2.5_3:divisionRaw -0.170 0.051 0.017
b_itemQ2.5_4:divisionRaw -0.086 -0.033 -0.041
b_itemQ2.5_5:divisionRaw -0.107 -0.012 0.018
b_itemQ2.5_6:divisionRaw -0.155 0.004 0.009
b_itemQ2.5_7:divisionRaw -0.113 0.000 -0.021
b_itemQ2.5_8:divisionRaw -0.162 -0.018 -0.006
b_itemQ2.5_9:divisionRaw -0.139 0.008 -0.013
b_itemQ2.5_1:age.L -0.185 -0.001 -0.010
b_itemQ2.5_2:age.L -0.212 -0.001 0.018
b_itemQ2.5_3:age.L -0.193 0.010 0.016
b_itemQ2.5_4:age.L -0.213 -0.026 0.002
b_itemQ2.5_5:age.L -0.211 0.004 0.004
b_itemQ2.5_6:age.L -0.205 0.012 -0.019
b_itemQ2.5_7:age.L -0.234 -0.012 0.003
b_itemQ2.5_8:age.L -0.251 -0.002 0.011
b_itemQ2.5_9:age.L -0.204 0.008 -0.011
b_itemQ2.5_1:age.Q -0.162 0.010 0.009
b_itemQ2.5_2:age.Q -0.238 -0.002 -0.010
b_itemQ2.5_3:age.Q -0.197 0.032 0.008
b_itemQ2.5_4:age.Q -0.165 -0.010 0.023
b_itemQ2.5_5:age.Q -0.166 0.000 0.010
b_itemQ2.5_6:age.Q -0.225 0.004 -0.042
b_itemQ2.5_7:age.Q -0.267 0.046 -0.015
b_itemQ2.5_8:age.Q -0.273 -0.024 0.003
b_itemQ2.5_9:age.Q -0.259 -0.020 0.002
b_itemQ2.5_1:weight_class.L -0.225 -0.038 0.019
b_itemQ2.5_2:weight_class.L -0.222 0.001 0.016
b_itemQ2.5_3:weight_class.L -0.219 0.005 -0.031
b_itemQ2.5_4:weight_class.L -0.210 -0.014 0.016
b_itemQ2.5_5:weight_class.L -0.218 0.030 0.019
b_itemQ2.5_6:weight_class.L -0.219 0.022 0.005
b_itemQ2.5_7:weight_class.L -0.303 0.015 -0.001
b_itemQ2.5_8:weight_class.L -0.299 -0.030 0.025
b_itemQ2.5_9:weight_class.L -0.275 0.006 0.008
b_itemQ2.5_1:weight_class.Q -0.217 -0.023 -0.002
b_itemQ2.5_2:weight_class.Q -0.216 0.004 -0.031
b_itemQ2.5_3:weight_class.Q -0.240 0.006 -0.012
b_itemQ2.5_4:weight_class.Q -0.218 0.007 0.007
b_itemQ2.5_5:weight_class.Q -0.241 0.014 -0.010
b_itemQ2.5_6:weight_class.Q -0.261 0.005 0.021
b_itemQ2.5_7:weight_class.Q -0.351 0.000 -0.022
b_itemQ2.5_8:weight_class.Q -0.296 -0.025 0.027
b_itemQ2.5_9:weight_class.Q -0.320 -0.015 -0.009
b_itemQ2.5_1:glp.L -0.258 0.017 0.005
b_itemQ2.5_2:glp.L -0.223 0.003 -0.011
b_itemQ2.5_3:glp.L -0.231 0.016 0.004
b_itemQ2.5_4:glp.L -0.239 0.008 -0.018
b_itemQ2.5_5:glp.L -0.249 -0.024 0.019
b_itemQ2.5_6:glp.L -0.250 0.018 -0.005
b_itemQ2.5_7:glp.L -0.257 0.036 0.003
b_itemQ2.5_8:glp.L -0.232 -0.009 0.024
b_itemQ2.5_9:glp.L -0.297 -0.020 0.002
b_itemQ2.5_1:glp.Q -0.245 0.016 -0.002
b_itemQ2.5_2:glp.Q -0.295 -0.038 -0.002
```

```
b_itemQ2.6_6 0.116 0.003 0.033
b_itemQ2.6_7 0.119 0.010 -0.037
b_itemQ2.6_8 0.181 -0.009 0.004
b_itemQ2.6_9 0.164 0.034 -0.034
b_itemQ2.6_1:sexMale -0.134 -0.013 -0.034
b_itemQ2.6_2:sexMale -0.176 0.001 -0.004
b_itemQ2.6_3:sexMale -0.158 0.008 -0.018
b_itemQ2.6_4:sexMale -0.138 -0.016 0.008
b_itemQ2.6_5:sexMale -0.118 0.019 -0.018
b_itemQ2.6_6:sexMale -0.156 0.016 0.029
b_itemQ2.6_7:sexMale -0.171 -0.015 0.022
b_itemQ2.6_8:sexMale -0.147 -0.031 0.005
b_itemQ2.6_9:sexMale -0.132 -0.019 0.030
b_itemQ2.6_1:divisionRaw 0.017 -0.005 0.004
b_itemQ2.6_2:divisionRaw 0.112 -0.007 -0.001
b_itemQ2.6_3:divisionRaw 0.077 0.010 -0.036
b_itemQ2.6_4:divisionRaw 0.122 0.016 -0.001
b_itemQ2.6_5:divisionRaw 0.114 0.017 -0.011
b_itemQ2.6_6:divisionRaw 0.076 0.013 0.026
b_itemQ2.6_7:divisionRaw 0.089 0.011 -0.017
b_itemQ2.6_8:divisionRaw 0.161 -0.008 0.011
b_itemQ2.6_9:divisionRaw 0.157 0.032 -0.041
b_itemQ2.6_1:age.L -0.153 -0.009 -0.030
b_itemQ2.6_2:age.L -0.117 -0.005 -0.012
b_itemQ2.6_3:age.L 0.200 0.054 0.009
b_itemQ2.6_4:age.L -0.125 -0.023 -0.003
b_itemQ2.6_5:age.L -0.166 -0.004 -0.025
b_itemQ2.6_6:age.L -0.075 0.010 0.013
b_itemQ2.6_7:age.L -0.130 0.040 -0.004
b_itemQ2.6_8:age.L -0.154 0.001 -0.002
b_itemQ2.6_9:age.L -0.081 -0.019 0.007
b_itemQ2.6_1:age.Q -0.193 -0.008 -0.010
b_itemQ2.6_2:age.Q -0.130 0.002 0.020
b_itemQ2.6_3:age.Q 0.207 0.039 0.012
b_itemQ2.6_4:age.Q -0.153 0.000 0.012
b_itemQ2.6_5:age.Q -0.193 -0.015 0.007
b_itemQ2.6_6:age.Q -0.105 0.002 -0.018
b_itemQ2.6_7:age.Q -0.160 -0.026 0.010
b_itemQ2.6_8:age.Q -0.192 -0.015 0.013
b_itemQ2.6_9:age.Q -0.191 -0.045 -0.029
b_itemQ2.6_1:weight_class.L -0.197 -0.021 0.036
b_itemQ2.6_2:weight_class.L -0.219 0.001 0.003
b_itemQ2.6_3:weight_class.L -0.186 -0.014 0.007
b_itemQ2.6_4:weight_class.L -0.140 -0.020 0.005
b_itemQ2.6_5:weight_class.L -0.203 -0.007 0.014
b_itemQ2.6_6:weight_class.L -0.216 0.003 -0.014
b_itemQ2.6_7:weight_class.L -0.212 -0.019 -0.008
b_itemQ2.6_8:weight_class.L -0.165 -0.008 0.005
b_itemQ2.6_9:weight_class.L -0.201 -0.005 0.009
b_itemQ2.6_1:weight_class.Q -0.180 0.013 -0.019
b_itemQ2.6_2:weight_class.Q -0.211 -0.023 -0.013
b_itemQ2.6_3:weight_class.Q -0.231 0.026 -0.002
b_itemQ2.6_4:weight_class.Q -0.202 -0.034 -0.011
b_itemQ2.6_5:weight_class.Q -0.225 -0.003 -0.003
b_itemQ2.6_6:weight_class.Q -0.218 -0.017 -0.012
b_itemQ2.6_7:weight_class.Q -0.185 -0.043 -0.018
b_itemQ2.6_8:weight_class.Q -0.199 0.006 0.002
b_itemQ2.6_9:weight_class.Q -0.200 -0.001 0.017
b_itemQ2.6_1:glp.L -0.183 -0.034 0.003
b_itemQ2.6_2:glp.L -0.185 -0.022 -0.009
b_itemQ2.6_3:glp.L -0.184 0.001 -0.015
b_itemQ2.6_4:glp.L -0.187 0.009 0.000
b_itemQ2.6_5:glp.L -0.160 0.004 -0.015
b_itemQ2.6_6:glp.L -0.165 0.003 -0.032
b_itemQ2.6_7:glp.L -0.232 -0.009 -0.027
b_itemQ2.6_8:glp.L -0.195 -0.015 -0.003
b_itemQ2.6_9:glp.L -0.217 -0.023 -0.009
b_itemQ2.6_1:glp.Q -0.188 0.001 0.017
b_itemQ2.6_2:glp.Q -0.217 -0.037 -0.021
```

```
b_itemQ2.7_6 -0.012 0.022 0.031
b_itemQ2.7_7 -0.026 0.002 -0.002
b_itemQ2.7_8 -0.019 0.010 0.000
b_itemQ2.7_9 -0.008 -0.014 -0.019
b_itemQ2.7_1:sexMale -0.184 -0.010 -0.006
b_itemQ2.7_2:sexMale -0.161 0.001 -0.007
b_itemQ2.7_3:sexMale -0.240 -0.030 0.012
b_itemQ2.7_4:sexMale -0.154 0.003 0.043
b_itemQ2.7_5:sexMale -0.181 0.035 -0.011
b_itemQ2.7_6:sexMale -0.192 0.031 0.010
b_itemQ2.7_7:sexMale -0.122 -0.013 0.005
b_itemQ2.7_8:sexMale -0.154 0.018 -0.007
b_itemQ2.7_9:sexMale -0.206 -0.001 0.029
b_itemQ2.7_1:divisionRaw -0.040 0.022 0.008
b_itemQ2.7_2:divisionRaw -0.047 -0.024 0.021
b_itemQ2.7_3:divisionRaw -0.067 0.025 -0.013
b_itemQ2.7_4:divisionRaw -0.107 0.006 0.003
b_itemQ2.7_5:divisionRaw -0.119 0.005 -0.021
b_itemQ2.7_6:divisionRaw -0.028 0.018 0.035
b_itemQ2.7_7:divisionRaw -0.053 0.012 -0.005
b_itemQ2.7_8:divisionRaw -0.052 0.008 -0.014
b_itemQ2.7_9:divisionRaw -0.012 -0.007 -0.008
b_itemQ2.7_1:age.L -0.120 0.010 0.018
b_itemQ2.7_2:age.L 0.092 0.002 -0.013
b_itemQ2.7_3:age.L -0.026 0.003 -0.008
b_itemQ2.7_4:age.L -0.158 -0.017 -0.002
b_itemQ2.7_5:age.L -0.179 0.014 0.014
b_itemQ2.7_6:age.L -0.110 0.018 -0.016
b_itemQ2.7_7:age.L -0.133 0.008 0.011
b_itemQ2.7_8:age.L -0.146 -0.019 0.027
b_itemQ2.7_9:age.L -0.170 0.019 -0.030
b_itemQ2.7_1:age.Q -0.135 -0.003 0.020
b_itemQ2.7_2:age.Q 0.065 -0.006 -0.002
b_itemQ2.7_3:age.Q 0.034 -0.009 -0.018
b_itemQ2.7_4:age.Q -0.176 -0.002 -0.005
b_itemQ2.7_5:age.Q -0.168 0.035 0.000
b_itemQ2.7_6:age.Q -0.151 0.018 0.023
b_itemQ2.7_7:age.Q -0.119 0.014 0.001
b_itemQ2.7_8:age.Q -0.152 -0.025 -0.019
b_itemQ2.7_9:age.Q -0.162 0.017 -0.019
b_itemQ2.7_1:weight_class.L -0.176 0.011 0.011
b_itemQ2.7_2:weight_class.L -0.175 -0.017 0.006
b_itemQ2.7_3:weight_class.L -0.125 -0.024 0.010
b_itemQ2.7_4:weight_class.L -0.181 -0.007 0.018
b_itemQ2.7_5:weight_class.L -0.177 -0.005 -0.010
b_itemQ2.7_6:weight_class.L -0.206 0.023 0.008
b_itemQ2.7_7:weight_class.L -0.146 -0.002 0.022
b_itemQ2.7_8:weight_class.L -0.163 -0.010 -0.004
b_itemQ2.7_9:weight_class.L -0.138 -0.014 0.000
b_itemQ2.7_1:weight_class.Q -0.220 0.015 0.004
b_itemQ2.7_2:weight_class.Q -0.233 -0.021 0.025
b_itemQ2.7_3:weight_class.Q -0.165 -0.004 0.006
b_itemQ2.7_4:weight_class.Q -0.223 -0.015 -0.009
b_itemQ2.7_5:weight_class.Q -0.184 0.014 0.000
b_itemQ2.7_6:weight_class.Q -0.222 -0.018 -0.008
b_itemQ2.7_7:weight_class.Q -0.168 0.013 -0.014
b_itemQ2.7_8:weight_class.Q -0.156 -0.002 -0.002
b_itemQ2.7_9:weight_class.Q -0.178 -0.008 0.005
b_itemQ2.7_1:glp.L -0.167 0.019 0.028
b_itemQ2.7_2:glp.L -0.159 -0.006 0.026
b_itemQ2.7_3:glp.L -0.117 0.012 0.007
b_itemQ2.7_4:glp.L -0.183 -0.022 0.003
b_itemQ2.7_5:glp.L -0.170 -0.019 -0.032
b_itemQ2.7_6:glp.L -0.176 -0.019 0.004
b_itemQ2.7_7:glp.L -0.163 -0.004 0.007
b_itemQ2.7_8:glp.L -0.148 0.019 0.003
b_itemQ2.7_9:glp.L -0.198 0.046 -0.018
b_itemQ2.7_1:glp.Q -0.175 -0.015 -0.038
b_itemQ2.7_2:glp.Q -0.154 0.006 -0.015
```

```
itemQ3.1_8:weight_class.Q -0.20 0.23 -0.64 0.24 1.00
12316 12395
itemQ3.1_9:weight_class.Q -0.11 0.21 -0.53 0.30 1.00
11041 10952
itemQ3.1_1:glp.L 0.09 0.06 -0.03 0.21 1.00
11634 10997
itemQ3.1_10:glp.L 0.02 0.06 -0.09 0.13 1.00
11201 10361
itemQ3.1_11:glp.L 0.16 0.07 0.03 0.29 1.00
13387 11924
itemQ3.1_12:glp.L 0.26 0.14 0.01 0.54 1.00
14184 10360
itemQ3.1_13:glp.L -0.01 0.06 -0.13 0.11 1.00
12941 11339
itemQ3.1_14:glp.L 0.08 0.06 -0.03 0.19 1.00
11063 10685
itemQ3.1_15:glp.L 0.09 0.05 -0.01 0.19 1.00
9694 10690
itemQ3.1_16:glp.L 0.04 0.06 -0.09 0.16 1.00
12684 10910
itemQ3.1_17:glp.L 0.11 0.05 0.01 0.22 1.00
10581 11174
itemQ3.1_19:glp.L 0.70 0.55 -0.30 1.86 1.00
13620 12686
itemQ3.1_2:glp.L -0.06 0.05 -0.16 0.04 1.00
9600 11531
itemQ3.1_3:glp.L 0.08 0.07 -0.07 0.22 1.00
14053 11894
itemQ3.1_4:glp.L 0.00 0.05 -0.10 0.11 1.00
10933 11212
itemQ3.1_5:glp.L 0.06 0.07 -0.07 0.19 1.00
14305 12756
itemQ3.1_6:glp.L -0.11 0.05 -0.21 -0.01 1.00
9622 10311
itemQ3.1_7:glp.L 0.03 0.06 -0.09 0.15 1.00
11559 9955
 [ reached getOption("max.print") -- omitted 92 rows ]

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation
                    Lag_1 Lag_5 Lag_10
b_itemQ3.1_1 0.361 0.034 0.014
b_itemQ3.1_10 0.358 0.074 0.030
b_itemQ3.1_11 0.385 0.051 0.017
b_itemQ3.1_12 0.367 0.034 -0.026
b_itemQ3.1_13 0.407 0.060 0.009
b_itemQ3.1_14 0.364 0.053 0.013
b_itemQ3.1_15 0.361 0.057 -0.004
b_itemQ3.1_16 0.364 0.066 0.015
b_itemQ3.1_17 0.381 0.071 0.046
b_itemQ3.1_19 0.264 0.022 0.003
b_itemQ3.1_2 0.409 0.067 0.014
b_itemQ3.1_3 0.402 0.095 0.049
b_itemQ3.1_4 0.383 0.088 0.037
b_itemQ3.1_5 0.386 0.074 0.026
b_itemQ3.1_6 0.382 0.088 0.046
b_itemQ3.1_7 0.368 0.047 0.026
b_itemQ3.1_8 0.350 0.031 0.005
b_itemQ3.1_9 0.393 0.082 0.033
b_itemQ3.1_1:sexMale 0.112 0.059 0.028
b_itemQ3.1_10:sexMale 0.131 0.032 0.045
b_itemQ3.1_11:sexMale 0.078 0.057 0.016
b_itemQ3.1_12:sexMale 0.093 0.010 0.017
```

```
b_itemQ3.5_6 0.361 0.015 0.025
b_itemQ3.5_7 0.400 0.027 0.014
b_itemQ3.5_8 0.385 0.073 0.017
b_itemQ3.5_9 0.378 0.054 0.006
b_itemQ3.5_1:sexMale 0.095 0.063 0.023
b_itemQ3.5_2:sexMale 0.107 0.058 0.007
b_itemQ3.5_3:sexMale 0.084 0.045 0.008
b_itemQ3.5_4:sexMale 0.133 0.067 -0.009
b_itemQ3.5_5:sexMale 0.128 0.060 0.006
b_itemQ3.5_6:sexMale 0.060 0.050 0.017
b_itemQ3.5_7:sexMale 0.078 0.039 0.005
b_itemQ3.5_8:sexMale 0.113 0.058 0.024
b_itemQ3.5_9:sexMale 0.081 0.045 0.016
b_itemQ3.5_1:divisionRaw 0.377 0.069 0.012
b_itemQ3.5_2:divisionRaw 0.373 0.025 0.006
b_itemQ3.5_3:divisionRaw 0.339 0.077 0.027
b_itemQ3.5_4:divisionRaw 0.351 0.054 0.002
b_itemQ3.5_5:divisionRaw 0.329 0.060 0.021
b_itemQ3.5_6:divisionRaw 0.340 0.013 0.023
b_itemQ3.5_7:divisionRaw 0.388 0.023 0.002
b_itemQ3.5_8:divisionRaw 0.370 0.057 0.009
b_itemQ3.5_9:divisionRaw 0.349 0.054 -0.007
b_itemQ3.5_1:age.L 0.113 0.058 0.004
b_itemQ3.5_2:age.L 0.145 0.044 0.039
b_itemQ3.5_3:age.L 0.147 0.043 -0.015
b_itemQ3.5_4:age.L 0.146 0.075 0.022
b_itemQ3.5_5:age.L 0.139 0.074 0.011
b_itemQ3.5_6:age.L 0.117 0.055 0.029
b_itemQ3.5_7:age.L 0.073 0.039 0.008
b_itemQ3.5_8:age.L 0.154 0.042 0.038
b_itemQ3.5_9:age.L 0.142 0.061 0.028
b_itemQ3.5_1:age.Q 0.111 0.053 -0.003
b_itemQ3.5_2:age.Q 0.071 0.054 0.011
b_itemQ3.5_3:age.Q 0.158 0.058 0.016
b_itemQ3.5_4:age.Q 0.098 0.061 0.006
b_itemQ3.5_5:age.Q 0.061 0.050 -0.004
b_itemQ3.5_6:age.Q 0.096 0.052 0.000
b_itemQ3.5_7:age.Q 0.111 0.021 -0.010
b_itemQ3.5_8:age.Q 0.104 0.073 0.021
b_itemQ3.5_9:age.Q 0.099 0.043 0.042
b_itemQ3.5_1:weight_class.L 0.126 0.052 -0.021
b_itemQ3.5_2:weight_class.L 0.108 0.088 0.015
b_itemQ3.5_3:weight_class.L 0.094 0.044 0.033
b_itemQ3.5_4:weight_class.L 0.124 0.050 -0.001
b_itemQ3.5_5:weight_class.L 0.099 0.029 0.032
b_itemQ3.5_6:weight_class.L 0.099 0.073 0.003
b_itemQ3.5_7:weight_class.L 0.092 0.029 0.028
b_itemQ3.5_8:weight_class.L 0.102 0.069 0.013
b_itemQ3.5_9:weight_class.L 0.080 -0.005 0.019
b_itemQ3.5_1:weight_class.Q 0.089 0.022 0.017
b_itemQ3.5_2:weight_class.Q 0.064 0.055 0.014
b_itemQ3.5_3:weight_class.Q 0.030 0.039 0.004
b_itemQ3.5_4:weight_class.Q 0.108 0.057 0.024
b_itemQ3.5_5:weight_class.Q 0.106 0.033 -0.008
b_itemQ3.5_6:weight_class.Q 0.075 0.066 0.022
b_itemQ3.5_7:weight_class.Q 0.030 0.044 0.014
b_itemQ3.5_8:weight_class.Q 0.090 0.072 0.027
b_itemQ3.5_9:weight_class.Q 0.057 -0.015 -0.028
b_itemQ3.5_1:glp.L 0.116 0.053 0.020
b_itemQ3.5_2:glp.L 0.103 0.064 0.009
b_itemQ3.5_3:glp.L 0.122 0.013 -0.003
b_itemQ3.5_4:glp.L 0.106 0.049 -0.010
b_itemQ3.5_5:glp.L 0.108 0.045 -0.002
b_itemQ3.5_6:glp.L 0.167 0.071 0.018
b_itemQ3.5_7:glp.L 0.083 0.035 0.020
b_itemQ3.5_8:glp.L 0.093 0.040 0.017
b_itemQ3.5_9:glp.L 0.140 0.049 0.015
b_itemQ3.5_1:glp.Q 0.080 0.018 0.009
b_itemQ3.5_2:glp.Q 0.111 0.029 -0.013
```

```
+ })
+ return(ac_values)
+ }
> autocorr_summary <- t(sapply(parameters_of_interest, get_autocorr))
> colnames(autocorr_summary) <- paste0("Lag_", lags)
> rownames(autocorr_summary) <- parameters_of_interest
> print(round(autocorr_summary, 3))

Autocorrelation:
                                Lag_1  Lag_5 Lag_10
b_itemQ2.1_1                    0.288  0.033  0.033
b_itemQ2.1_10                   0.317  0.052  0.031
b_itemQ2.1_11                   0.283  0.009  0.019
b_itemQ2.1_12                   0.323  0.102  0.016
b_itemQ2.1_13                   0.318  0.107  0.013
b_itemQ2.1_14                   0.329  0.075  0.023
b_itemQ2.1_15                   0.305  0.075  0.018
b_itemQ2.1_16                   0.326  0.091  0.029
b_itemQ2.1_18                   0.250  0.018  0.012
b_itemQ2.1_2                    0.281  0.081  0.057
b_itemQ2.1_3                    0.296  0.077  0.059
b_itemQ2.1_4                    0.326  0.093  0.048
b_itemQ2.1_5                    0.336  0.073  0.041
b_itemQ2.1_6                    0.317  0.082  0.027
b_itemQ2.1_7                    0.319  0.098  0.042
b_itemQ2.1_8                    0.395  0.033 -0.006
b_itemQ2.1_9                    0.315  0.061  0.042
b_itemQ2.1_1:sexMale            0.080  0.029  0.028
b_itemQ2.1_10:sexMale           0.045  0.043 -0.009
b_itemQ2.1_11:sexMale          -0.067 -0.002  0.023
b_itemQ2.1_12:sexMale           0.019  0.030  0.017
b_itemQ2.1_13:sexMale           0.029  0.028  0.015
b_itemQ2.1_14:sexMale           0.060  0.046 -0.019
b_itemQ2.1_15:sexMale           0.022  0.033 -0.004
b_itemQ2.1_16:sexMale           0.104  0.016  0.017
b_itemQ2.1_18:sexMale           0.156  0.010  0.001
b_itemQ2.1_2:sexMale            0.018  0.023  0.030
b_itemQ2.1_3:sexMale            0.070  0.051  0.008
b_itemQ2.1_4:sexMale            0.079  0.043 -0.008
b_itemQ2.1_5:sexMale            0.028  0.043  0.025
b_itemQ2.1_6:sexMale            0.029  0.012  0.015
b_itemQ2.1_7:sexMale            0.033  0.031  0.007
b_itemQ2.1_8:sexMale            0.018 -0.014  0.006
b_itemQ2.1_9:sexMale            0.016  0.029  0.003
b_itemQ2.1_1:divisionRaw        0.245  0.035  0.031
b_itemQ2.1_10:divisionRaw       0.246  0.035  0.015
b_itemQ2.1_11:divisionRaw       0.283  0.000  0.026
b_itemQ2.1_12:divisionRaw       0.263  0.096  0.021
b_itemQ2.1_13:divisionRaw       0.268  0.096  0.029
b_itemQ2.1_14:divisionRaw       0.291  0.064  0.014
b_itemQ2.1_15:divisionRaw       0.276  0.085  0.021
b_itemQ2.1_16:divisionRaw       0.280  0.072  0.024
b_itemQ2.1_18:divisionRaw       0.077 -0.002  0.009
b_itemQ2.1_2:divisionRaw        0.200  0.064  0.038
b_itemQ2.1_3:divisionRaw        0.278  0.089  0.059
b_itemQ2.1_4:divisionRaw        0.282  0.088  0.052
b_itemQ2.1_5:divisionRaw        0.266  0.060  0.020
b_itemQ2.1_6:divisionRaw        0.240  0.070  0.028
b_itemQ2.1_7:divisionRaw        0.294  0.087  0.043
b_itemQ2.1_8:divisionRaw        0.365  0.015 -0.016
b_itemQ2.1_9:divisionRaw        0.261  0.064  0.040
b_itemQ2.1_1:age.L              0.106  0.038  0.042
b_itemQ2.1_10:age.L            -0.022  0.024  0.010
b_itemQ2.1_11:age.L             0.053  0.006  0.014
b_itemQ2.1_12:age.L             0.041  0.053  0.025
b_itemQ2.1_13:age.L             0.089  0.025  0.017
b_itemQ2.1_14:age.L             0.115  0.091  0.035
b_itemQ2.1_15:age.L             0.063  0.067 -0.012
b_itemQ2.5_3:glp.Q             -0.281 -0.006  0.003
b_itemQ2.5_4:glp.Q             -0.250 -0.030  0.000
b_itemQ2.5_5:glp.Q             -0.217 -0.012 -0.006
b_itemQ2.5_6:glp.Q             -0.259 -0.026  0.019
b_itemQ2.5_7:glp.Q             -0.334  0.020 -0.017
b_itemQ2.5_8:glp.Q             -0.262 -0.038 -0.012
b_itemQ2.5_9:glp.Q             -0.323 -0.040  0.010
b_itemQ2.5_1:pl_exp.L          -0.161 -0.007 -0.002
b_itemQ2.5_2:pl_exp.L          -0.175 -0.004 -0.025
b_itemQ2.5_3:pl_exp.L          -0.232 -0.012 -0.003
b_itemQ2.5_4:pl_exp.L          -0.168  0.024 -0.025
b_itemQ2.5_5:pl_exp.L          -0.126  0.008 -0.005
b_itemQ2.5_6:pl_exp.L          -0.209  0.020 -0.012
b_itemQ2.5_7:pl_exp.L          -0.303 -0.018 -0.012
b_itemQ2.5_8:pl_exp.L          -0.210 -0.014  0.017
b_itemQ2.5_9:pl_exp.L          -0.270 -0.003  0.002
b_itemQ2.5_1:pl_exp.Q          -0.219 -0.015 -0.020
b_itemQ2.5_2:pl_exp.Q          -0.248 -0.023  0.006
b_itemQ2.5_3:pl_exp.Q          -0.302  0.003  0.012
b_itemQ2.5_4:pl_exp.Q          -0.212 -0.031  0.009
b_itemQ2.5_5:pl_exp.Q          -0.235  0.026  0.025
b_itemQ2.5_6:pl_exp.Q          -0.309 -0.040 -0.013
b_itemQ2.5_7:pl_exp.Q          -0.338  0.024 -0.007
b_itemQ2.5_8:pl_exp.Q          -0.312 -0.023  0.005
b_itemQ2.5_9:pl_exp.Q          -0.329 -0.004 -0.002
b_itemQ2.5_1:rt_exp.L          -0.064 -0.033  0.012
b_itemQ2.5_2:rt_exp.L          -0.108  0.023 -0.037
b_itemQ2.5_3:rt_exp.L          -0.100 -0.023 -0.003
b_itemQ2.5_4:rt_exp.L          -0.042 -0.008  0.003
b_itemQ2.5_5:rt_exp.L          -0.070 -0.020 -0.015
b_itemQ2.5_6:rt_exp.L          -0.103 -0.004 -0.031
b_itemQ2.5_7:rt_exp.L          -0.187 -0.022  0.000
b_itemQ2.5_8:rt_exp.L          -0.097 -0.017 -0.006
b_itemQ2.5_9:rt_exp.L          -0.136  0.019 -0.025
b_itemQ2.5_1:rt_exp.Q          -0.065 -0.040  0.010
b_itemQ2.5_2:rt_exp.Q          -0.084  0.029 -0.017
b_itemQ2.5_3:rt_exp.Q          -0.102 -0.030 -0.012
b_itemQ2.5_4:rt_exp.Q          -0.051  0.002  0.008
b_itemQ2.5_5:rt_exp.Q          -0.052  0.001 -0.016
b_itemQ2.5_6:rt_exp.Q          -0.118  0.019 -0.032
b_itemQ2.5_7:rt_exp.Q          -0.180 -0.024  0.004
b_itemQ2.5_8:rt_exp.Q          -0.097 -0.008 -0.003
b_itemQ2.5_9:rt_exp.Q          -0.093  0.016 -0.024
b_Intercept                     NA     NA     NA
b_sexMale                       NA     NA     NA
b_divisionRaw                   NA     NA     NA
b_age.L                         NA     NA     NA
b_weight_class.L                NA     NA     NA
b_glp.L                         NA     NA     NA
b_pl_exp.L                      NA     NA     NA
b_rt_exp.L                      NA     NA     NA
r_ResponseId__Intercept         NA     NA     NA
b_itemQ2.6_3:glp.Q             -0.206  0.002 -0.018
b_itemQ2.6_4:glp.Q             -0.205 -0.003  0.004
b_itemQ2.6_5:glp.Q             -0.167 -0.008  0.028
b_itemQ2.6_6:glp.Q             -0.198 -0.011  0.017
b_itemQ2.6_7:glp.Q             -0.170  0.009  0.001
b_itemQ2.6_8:glp.Q             -0.190 -0.010  0.006
b_itemQ2.6_9:glp.Q             -0.256 -0.029  0.023
b_itemQ2.6_1:pl_exp.L          -0.173  0.020  0.020
b_itemQ2.6_2:pl_exp.L          -0.199 -0.034 -0.005
b_itemQ2.6_3:pl_exp.L          -0.204 -0.003 -0.028
b_itemQ2.6_4:pl_exp.L          -0.125  0.015 -0.004
b_itemQ2.6_5:pl_exp.L          -0.124  0.023 -0.004
b_itemQ2.6_6:pl_exp.L          -0.092 -0.013 -0.005
b_itemQ2.6_7:pl_exp.L          -0.178 -0.035  0.037
b_itemQ2.6_8:pl_exp.L          -0.171 -0.038 -0.009
b_itemQ2.6_9:pl_exp.L          -0.159 -0.018 -0.007
b_itemQ2.6_1:pl_exp.Q          -0.227 -0.012 -0.023
b_itemQ2.6_2:pl_exp.Q          -0.226  0.001  0.018
b_itemQ2.6_3:pl_exp.Q          -0.247 -0.006  0.010
b_itemQ2.6_4:pl_exp.Q          -0.210 -0.003  0.008
b_itemQ2.6_5:pl_exp.Q          -0.198 -0.028  0.010
b_itemQ2.6_6:pl_exp.Q          -0.224 -0.032 -0.041
b_itemQ2.6_7:pl_exp.Q          -0.220  0.011 -0.015
b_itemQ2.6_8:pl_exp.Q          -0.207 -0.021  0.003
b_itemQ2.6_9:pl_exp.Q          -0.225  0.004  0.016
b_itemQ2.6_1:rt_exp.L           0.076  0.009 -0.009
b_itemQ2.6_2:rt_exp.L           0.073  0.002 -0.022
b_itemQ2.6_3:rt_exp.L           0.092  0.015 -0.006
b_itemQ2.6_4:rt_exp.L           0.136  0.007  0.009
b_itemQ2.6_5:rt_exp.L           0.101 -0.042  0.009
b_itemQ2.6_6:rt_exp.L           0.105 -0.012 -0.039
b_itemQ2.6_7:rt_exp.L           0.128  0.010  0.003
b_itemQ2.6_8:rt_exp.L           0.087 -0.030 -0.011
b_itemQ2.6_9:rt_exp.L           0.048 -0.032 -0.001
b_itemQ2.6_1:rt_exp.Q           0.115 -0.006 -0.018
b_itemQ2.6_2:rt_exp.Q           0.104 -0.002 -0.033
b_itemQ2.6_3:rt_exp.Q           0.105 -0.008 -0.027
b_itemQ2.6_4:rt_exp.Q           0.161  0.026  0.000
b_itemQ2.6_5:rt_exp.Q           0.138 -0.010 -0.013
b_itemQ2.6_6:rt_exp.Q           0.125 -0.004 -0.032
b_itemQ2.6_7:rt_exp.Q           0.160  0.027 -0.015
b_itemQ2.6_8:rt_exp.Q           0.106 -0.015  0.004
b_itemQ2.6_9:rt_exp.Q           0.094  0.022 -0.022
b_Intercept                     NA     NA     NA
b_sexMale                       NA     NA     NA
b_divisionRaw                   NA     NA     NA
b_age.L                         NA     NA     NA
b_weight_class.L                NA     NA     NA
b_glp.L                         NA     NA     NA
b_pl_exp.L                      NA     NA     NA
b_rt_exp.L                      NA     NA     NA
r_ResponseId__Intercept         NA     NA     NA
b_itemQ2.7_3:glp.Q             -0.205 -0.014  0.013
b_itemQ2.7_4:glp.Q             -0.220  0.013  0.015
b_itemQ2.7_5:glp.Q             -0.171  0.000 -0.016
b_itemQ2.7_6:glp.Q             -0.203  0.017  0.013
b_itemQ2.7_7:glp.Q             -0.168 -0.023 -0.001
b_itemQ2.7_8:glp.Q             -0.194  0.032 -0.026
b_itemQ2.7_9:glp.Q             -0.207 -0.023 -0.011
b_itemQ2.7_1:pl_exp.L          -0.142 -0.014  0.002
b_itemQ2.7_2:pl_exp.L          -0.134 -0.002 -0.007
b_itemQ2.7_3:pl_exp.L          -0.029  0.018 -0.011
b_itemQ2.7_4:pl_exp.L          -0.159  0.022  0.006
b_itemQ2.7_5:pl_exp.L          -0.169  0.039  0.023
b_itemQ2.7_6:pl_exp.L          -0.167  0.025 -0.011
b_itemQ2.7_7:pl_exp.L          -0.130 -0.006 -0.026
b_itemQ2.7_8:pl_exp.L          -0.135  0.005  0.025
b_itemQ2.7_9:pl_exp.L          -0.147  0.007 -0.028
b_itemQ2.7_1:pl_exp.Q          -0.157  0.013  0.002
b_itemQ2.7_2:pl_exp.Q          -0.203 -0.024  0.009
b_itemQ2.7_3:pl_exp.Q          -0.125  0.012  0.004
b_itemQ2.7_4:pl_exp.Q          -0.204  0.001 -0.004
b_itemQ2.7_5:pl_exp.Q          -0.182 -0.015 -0.011
b_itemQ2.7_6:pl_exp.Q          -0.174  0.012  0.001
b_itemQ2.7_7:pl_exp.Q          -0.176 -0.042 -0.003
b_itemQ2.7_8:pl_exp.Q          -0.150 -0.014 -0.006
b_itemQ2.7_9:pl_exp.Q          -0.187 -0.006 -0.006
b_itemQ2.7_1:rt_exp.L          -0.086  0.016  0.038
b_itemQ2.7_2:rt_exp.L          -0.149 -0.009  0.019
b_itemQ2.7_3:rt_exp.L          -0.129  0.019  0.002
b_itemQ2.7_4:rt_exp.L          -0.089  0.014 -0.002
b_itemQ2.7_5:rt_exp.L          -0.112  0.018  0.006
b_itemQ2.7_6:rt_exp.L          -0.089  0.018 -0.001
b_itemQ2.7_7:rt_exp.L          -0.025  0.021  0.015
b_itemQ2.7_8:rt_exp.L          -0.065  0.012 -0.008
b_itemQ2.7_9:rt_exp.L          -0.056 -0.007 -0.018
b_itemQ2.7_1:rt_exp.Q          -0.097  0.001  0.021
b_itemQ2.7_2:rt_exp.Q          -0.140 -0.012 -0.015
b_itemQ2.7_3:rt_exp.Q          -0.127 -0.011 -0.018
b_itemQ2.7_4:rt_exp.Q          -0.078  0.005  0.016
b_itemQ2.7_5:rt_exp.Q          -0.091  0.020  0.025
b_itemQ2.7_6:rt_exp.Q          -0.131  0.009  0.022
b_itemQ2.7_7:rt_exp.Q          -0.030  0.012 -0.004
b_itemQ2.7_8:rt_exp.Q          -0.069  0.001  0.009
b_itemQ2.7_9:rt_exp.Q          -0.050 -0.005  0.013
b_Intercept                     NA     NA     NA
b_sexMale                       NA     NA     NA
b_divisionRaw                   NA     NA     NA
b_age.L                         NA     NA     NA
b_weight_class.L                NA     NA     NA
b_glp.L                         NA     NA     NA
b_pl_exp.L                      NA     NA     NA
b_rt_exp.L                      NA     NA     NA
r_ResponseId__Intercept         NA     NA     NA
b_itemQ3.1_13:sexMale           0.092  0.072  0.000
b_itemQ3.1_14:sexMale           0.150  0.052  0.009
b_itemQ3.1_15:sexMale           0.091  0.060  0.024
b_itemQ3.1_16:sexMale           0.098 -0.001  0.024
b_itemQ3.1_17:sexMale           0.109  0.058  0.001
b_itemQ3.1_19:sexMale           0.160  0.009 -0.034
b_itemQ3.1_2:sexMale            0.068  0.039  0.016
b_itemQ3.1_3:sexMale            0.100  0.032 -0.015
b_itemQ3.1_4:sexMale            0.116  0.034  0.002
b_itemQ3.1_5:sexMale            0.102  0.046  0.026
b_itemQ3.1_6:sexMale            0.112  0.028  0.009
b_itemQ3.1_7:sexMale            0.112  0.017  0.005
b_itemQ3.1_8:sexMale            0.109  0.033  0.038
b_itemQ3.1_9:sexMale            0.080  0.040  0.039
b_itemQ3.1_1:divisionRaw        0.324  0.037  0.000
b_itemQ3.1_10:divisionRaw       0.319  0.080  0.004
b_itemQ3.1_11:divisionRaw       0.384  0.031  0.014
b_itemQ3.1_12:divisionRaw       0.334  0.033 -0.007
b_itemQ3.1_13:divisionRaw       0.392  0.059  0.001
b_itemQ3.1_14:divisionRaw       0.311  0.052  0.013
b_itemQ3.1_15:divisionRaw       0.355  0.056 -0.001
b_itemQ3.1_16:divisionRaw       0.327  0.068  0.014
b_itemQ3.1_17:divisionRaw       0.332  0.052  0.036
b_itemQ3.1_19:divisionRaw       0.235  0.039 -0.020
b_itemQ3.1_2:divisionRaw        0.386  0.083  0.009
b_itemQ3.1_3:divisionRaw        0.342  0.084  0.031
b_itemQ3.1_4:divisionRaw        0.354  0.081  0.031
b_itemQ3.1_5:divisionRaw        0.345  0.071  0.023
b_itemQ3.1_6:divisionRaw        0.345  0.082  0.049
b_itemQ3.1_7:divisionRaw        0.311  0.052  0.032
b_itemQ3.1_8:divisionRaw        0.317  0.042 -0.001
b_itemQ3.1_9:divisionRaw        0.353  0.078  0.047
b_itemQ3.1_1:age.L              0.056  0.073 -0.002
b_itemQ3.1_10:age.L             0.107  0.040  0.027
b_itemQ3.1_11:age.L             0.118  0.049  0.022
b_itemQ3.1_12:age.L             0.097  0.028 -0.022
b_itemQ3.1_13:age.L             0.116  0.094  0.032
b_itemQ3.1_14:age.L             0.092  0.057  0.010
b_itemQ3.1_15:age.L             0.150  0.068  0.033
b_itemQ3.1_16:age.L             0.076  0.052  0.005
b_itemQ3.1_17:age.L             0.129  0.071 -0.001
b_itemQ3.1_19:age.L             0.104  0.018 -0.024
b_itemQ3.1_2:age.L              0.108  0.084  0.026
b_itemQ3.1_3:age.L              0.079  0.046 -0.008
b_itemQ3.1_4:age.L              0.109  0.057  0.020
b_itemQ3.1_5:age.L              0.090  0.008  0.033
b_itemQ3.1_6:age.L              0.168  0.058  0.022
b_itemQ3.1_7:age.L              0.144  0.036  0.013
b_itemQ3.1_8:age.L              0.102  0.078  0.037
b_itemQ3.1_9:age.L              0.128  0.076  0.041
b_itemQ3.1_1:age.Q              0.030  0.047  0.035
b_itemQ3.1_10:age.Q             0.073  0.063  0.021
b_itemQ3.1_11:age.Q             0.092  0.051  0.006
b_itemQ3.1_12:age.Q             0.095  0.003 -0.018
b_itemQ3.1_13:age.Q             0.033  0.047 -0.002
b_itemQ3.1_14:age.Q             0.087  0.024  0.006
b_itemQ3.1_15:age.Q             0.085  0.074  0.017
b_itemQ3.1_16:age.Q             0.023  0.043  0.005
b_itemQ3.1_17:age.Q             0.074  0.065  0.033
b_itemQ3.1_19:age.Q             0.125  0.029  0.002
b_itemQ3.1_2:age.Q              0.085  0.054 -0.001
b_itemQ3.1_3:age.Q              0.105  0.049  0.000
b_itemQ3.1_4:age.Q              0.038  0.056  0.028
b_itemQ3.1_5:age.Q              0.091  0.041  0.025
b_itemQ3.1_6:age.Q              0.095  0.044  0.028
b_itemQ3.1_7:age.Q              0.078  0.040  0.008
b_itemQ3.1_8:age.Q              0.059  0.047  0.024
b_itemQ3.1_9:age.Q              0.086  0.081 -0.001
b_itemQ3.1_1:weight_class.L     0.095  0.066 -0.032
b_itemQ3.5_3:glp.Q              0.037  0.047 -0.003
b_itemQ3.5_4:glp.Q              0.054  0.043 -0.039
b_itemQ3.5_5:glp.Q              0.076  0.032  0.015
b_itemQ3.5_6:glp.Q              0.106  0.005 -0.026
b_itemQ3.5_7:glp.Q              0.048  0.017  0.016
b_itemQ3.5_8:glp.Q              0.114  0.048  0.011
b_itemQ3.5_9:glp.Q              0.107  0.044  0.006
b_itemQ3.5_1:pl_exp.L           0.110  0.080  0.013
b_itemQ3.5_2:pl_exp.L           0.122  0.075  0.038
b_itemQ3.5_3:pl_exp.L           0.065  0.044  0.001
b_itemQ3.5_4:pl_exp.L           0.155  0.055  0.050
b_itemQ3.5_5:pl_exp.L           0.102  0.067 -0.012
b_itemQ3.5_6:pl_exp.L           0.086  0.038  0.008
b_itemQ3.5_7:pl_exp.L           0.093  0.040 -0.009
b_itemQ3.5_8:pl_exp.L           0.088  0.034  0.032
b_itemQ3.5_9:pl_exp.L           0.110  0.041  0.024
b_itemQ3.5_1:pl_exp.Q           0.119  0.063  0.020
b_itemQ3.5_2:pl_exp.Q           0.075  0.042  0.007
b_itemQ3.5_3:pl_exp.Q           0.073  0.035  0.027
b_itemQ3.5_4:pl_exp.Q           0.126  0.055  0.027
b_itemQ3.5_5:pl_exp.Q           0.115  0.081  0.006
b_itemQ3.5_6:pl_exp.Q           0.141  0.002 -0.008
b_itemQ3.5_7:pl_exp.Q           0.016  0.008 -0.007
b_itemQ3.5_8:pl_exp.Q           0.082  0.005 -0.003
b_itemQ3.5_9:pl_exp.Q           0.160  0.011  0.019
b_itemQ3.5_1:rt_exp.L           0.308  0.083  0.047
b_itemQ3.5_2:rt_exp.L           0.332  0.085  0.020
b_itemQ3.5_3:rt_exp.L           0.307  0.083 -0.007
b_itemQ3.5_4:rt_exp.L           0.342  0.105  0.047
b_itemQ3.5_5:rt_exp.L           0.314  0.102  0.033
b_itemQ3.5_6:rt_exp.L           0.300  0.073  0.034
b_itemQ3.5_7:rt_exp.L           0.338  0.055  0.029
b_itemQ3.5_8:rt_exp.L           0.348  0.089  0.024
b_itemQ3.5_9:rt_exp.L           0.344  0.033  0.022
b_itemQ3.5_1:rt_exp.Q           0.355  0.113  0.050
b_itemQ3.5_2:rt_exp.Q           0.364  0.074  0.015
b_itemQ3.5_3:rt_exp.Q           0.341  0.099 -0.015
b_itemQ3.5_4:rt_exp.Q           0.350  0.100  0.035
b_itemQ3.5_5:rt_exp.Q           0.336  0.105  0.041
b_itemQ3.5_6:rt_exp.Q           0.329  0.089  0.035
b_itemQ3.5_7:rt_exp.Q           0.374  0.051  0.030
b_itemQ3.5_8:rt_exp.Q           0.383  0.090  0.009
b_itemQ3.5_9:rt_exp.Q           0.391  0.077  0.022
b_Intercept                     NA     NA     NA
b_sexMale                       NA     NA     NA
b_divisionRaw                   NA     NA     NA
b_age.L                         NA     NA     NA
b_weight_class.L                NA     NA     NA
b_glp.L                         NA     NA     NA
b_pl_exp.L                      NA     NA     NA
b_rt_exp.L                      NA     NA     NA
r_ResponseId__Intercept         NA     NA     NA
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b_itemQ2.1_16:age.L 0.099 0.068 0.021
b_itemQ2.1_18:age.L 0.041 -0.022 0.011
b_itemQ2.1_2:age.L 0.021 0.050 -0.004
b_itemQ2.1_3:age.L 0.079 0.029 0.040
b_itemQ2.1_4:age.L 0.134 0.055 0.042
b_itemQ2.1_5:age.L 0.058 0.050 0.027
b_itemQ2.1_6:age.L 0.039 0.055 0.016
b_itemQ2.1_7:age.L 0.076 0.047 0.010
b_itemQ2.1_8:age.L 0.019 0.024 0.023
b_itemQ2.1_9:age.L 0.023 0.080 0.018
b_itemQ2.1_1:age.Q -0.002 0.055 0.038
b_itemQ2.1_10:age.Q -0.005 0.041 -0.004
b_itemQ2.1_11:age.Q 0.022 0.022 -0.013
b_itemQ2.1_12:age.Q 0.017 0.021 0.008
b_itemQ2.1_13:age.Q 0.032 0.035 0.035
b_itemQ2.1_14:age.Q 0.036 0.065 -0.002
b_itemQ2.1_15:age.Q -0.039 0.024 0.009
b_itemQ2.1_16:age.Q 0.032 0.052 0.023
b_itemQ2.1_18:age.Q -0.032 -0.010 0.010
b_itemQ2.1_2:age.Q -0.011 0.038 0.005
b_itemQ2.1_3:age.Q 0.015 0.078 0.024
b_itemQ2.1_4:age.Q -0.008 0.021 0.008
b_itemQ2.1_5:age.Q 0.008 0.056 0.011
b_itemQ2.1_6:age.Q -0.048 0.038 -0.009
b_itemQ2.1_7:age.Q -0.023 0.036 0.009
b_itemQ2.1_8:age.Q -0.053 -0.008 0.026
b_itemQ2.1_9:age.Q -0.093 0.024 -0.003
b_itemQ2.1_1:weight_class.L 0.005 0.025 0.029
b_itemQ2.1_10:weight_class.L -0.011 -0.021 0.022
b_itemQ2.1_11:weight_class.L 0.050 -0.013 0.001
b_itemQ2.1_12:weight_class.L -0.028 0.017 -0.005
b_itemQ2.1_13:weight_class.L 0.012 0.030 -0.007
b_itemQ2.1_14:weight_class.L 0.026 0.045 0.006
b_itemQ2.1_15:weight_class.L -0.032 0.015 0.025
b_itemQ2.1_16:weight_class.L 0.040 0.038 0.039
b_itemQ2.1_18:weight_class.L -0.056 -0.008 -0.031
b_itemQ2.1_2:weight_class.L 0.046 0.030 -0.001
b_itemQ2.1_3:weight_class.L 0.019 0.038 0.004
b_itemQ2.1_4:weight_class.L 0.042 0.032 -0.002
b_itemQ2.1_5:weight_class.L -0.011 0.013 0.037
b_itemQ2.1_6:weight_class.L -0.003 0.006 0.009
b_itemQ2.1_7:weight_class.L 0.029 0.056 0.007
b_itemQ2.1_8:weight_class.L -0.007 -0.008 0.001
b_itemQ2.1_9:weight_class.L 0.017 0.030 0.033
b_itemQ2.1_1:weight_class.Q 0.031 0.020 -0.008
b_itemQ2.1_10:weight_class.Q -0.056 0.009 0.011
b_itemQ2.1_11:weight_class.Q -0.069 0.003 0.001
b_itemQ2.1_12:weight_class.Q -0.043 0.017 0.014
b_itemQ2.1_13:weight_class.Q -0.002 0.031 -0.014
b_itemQ2.1_14:weight_class.Q -0.020 0.027 0.019
b_itemQ2.1_15:weight_class.Q -0.002 0.022 0.007
b_itemQ2.1_16:weight_class.Q -0.021 0.030 -0.020
b_itemQ2.1_18:weight_class.Q -0.077 -0.019 0.005
b_itemQ2.1_2:weight_class.Q 0.024 0.048 -0.001
b_itemQ2.1_3:weight_class.Q -0.036 0.020 0.013
b_itemQ2.1_4:weight_class.Q -0.028 -0.002 -0.002
b_itemQ2.1_5:weight_class.Q 0.070 0.028 0.003
b_itemQ2.1_6:weight_class.Q -0.015 0.027 -0.010
b_itemQ2.1_7:weight_class.Q 0.054 0.021 -0.025
b_itemQ2.1_8:weight_class.Q 0.007 0.011 0.008
b_itemQ2.1_9:weight_class.Q 0.008 0.011 0.030
b_itemQ2.1_1:glp.L 0.057 0.041 0.004
b_itemQ2.1_10:glp.L -0.026 -0.006 0.044
b_itemQ2.1_11:glp.L 0.050 -0.003 0.032
b_itemQ2.1_12:glp.L -0.037 0.051 0.023
b_itemQ2.1_13:glp.L -0.011 0.052 0.039
b_itemQ2.1_14:glp.L 0.018 0.016 0.023
b_itemQ2.1_15:glp.L 0.031 0.058 0.039
b_itemQ2.1_16:glp.L 0.042 0.071 -0.001

b_itemQ3.1_10:weight_class.L 0.090 0.055 0.034
b_itemQ3.1_11:weight_class.L 0.054 0.040 0.005
b_itemQ3.1_12:weight_class.L 0.006 0.002 0.014
b_itemQ3.1_13:weight_class.L 0.071 0.017 0.032
b_itemQ3.1_14:weight_class.L 0.057 0.073 0.008
b_itemQ3.1_15:weight_class.L 0.130 0.072 0.018
b_itemQ3.1_16:weight_class.L 0.027 0.035 0.020
b_itemQ3.1_17:weight_class.L 0.101 0.083 -0.002
b_itemQ3.1_19:weight_class.L 0.139 0.016 0.007
b_itemQ3.1_2:weight_class.L 0.070 0.044 0.009
b_itemQ3.1_3:weight_class.L 0.078 0.014 0.004
b_itemQ3.1_4:weight_class.L 0.092 0.045 0.012
b_itemQ3.1_5:weight_class.L 0.092 0.022 0.020
b_itemQ3.1_6:weight_class.L 0.081 0.082 -0.017
b_itemQ3.1_7:weight_class.L 0.048 0.063 -0.013
b_itemQ3.1_8:weight_class.L 0.097 0.036 -0.014
b_itemQ3.1_9:weight_class.L 0.053 0.073 0.006
b_itemQ3.1_1:weight_class.Q 0.048 0.017 -0.007
b_itemQ3.1_10:weight_class.Q 0.081 0.057 0.017
b_itemQ3.1_11:weight_class.Q 0.060 0.041 -0.004
b_itemQ3.1_12:weight_class.Q 0.079 0.035 0.019
b_itemQ3.1_13:weight_class.Q 0.064 0.031 0.032
b_itemQ3.1_14:weight_class.Q 0.075 0.041 0.019
b_itemQ3.1_15:weight_class.Q 0.065 0.065 0.007
b_itemQ3.1_16:weight_class.Q 0.052 0.025 0.018
b_itemQ3.1_17:weight_class.Q 0.081 0.055 0.010
b_itemQ3.1_19:weight_class.Q 0.119 0.025 -0.001
b_itemQ3.1_2:weight_class.Q 0.050 0.040 0.017
b_itemQ3.1_3:weight_class.Q 0.035 0.041 0.018
b_itemQ3.1_4:weight_class.Q 0.050 0.060 0.021
b_itemQ3.1_5:weight_class.Q 0.098 0.016 -0.015
b_itemQ3.1_6:weight_class.Q 0.073 0.030 0.014
b_itemQ3.1_7:weight_class.Q 0.033 0.031 -0.036
b_itemQ3.1_8:weight_class.Q 0.091 0.061 -0.007
b_itemQ3.1_9:weight_class.Q 0.081 0.078 -0.023
b_itemQ3.1_1:glp.L 0.093 0.063 0.020
b_itemQ3.1_10:glp.L 0.099 0.083 0.025
b_itemQ3.1_11:glp.L 0.117 0.007 0.002
b_itemQ3.1_12:glp.L 0.135 0.050 0.020
b_itemQ3.1_13:glp.L 0.109 0.031 0.007
b_itemQ3.1_14:glp.L 0.075 0.073 0.022
b_itemQ3.1_15:glp.L 0.151 0.099 0.012
b_itemQ3.1_16:glp.L 0.041 0.060 -0.011
b_itemQ3.1_17:glp.L 0.081 0.057 0.015
b_itemQ3.1_19:glp.L 0.189 0.031 -0.001
b_itemQ3.1_2:glp.L 0.172 0.077 0.056
b_itemQ3.1_3:glp.L 0.097 0.036 -0.005
b_itemQ3.1_4:glp.L 0.052 0.081 0.019
b_itemQ3.1_5:glp.L 0.073 0.037 0.007
b_itemQ3.1_6:glp.L 0.100 0.080 0.028
b_itemQ3.1_7:glp.L 0.084 0.058 0.014
b_itemQ3.1_8:glp.L 0.035 0.029 0.041
b_itemQ3.1_9:glp.L 0.126 0.061 0.021
b_itemQ3.1_1:glp.Q 0.026 0.049 -0.015
b_itemQ3.1_10:glp.Q 0.091 0.032 -0.011
b_itemQ3.1_11:glp.Q 0.092 0.002 -0.005
b_itemQ3.1_12:glp.Q 0.144 0.077 0.026
b_itemQ3.1_13:glp.Q 0.055 0.030 -0.014
b_itemQ3.1_14:glp.Q 0.051 0.030 -0.003
b_itemQ3.1_15:glp.Q 0.083 0.055 0.017
b_itemQ3.1_16:glp.Q 0.014 0.044 0.002
b_itemQ3.1_17:glp.Q 0.055 0.023 0.000
b_itemQ3.1_19:glp.Q 0.072 0.002 -0.006
b_itemQ3.1_2:glp.Q 0.098 0.045 0.017
b_itemQ3.1_3:glp.Q 0.039 0.015 0.020
b_itemQ3.1_4:glp.Q 0.092 0.031 0.013
b_itemQ3.1_5:glp.Q 0.058 0.028 -0.018
b_itemQ3.1_6:glp.Q 0.086 0.058 -0.001
b_itemQ3.1_7:glp.Q 0.082 0.022 0.000

b_itemQ2.1_18:glp.L 0.070 0.026 0.000 b_itemQ2.1_2:glp.L -0.080 -0.014 -0.013 b_itemQ2.1_3:glp.L 0.039 0.068 0.036 b_itemQ2.1_4:glp.L 0.022 0.049 0.021 b_itemQ2.1_5:glp.L 0.009 0.023 0.000 b_itemQ2.1_6:glp.L -0.016 0.002 0.012 b_itemQ2.1_7:glp.L 0.000 0.047 0.033 b_itemQ2.1_8:glp.L -0.046 0.027 0.020 b_itemQ2.1_9:glp.L 0.037 0.002 -0.008 b_itemQ2.1_1:glp.Q -0.043 0.011 -0.012 b_itemQ2.1_10:glp.Q -0.001 0.014 -0.006 b_itemQ2.1_11:glp.Q 0.036 -0.002 0.032 b_itemQ2.1_12:glp.Q -0.021 0.034 -0.004 b_itemQ2.1_13:glp.Q -0.034 0.013 0.002 b_itemQ2.1_14:glp.Q -0.011 0.052 0.029 b_itemQ2.1_15:glp.Q -0.002 0.035 0.006 b_itemQ2.1_16:glp.Q -0.024 0.024 -0.015 b_itemQ2.1_18:glp.Q 0.029 0.036 0.027 b_itemQ2.1_2:glp.Q -0.033 0.013 0.016 b_itemQ2.1_3:glp.Q -0.004 0.032 0.001 b_itemQ2.1_4:glp.Q 0.035 0.026 -0.030 b_itemQ2.1_5:glp.Q 0.011 0.023 0.026 b_itemQ2.1_6:glp.Q -0.028 0.003 -0.003 b_itemQ2.1_7:glp.Q 0.008 0.016 0.001 b_itemQ2.1_8:glp.Q -0.048 0.022 0.026 b_itemQ2.1_9:glp.Q 0.025 -0.014 -0.024 b_itemQ2.1_1:pl_exp.L 0.016 0.058 0.011 b_itemQ2.1_10:pl_exp.L 0.029 0.034 0.027 b_itemQ2.1_11:pl_exp.L 0.017 0.020 0.009 b_itemQ2.1_12:pl_exp.L 0.078 0.063 0.037 b_itemQ2.1_13:pl_exp.L 0.059 0.065 0.028 b_itemQ2.1_14:pl_exp.L 0.072 0.068 0.018 b_itemQ2.1_15:pl_exp.L 0.098 0.048 0.017 b_itemQ2.1_16:pl_exp.L 0.069 0.053 -0.002 b_itemQ2.1_18:pl_exp.L 0.017 -0.001 0.014 b_itemQ2.1_2:pl_exp.L 0.016 0.054 0.004 b_itemQ2.1_3:pl_exp.L 0.073 0.074 0.014 b_itemQ2.1_4:pl_exp.L 0.095 0.024 0.039 b_itemQ2.1_5:pl_exp.L 0.024 0.018 0.019 b_itemQ2.1_6:pl_exp.L 0.030 0.017 0.000 b_itemQ2.1_7:pl_exp.L 0.028 0.055 0.004 b_itemQ2.1_8:pl_exp.L -0.013 0.008 0.017 b_itemQ2.1_9:pl_exp.L 0.030 0.035 0.031 b_itemQ2.1_1:pl_exp.Q -0.052 0.061 0.036 b_itemQ2.1_10:pl_exp.Q 0.011 0.028 0.003 b_itemQ2.1_11:pl_exp.Q -0.024 -0.012 0.005 b_itemQ2.1_12:pl_exp.Q 0.027 0.052 0.043 b_itemQ2.1_13:pl_exp.Q -0.007 0.033 0.006 b_itemQ2.1_14:pl_exp.Q -0.049 0.029 0.001 b_itemQ2.1_15:pl_exp.Q 0.007 0.024 0.035 b_itemQ2.1_16:pl_exp.Q 0.037 0.033 0.052 b_itemQ2.1_18:pl_exp.Q -0.080 -0.003 -0.021 b_itemQ2.1_2:pl_exp.Q -0.003 0.016 0.006 b_itemQ2.1_3:pl_exp.Q -0.003 0.057 0.018 b_itemQ2.1_4:pl_exp.Q -0.012 0.037 0.045 b_itemQ2.1_5:pl_exp.Q -0.048 0.060 0.058 b_itemQ2.1_6:pl_exp.Q -0.012 0.052 0.014 b_itemQ2.1_7:pl_exp.Q 0.028 0.057 -0.006 b_itemQ2.1_8:pl_exp.Q -0.065 0.015 0.003 b_itemQ2.1_9:pl_exp.Q -0.027 0.054 -0.010 b_itemQ2.1_1:rt_exp.L 0.232 0.063 0.047 b_itemQ2.1_10:rt_exp.L 0.275 0.044 0.015 b_itemQ2.1_11:rt_exp.L 0.170 0.015 0.006 b_itemQ2.1_12:rt_exp.L 0.276 0.040 0.037 b_itemQ2.1_13:rt_exp.L 0.247 0.060 0.056 b_itemQ2.1_14:rt_exp.L 0.252 0.081 0.040 b_itemQ2.1_15:rt_exp.L 0.261 0.062 0.028 b_itemQ2.1_16:rt_exp.L 0.297 0.073 0.065 b_itemQ2.1_18:rt_exp.L 0.307 0.045 0.028				b_itemQ3.1_8:glp.Q 0.077 0.030 -0.003 b_itemQ3.1_9:glp.Q 0.030 0.046 0.002 b_itemQ3.1_1:pl_exp.L 0.057 0.048 0.019 b_itemQ3.1_10:pl_exp.L 0.109 0.045 -0.001 b_itemQ3.1_11:pl_exp.L 0.061 0.077 0.001 b_itemQ3.1_12:pl_exp.L 0.046 0.017 -0.008 b_itemQ3.1_13:pl_exp.L 0.047 0.049 0.017 b_itemQ3.1_14:pl_exp.L 0.127 0.052 0.004 b_itemQ3.1_15:pl_exp.L 0.130 0.078 0.010 b_itemQ3.1_16:pl_exp.L 0.081 0.020 0.016 b_itemQ3.1_17:pl_exp.L 0.110 0.056 0.012 b_itemQ3.1_19:pl_exp.L 0.321 0.024 0.006 b_itemQ3.1_2:pl_exp.L 0.099 0.070 0.024 b_itemQ3.1_3:pl_exp.L 0.091 0.080 0.007 b_itemQ3.1_4:pl_exp.L 0.100 0.095 0.016 b_itemQ3.1_5:pl_exp.L 0.067 0.032 -0.003 b_itemQ3.1_6:pl_exp.L 0.083 0.082 0.024 b_itemQ3.1_7:pl_exp.L 0.096 0.040 -0.006 b_itemQ3.1_8:pl_exp.L 0.103 0.079 -0.004 b_itemQ3.1_9:pl_exp.L 0.134 0.089 0.020 b_itemQ3.1_1:pl_exp.Q 0.058 0.050 0.018 b_itemQ3.1_10:pl_exp.Q 0.104 0.047 0.000 b_itemQ3.1_11:pl_exp.Q 0.067 0.055 0.034 b_itemQ3.1_12:pl_exp.Q 0.097 0.041 0.004 b_itemQ3.1_13:pl_exp.Q 0.082 0.049 0.007 b_itemQ3.1_14:pl_exp.Q 0.046 0.041 0.028 b_itemQ3.1_15:pl_exp.Q 0.119 0.101 0.054 b_itemQ3.1_16:pl_exp.Q 0.035 0.042 0.031 b_itemQ3.1_17:pl_exp.Q 0.108 0.050 0.020 b_itemQ3.1_19:pl_exp.Q 0.147 0.006 -0.010 b_itemQ3.1_2:pl_exp.Q 0.088 0.083 0.030 b_itemQ3.1_3:pl_exp.Q 0.085 0.038 0.024 b_itemQ3.1_4:pl_exp.Q 0.069 0.066 0.002 b_itemQ3.1_5:pl_exp.Q 0.050 0.035 0.034 b_itemQ3.1_6:pl_exp.Q 0.089 0.051 0.000 b_itemQ3.1_7:pl_exp.Q 0.058 0.082 0.021 b_itemQ3.1_8:pl_exp.Q 0.067 0.040 0.009 b_itemQ3.1_9:pl_exp.Q 0.064 0.067 -0.006 b_itemQ3.1_1:rt_exp.L 0.286 0.067 0.013 b_itemQ3.1_10:rt_exp.L 0.288 0.077 0.020 b_itemQ3.1_11:rt_exp.L 0.289 0.062 0.011 b_itemQ3.1_12:rt_exp.L 0.266 0.021 0.000 b_itemQ3.1_13:rt_exp.L 0.261 0.052 0.025 b_itemQ3.1_14:rt_exp.L 0.300 0.031 -0.030 b_itemQ3.1_15:rt_exp.L 0.327 0.056 0.004 b_itemQ3.1_16:rt_exp.L 0.320 0.052 0.025 b_itemQ3.1_17:rt_exp.L 0.327 0.079 0.017 b_itemQ3.1_19:rt_exp.L 0.238 0.006 -0.006 b_itemQ3.1_2:rt_exp.L 0.313 0.052 0.031 b_itemQ3.1_3:rt_exp.L 0.297 0.027 0.036 b_itemQ3.1_4:rt_exp.L 0.319 0.080 0.039 b_itemQ3.1_5:rt_exp.L 0.321 0.032 0.038 b_itemQ3.1_6:rt_exp.L 0.320 0.102 0.055 b_itemQ3.1_7:rt_exp.L 0.311 0.077 -0.002 b_itemQ3.1_8:rt_exp.L 0.354 0.066 0.013 b_itemQ3.1_9:rt_exp.L 0.328 0.083 0.023 b_itemQ3.1_1:rt_exp.Q 0.301 0.068 0.008 b_itemQ3.1_10:rt_exp.Q 0.299 0.085 0.030 b_itemQ3.1_11:rt_exp.Q 0.329 0.056 -0.005 b_itemQ3.1_12:rt_exp.Q 0.276 0.002 0.006 b_itemQ3.1_13:rt_exp.Q 0.323 0.076 0.027 b_itemQ3.1_14:rt_exp.Q 0.333 0.048 -0.004 b_itemQ3.1_15:rt_exp.Q 0.372 0.087 0.016 b_itemQ3.1_16:rt_exp.Q 0.324 0.054 0.028 b_itemQ3.1_17:rt_exp.Q 0.364 0.097 0.009 b_itemQ3.1_19:rt_exp.Q 0.133 -0.005 0.020 b_itemQ3.1_2:rt_exp.Q 0.329 0.076 0.045 b_itemQ3.1_3:rt_exp.Q 0.317 0.031 0.029 b_itemQ3.1_4:rt_exp.Q 0.343 0.079 0.034	

b_itemQ2.1_2:rt_exp.L 0.266 0.073 0.037 b_itemQ2.1_3:rt_exp.L 0.253 0.082 0.051 b_itemQ2.1_4:rt_exp.L 0.289 0.041 0.025 b_itemQ2.1_5:rt_exp.L 0.251 0.066 0.020 b_itemQ2.1_6:rt_exp.L 0.285 0.048 0.010 b_itemQ2.1_7:rt_exp.L 0.269 0.089 0.035 b_itemQ2.1_8:rt_exp.L 0.262 0.016 0.014 b_itemQ2.1_9:rt_exp.L 0.231 0.026 0.014 b_itemQ2.1_1:rt_exp.Q 0.233 0.059 0.037 b_itemQ2.1_10:rt_exp.Q 0.295 0.061 0.016 b_itemQ2.1_11:rt_exp.Q 0.224 0.020 0.017 b_itemQ2.1_12:rt_exp.Q 0.314 0.054 0.019 b_itemQ2.1_13:rt_exp.Q 0.274 0.067 0.061 b_itemQ2.1_14:rt_exp.Q 0.265 0.068 0.017 b_itemQ2.1_15:rt_exp.Q 0.276 0.062 0.017 b_itemQ2.1_16:rt_exp.Q 0.322 0.062 0.032 b_itemQ2.1_18:rt_exp.Q 0.267 0.039 0.009 b_itemQ2.1_2:rt_exp.Q 0.303 0.063 0.040 b_itemQ2.1_3:rt_exp.Q 0.275 0.092 0.042 b_itemQ2.1_4:rt_exp.Q 0.320 0.049 0.034 b_itemQ2.1_5:rt_exp.Q 0.293 0.045 0.022 b_itemQ2.1_6:rt_exp.Q 0.290 0.047 0.018 b_itemQ2.1_7:rt_exp.Q 0.298 0.104 0.065 b_itemQ2.1_8:rt_exp.Q 0.315 0.025 0.025 b_itemQ2.1_9:rt_exp.Q 0.289 0.028 0.009 b_Intercept NA NA NA b_sexMale NA NA NA b_divisionRaw NA NA NA b_age.L NA NA NA b_weight_class.L NA NA NA b_glp.L NA NA NA b_pl_exp.L NA NA NA b_rt_exp.L NA NA NA r_ResponseId__Intercept NA NA NA				b_itemQ3.1_5:rt_exp.Q 0.337 0.036 0.026 b_itemQ3.1_6:rt_exp.Q 0.342 0.089 0.044 b_itemQ3.1_7:rt_exp.Q 0.328 0.086 0.037 b_itemQ3.1_8:rt_exp.Q 0.377 0.083 0.034 b_itemQ3.1_9:rt_exp.Q 0.344 0.085 0.048 b_Intercept NA NA NA b_sexMale NA NA NA b_divisionRaw NA NA NA b_age.L NA NA NA b_weight_class.L NA NA NA b_glp.L NA NA NA b_pl_exp.L NA NA NA b_rt_exp.L NA NA NA r_ResponseId__Intercept NA NA NA	
Q3.6	**Q3.7**	**Q4.1**	**Q4.5**	**Q4.6**	**Q4.7**
Family: bernoulli Links: mu = logit Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId) Data: q3_6_data (Number of observations: 3573) Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1; total post-warmup draws = 16000 Multilevel Hyperparameters: ~ResponseId (Number of levels: 397) Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sd(Intercept) 1.16 0.07 1.02 1.31 1.00 7507 10814 Regression Coefficients: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS itemQ3.6_1 -0.48 0.76 -1.98 0.99 1.00 9565 10521 itemQ3.6_2 0.50 0.77 -1.00 2.06 1.00 10229 10183 itemQ3.6_3 -1.90 0.89 -3.70 -0.25 1.00 10595 9753 itemQ3.6_4 0.59 0.80 -0.91 2.22 1.00 9311 10303 itemQ3.6_5 1.07 0.80 -0.45 2.67 1.00 9760 11165 itemQ3.6_6 -2.19 0.95 -4.20 -0.45 1.00 9990 9201 itemQ3.6_7 -1.68 0.86 -3.46 -0.05 1.00 9954 9368	Family: bernoulli Links: mu = logit Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId) Data: q3_7_data (Number of observations: 3393) Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1; total post-warmup draws = 16000 Multilevel Hyperparameters: ~ResponseId (Number of levels: 377) Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sd(Intercept) 1.11 0.10 0.93 1.30 1.00 6538 9369 Regression Coefficients: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS itemQ3.7_1 -6.57 2.26 -11.52 -2.77 1.00 10014 8678 itemQ3.7_2 -6.79 2.34 -11.83 -2.81 1.00 9696 8723 itemQ3.7_3 -10.57 3.03 -16.88 -4.92 1.00 9340 10495 itemQ3.7_4 -0.59 0.87 -2.28 1.11 1.00 8112 10542 itemQ3.7_5 -0.34 0.89 -2.10 1.42 1.00 8056 10043 itemQ3.7_6 -3.56 1.33 -6.45 -1.22 1.00 8750 8402 itemQ3.7_7 1.92 0.99 0.11 3.99 1.00 7547 8871	Family: bernoulli Links: mu = logit Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId) Data: q4_1_data (Number of observations: 6320) Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1; total post-warmup draws = 16000 Multilevel Hyperparameters: ~ResponseId (Number of levels: 395) Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sd(Intercept) 1.27 0.07 1.13 1.41 1.00 6367 10446 Regression Coefficients: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS itemQ4.1_1 1.02 0.87 -0.62 2.83 1.00 8712 10102 itemQ4.1_10 -8.35 2.40 -13.50 -4.11 1.00 10936 9277 itemQ4.1_11 3.44 1.22 1.31 6.09 1.00 10070 8721 itemQ4.1_12 -3.07 1.16 -5.51 -0.92 1.00 11381 10022 itemQ4.1_13 -0.19 0.85 -1.87 1.45 1.00 8869 10098 itemQ4.1_14 -0.91 0.89 -2.70 0.79 1.00 8374 9738 itemQ4.1_15 2.77 0.99 0.93 4.82 1.00 9931 9718	Family: bernoulli Links: mu = logit Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId) Data: q4_5_data (Number of observations: 3627) Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1; total post-warmup draws = 16000 Multilevel Hyperparameters: ~ResponseId (Number of levels: 403) Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sd(Intercept) 1.26 0.09 1.10 1.44 1.00 6084 10055 Regression Coefficients: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS itemQ4.5_1 3.14 1.21 1.07 5.83 1.00 10323 8560 itemQ4.5_2 1.71 0.92 -0.02 3.58 1.00 11032 10740 itemQ4.5_3 -2.62 0.99 -4.70 -0.80 1.00 11131 10313 itemQ4.5_4 -0.51 0.83 -2.18 1.09 1.00 10463 11324 itemQ4.5_5 0.51 0.79 -1.03 2.06 1.00 10621 11051 itemQ4.5_6 -2.94 1.21 -5.59 -0.85 1.00 11031 8631 itemQ4.5_7 -5.25 2.13 -10.03 -1.79 1.00 13139 9816	Family: bernoulli Links: mu = logit Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId) Data: q4_6_data (Number of observations: 3384) Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1; total post-warmup draws = 16000 Multilevel Hyperparameters: ~ResponseId (Number of levels: 376) Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sd(Intercept) 0.84 0.07 0.71 0.98 1.00 8243 11972 Regression Coefficients: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS itemQ4.6_1 -0.35 0.79 -1.92 1.16 1.00 20349 12120 itemQ4.6_2 -0.53 0.76 -2.01 0.95 1.00 19749 12261 itemQ4.6_3 -2.72 1.00 -4.82 -0.89 1.00 21344 10951 itemQ4.6_4 -0.11 0.74 -1.56 1.35 1.00 20587 11725 itemQ4.6_5 1.29 0.83 -0.29 3.02 1.00 19712 12000 itemQ4.6_6 -1.40 0.77 -2.94 0.06 1.00 20569 12288 itemQ4.6_7 -1.04 0.83 -2.75 0.51 1.00 20341 11991	Family: bernoulli Links: mu = logit Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId) Data: q4_7_data (Number of observations: 2880) Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1; total post-warmup draws = 16000 Multilevel Hyperparameters: ~ResponseId (Number of levels: 320) Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS sd(Intercept) 0.97 0.10 0.78 1.17 1.00 5706 9210 Regression Coefficients: Estimate Est.Error l-95% CI u-95% CI Rhat Bulk_ESS Tail_ESS itemQ4.7_1 -9.09 2.66 -14.71 -4.28 1.00 11126 10138 itemQ4.7_2 -7.35 2.50 -12.72 -2.97 1.00 10978 9293 itemQ4.7_3 -7.19 2.61 -12.86 -2.58 1.00 10843 9576 itemQ4.7_4 -0.45 0.87 -2.19 1.27 1.00 9871 9823 itemQ4.7_5 -0.89 0.91 -2.69 0.91 1.00 10720 10810 itemQ4.7_6 -5.53 2.08 -10.20 -2.19 1.00 11493 7991 itemQ4.7_7 -0.25 0.84 -1.94 1.38 1.00 11077 11198

itemQ3.6_8	-0.64	0.79	-2.22	0.90	1.00	9141 10066
itemQ3.6_9	-1.32	0.88	-3.14	0.34	1.00	9864 9463
itemQ3.6_1:sexMale	0.07	0.34	-0.59	0.75	1.00	13131 11736
itemQ3.6_2:sexMale	0.27	0.31	-0.33	0.88	1.00	13207 12513
itemQ3.6_3:sexMale	0.26	0.40	-0.52	1.05	1.00	16188 12279
itemQ3.6_4:sexMale	0.32	0.32	-0.30	0.95	1.00	13153 11793
itemQ3.6_5:sexMale	0.00	0.32	-0.62	0.63	1.00	13542 11823
itemQ3.6_6:sexMale	0.07	0.35	-0.60	0.76	1.00	14193 12460
itemQ3.6_7:sexMale	0.47	0.35	-0.21	1.16	1.00	14925 12435
itemQ3.6_8:sexMale	-0.22	0.31	-0.83	0.38	1.00	12852 12481
itemQ3.6_9:sexMale	-0.46	0.39	-1.22	0.30	1.00	14967 12372
itemQ3.6_1:divisionRaw	-0.88	0.74	-2.34	0.60	1.00	9787 10579
itemQ3.6_2:divisionRaw	-0.79	0.75	-2.28	0.68	1.00	10657 10550
itemQ3.6_3:divisionRaw	-0.90	0.87	-2.54	0.88	1.00	10719 9851
itemQ3.6_4:divisionRaw	-1.44	0.78	-3.04	0.04	1.00	9758 10307
itemQ3.6_5:divisionRaw	0.02	0.77	-1.54	1.49	1.00	9981 11685
itemQ3.6_6:divisionRaw	0.64	0.94	-1.04	2.61	1.00	10339 9873
itemQ3.6_7:divisionRaw	0.06	0.84	-1.55	1.78	1.00	10309 9250
itemQ3.6_8:divisionRaw	0.29	0.77	-1.20	1.83	1.00	9373 10227
itemQ3.6_9:divisionRaw	-0.59	0.87	-2.23	1.19	1.00	10572 9926
itemQ3.6_1:age.L	-1.00	0.41	-1.82	-0.21	1.00	13877 11779
itemQ3.6_2:age.L	-1.13	0.36	-1.83	-0.44	1.00	12415 13354
itemQ3.6_3:age.L	-1.98	0.66	-3.38	-0.82	1.00	13741 10170
itemQ3.6_4:age.L	0.07	0.35	-0.63	0.75	1.00	13203 11701
itemQ3.6_5:age.L	-0.39	0.35	-1.08	0.30	1.00	13794 12781
itemQ3.6_6:age.L	-0.76	0.40	-1.55	0.00	1.00	13968 12607
itemQ3.6_7:age.L	0.08	0.39	-0.69	0.84	1.00	13462 12411
itemQ3.6_8:age.L	-0.05	0.34	-0.72	0.62	1.00	12872 11580
itemQ3.6_9:age.L	-1.10	0.47	-2.04	-0.21	1.00	14481 12811
itemQ3.6_1:age.Q	-0.02	0.26	-0.54	0.49	1.00	14510 12276
itemQ3.6_2:age.Q	0.05	0.24	-0.41	0.51	1.00	14004 12082
itemQ3.6_3:age.Q	-0.54	0.40	-1.39	0.18	1.00	13572 10031
itemQ3.6_4:age.Q	-0.21	0.23	-0.67	0.25	1.00	14364 12883
itemQ3.6_5:age.Q	-0.03	0.24	-0.50	0.44	1.00	14721 12551
itemQ3.7_8	1.85	1.00	0.00	3.96	1.00	8303 9377
itemQ3.7_9	-3.65	1.23	-6.30	-1.48	1.00	8373 8558
itemQ3.7_1:sexMale	0.53	0.93	-1.15	2.49	1.00	16921 11508
itemQ3.7_2:sexMale	-0.14	0.84	-1.70	1.58	1.00	19824 11566
itemQ3.7_3:sexMale	-0.83	1.93	-4.67	2.96	1.00	15830 12083
itemQ3.7_4:sexMale	0.24	0.35	-0.45	0.94	1.00	12691 11971
itemQ3.7_5:sexMale	-0.10	0.35	-0.77	0.58	1.00	12506 11669
itemQ3.7_6:sexMale	0.37	0.56	-0.69	1.49	1.00	15773 12025
itemQ3.7_7:sexMale	-0.04	0.33	-0.70	0.60	1.00	11801 11308
itemQ3.7_8:sexMale	-0.15	0.32	-0.80	0.47	1.00	11351 12608
itemQ3.7_9:sexMale	0.55	0.41	-0.24	1.36	1.00	12978 11798
itemQ3.7_1:divisionRaw	0.60	2.20	-3.08	5.47	1.00	10095 8247
itemQ3.7_2:divisionRaw	0.82	2.20	-2.81	5.72	1.00	11222 9325
itemQ3.7_3:divisionRaw	-1.79	2.49	-6.47	3.40	1.00	12248 10862
itemQ3.7_4:divisionRaw	-1.41	0.86	-3.11	0.28	1.00	8385 9925
itemQ3.7_5:divisionRaw	-1.18	0.87	-2.91	0.54	1.00	8369 10514
itemQ3.7_6:divisionRaw	-0.28	1.31	-2.59	2.55	1.00	8985 8146
itemQ3.7_7:divisionRaw	-1.10	0.97	-3.14	0.68	1.00	8065 8730
itemQ3.7_8:divisionRaw	-0.84	0.98	-2.89	0.97	1.00	8946 9272
itemQ3.7_9:divisionRaw	1.25	1.22	-0.88	3.88	1.00	8655 8839
itemQ3.7_1:age.L	-0.32	1.07	-2.62	1.57	1.00	12954 10011
itemQ3.7_2:age.L	-3.41	2.21	-8.74	-0.15	1.00	9113 7002
itemQ3.7_3:age.L	0.34	3.22	-6.12	6.69	1.00	14682 11690
itemQ3.7_4:age.L	-0.59	0.43	-1.46	0.23	1.00	12865 11846
itemQ3.7_5:age.L	-0.67	0.43	-1.53	0.16	1.00	11935 11844
itemQ3.7_6:age.L	-1.02	0.77	-2.59	0.42	1.00	13628 10830
itemQ3.7_7:age.L	-0.65	0.36	-1.34	0.05	1.00	11425 11641
itemQ3.7_8:age.L	0.11	0.36	-0.61	0.82	1.00	11215 11242
itemQ3.7_9:age.L	0.00	0.45	-0.90	0.88	1.00	12210 11898
itemQ3.7_1:age.Q	0.16	0.71	-1.31	1.46	1.00	13624 9990
itemQ3.7_2:age.Q	-1.08	1.33	-4.19	0.97	1.00	9295 7030
itemQ3.7_3:age.Q	-2.47	2.21	-7.39	1.30	1.00	13093 9843
itemQ3.7_4:age.Q	-0.52	0.28	-1.10	0.02	1.00	12263 12312
itemQ3.7_5:age.Q	-0.59	0.28	-1.14	-0.06	1.00	12219 10879
itemQ4.1_17	-9.55	2.40	-14.82	-5.39	1.00	11370 9026
itemQ4.1_2	-1.12	0.93	-2.98	0.67	1.00	8976 10029
itemQ4.1_3	-1.68	0.91	-3.51	0.06	1.00	9656 10221
itemQ4.1_4	-2.69	1.26	-5.44	-0.48	1.00	9726 8927
itemQ4.1_5	1.77	0.86	0.12	3.50	1.00	8881 10666
itemQ4.1_6	-0.19	0.87	-1.94	1.53	1.00	9119 10482
itemQ4.1_7	-2.73	1.21	-5.37	-0.61	1.00	10406 8979
itemQ4.1_8	-5.45	2.00	-10.00	-2.24	1.00	11645 8657
itemQ4.1_9	1.40	0.90	-0.33	3.21	1.00	8912 10841
itemQ4.1_1:sexMale	0.63	0.32	0.00	1.25	1.00	9017 11282
itemQ4.1_10:sexMale	0.57	1.11	-1.49	2.88	1.00	19877 11714
itemQ4.1_11:sexMale	0.18	0.41	-0.64	0.96	1.00	14303 11196
itemQ4.1_12:sexMale	0.01	0.55	-1.05	1.11	1.00	14635 11660
itemQ4.1_13:sexMale	0.08	0.33	-0.55	0.74	1.00	10180 11693
itemQ4.1_14:sexMale	-0.45	0.35	-1.13	0.24	1.00	10984 11841
itemQ4.1_15:sexMale	-0.86	0.41	-1.67	-0.07	1.00	13872 12850
itemQ4.1_17:sexMale	2.36	1.23	0.22	5.02	1.00	16418 10472
itemQ4.1_2:sexMale	-0.36	0.39	-1.12	0.40	1.00	12193 12082
itemQ4.1_3:sexMale	0.47	0.35	-0.22	1.17	1.00	11241 12305
itemQ4.1_4:sexMale	-0.05	0.41	-0.84	0.76	1.00	12036 11987
itemQ4.1_5:sexMale	-0.72	0.40	-1.52	0.04	1.00	12320 11348
itemQ4.1_6:sexMale	-0.38	0.34	-1.04	0.29	1.00	10732 12061
itemQ4.1_7:sexMale	-0.36	0.32	-0.99	0.26	1.00	10617 10867
itemQ4.1_8:sexMale	0.12	0.39	-0.64	0.89	1.00	12266 11084
itemQ4.1_9:sexMale	0.05	0.40	-0.71	0.84	1.00	12836 11892
itemQ4.1_1:divisionRaw	-1.71	0.86	-3.49	-0.10	1.00	8736 10100
itemQ4.1_10:divisionRaw	0.14	2.21	-3.64	5.01	1.00	13530 9184
itemQ4.1_11:divisionRaw	-0.88	1.20	-3.54	1.21	1.00	10579 8801
itemQ4.1_12:divisionRaw	-1.30	1.11	-3.33	1.04	1.00	11921 10608
itemQ4.1_13:divisionRaw	-1.02	0.82	-2.63	0.60	1.00	9268 10786
itemQ4.1_14:divisionRaw	-0.42	0.86	-2.07	1.31	1.00	8740 10667
itemQ4.1_15:divisionRaw	-0.19	0.95	-2.17	1.56	1.00	9765 9699
itemQ4.1_17:divisionRaw	-0.78	2.18	-4.48	4.01	1.00	13459 8745
itemQ4.1_2:divisionRaw	-1.21	0.89	-2.93	0.58	1.00	9772 10971
itemQ4.5_8	-5.87	2.06	-10.53	-2.51	1.00	12093 8316
itemQ4.5_9	-6.79	2.11	-11.63	-3.35	1.00	10711 7935
itemQ4.5_1:sexMale	-0.14	0.31	-0.76	0.47	1.00	13260 12447
itemQ4.5_2:sexMale	-0.27	0.36	-0.99	0.43	1.00	14682 11934
itemQ4.5_3:sexMale	0.47	0.36	-0.23	1.19	1.00	15712 12417
itemQ4.5_4:sexMale	0.08	0.32	-0.56	0.71	1.00	13983 12561
itemQ4.5_5:sexMale	0.30	0.31	-0.32	0.90	1.00	13630 12239
itemQ4.5_6:sexMale	0.22	0.35	-0.45	0.93	1.00	13759 12003
itemQ4.5_7:sexMale	0.17	0.55	-0.87	1.28	1.00	15297 12276
itemQ4.5_8:sexMale	0.51	0.48	-0.40	1.49	1.00	16350 12611
itemQ4.5_9:sexMale	0.34	0.60	-0.79	1.56	1.00	18376 12654
itemQ4.5_1:divisionRaw	-2.67	1.19	-5.33	-0.65	1.00	10595 8506
itemQ4.5_2:divisionRaw	-0.18	0.89	-2.01	1.50	1.00	11810 10848
itemQ4.5_3:divisionRaw	0.43	0.97	-1.35	2.49	1.00	11555 9849
itemQ4.5_4:divisionRaw	-0.09	0.81	-1.64	1.56	1.00	10909 11313
itemQ4.5_5:divisionRaw	0.26	0.77	-1.27	1.74	1.00	11226 10680
itemQ4.5_6:divisionRaw	1.62	1.21	-0.45	4.26	1.00	11323 8705
itemQ4.5_7:divisionRaw	2.28	2.13	-1.12	7.11	1.00	13252 9913
itemQ4.5_8:divisionRaw	2.79	2.05	-0.49	7.51	1.00	12547 8259
itemQ4.5_9:divisionRaw	1.97	2.09	-1.39	6.78	1.00	11064 7792
itemQ4.5_1:age.L	-0.24	0.34	-0.91	0.44	1.00	12301 12092
itemQ4.5_2:age.L	-1.88	0.39	-2.64	-1.12	1.00	12186 12554
itemQ4.5_3:age.L	-1.44	0.45	-2.37	-0.57	1.00	11819 10683
itemQ4.5_4:age.L	0.26	0.36	-0.43	0.96	1.00	11671 11272
itemQ4.5_5:age.L	-0.04	0.36	-0.75	0.66	1.00	11210 11745
itemQ4.5_6:age.L	-0.67	0.39	-1.45	0.09	1.00	12415 13105
itemQ4.5_7:age.L	0.30	0.58	-0.85	1.41	1.00	14840 11957
itemQ4.5_8:age.L	1.02	0.49	0.07	1.98	1.00	13814 12516
itemQ4.5_9:age.L	-0.33	0.70	-1.74	0.99	1.00	15442 12586
itemQ4.5_1:age.Q	-0.25	0.24	-0.72	0.21	1.00	13565 12817
itemQ4.5_2:age.Q	-0.57	0.26	-1.10	-0.05	1.00	15241 11778
itemQ4.5_3:age.Q	-0.28	0.29	-0.86	0.29	1.00	13793 12174
itemQ4.5_4:age.Q	-0.04	0.24	-0.52	0.44	1.00	13915 12616
itemQ4.5_5:age.Q	0.21	0.24	-0.25	0.69	1.00	13184 11649
itemQ4.6_8	-0.66	0.79	-2.24	0.86	1.00	19781 11512
itemQ4.6_9	-3.41	1.19	-6.00	-1.34	1.00	19056 11149
itemQ4.6_1:sexMale	0.07	0.36	-0.61	0.79	1.00	27617 11714
itemQ4.6_2:sexMale	0.39	0.30	-0.20	0.99	1.00	25449 12929
itemQ4.6_3:sexMale	0.57	0.41	-0.21	1.39	1.00	30181 13180
itemQ4.6_4:sexMale	-0.07	0.30	-0.65	0.52	1.00	25734 13424
itemQ4.6_5:sexMale	-0.07	0.29	-0.64	0.48	1.00	27548 13376
itemQ4.6_6:sexMale	0.39	0.32	-0.23	1.03	1.00	28557 13518
itemQ4.6_7:sexMale	-0.32	0.34	-0.97	0.34	1.00	27432 13803
itemQ4.6_8:sexMale	-0.04	0.29	-0.61	0.54	1.00	28011 12780
itemQ4.6_9:sexMale	0.13	0.39	-0.62	0.91	1.00	27515 13170
itemQ4.6_1:divisionRaw	-1.62	0.77	-3.11	-0.10	1.00	21147 11774
itemQ4.6_2:divisionRaw	-0.65	0.75	-2.10	0.83	1.00	20796 12678
itemQ4.6_3:divisionRaw	-0.37	0.96	-2.14	1.67	1.00	21877 11886
itemQ4.6_4:divisionRaw	-0.66	0.73	-2.09	0.79	1.00	21168 11798
itemQ4.6_5:divisionRaw	-0.58	0.81	-2.26	0.94	1.00	20517 11893
itemQ4.6_6:divisionRaw	-0.30	0.75	-1.73	1.21	1.00	21587 12072
itemQ4.6_7:divisionRaw	-0.36	0.81	-1.91	1.30	1.00	21099 11564
itemQ4.6_8:divisionRaw	0.41	0.77	-1.04	1.95	1.00	20682 12047
itemQ4.6_9:divisionRaw	1.08	1.17	-0.95	3.64	1.00	20207 10696
itemQ4.6_1:age.L	-0.09	0.42	-0.93	0.73	1.00	25601 12758
itemQ4.6_2:age.L	-0.52	0.35	-1.22	0.15	1.00	24448 13730
itemQ4.6_3:age.L	-1.57	0.64	-2.94	-0.44	1.00	21148 11006
itemQ4.6_4:age.L	-0.03	0.34	-0.70	0.62	1.00	21772 12807
itemQ4.6_5:age.L	-0.38	0.32	-1.00	0.25	1.00	23342 13654
itemQ4.6_6:age.L	-0.38	0.36	-1.09	0.34	1.00	23972 12001
itemQ4.6_7:age.L	-0.21	0.41	-1.04	0.58	1.00	24793 14287
itemQ4.6_8:age.L	0.20	0.32	-0.43	0.83	1.00	23315 12886
itemQ4.6_9:age.L	-0.44	0.42	-1.28	0.38	1.00	26855 13206
itemQ4.6_1:age.Q	-0.32	0.27	-0.86	0.21	1.00	29309 13084
itemQ4.6_2:age.Q	-0.19	0.23	-0.65	0.25	1.00	27422 13139
itemQ4.6_3:age.Q	-0.61	0.39	-1.44	0.09	1.00	22563 11649
itemQ4.6_4:age.Q	-0.16	0.23	-0.61	0.29	1.00	25230 13126
itemQ4.6_5:age.Q	-0.12	0.22	-0.56	0.30	1.00	26810 13699
itemQ4.7_8	1.86	1.01	0.02	4.01	1.00	8893 8601
itemQ4.7_9	-3.40	1.23	-6.06	-1.25	1.00	10614 7744
itemQ4.7_1:sexMale	1.08	1.40	-1.41	4.09	1.00	19055 10775
itemQ4.7_2:sexMale	0.74	1.28	-1.56	3.45	1.00	17276 8956
itemQ4.7_3:sexMale	-0.81	1.40	-3.55	1.97	1.00	17328 11953
itemQ4.7_4:sexMale	-0.10	0.36	-0.80	0.62	1.00	14503 12011
itemQ4.7_5:sexMale	0.04	0.37	-0.68	0.77	1.00	15842 12020
itemQ4.7_6:sexMale	-0.52	0.51	-1.51	0.51	1.00	16334 11645
itemQ4.7_7:sexMale	0.04	0.33	-0.59	0.69	1.00	15230 12814
itemQ4.7_8:sexMale	-0.73	0.36	-1.45	-0.04	1.00	15700 12923
itemQ4.7_9:sexMale	0.65	0.42	-0.15	1.49	1.00	15939 12665
itemQ4.7_1:divisionRaw	-0.76	2.32	-4.91	4.21	1.00	14338 10650
itemQ4.7_2:divisionRaw	-0.46	2.36	-4.46	4.79	1.00	13038 8871
itemQ4.7_3:divisionRaw	-0.29	2.41	-4.50	4.96	1.00	13314 9945
itemQ4.7_4:divisionRaw	-1.08	0.86	-2.79	0.64	1.00	10403 9543
itemQ4.7_5:divisionRaw	-1.04	0.90	-2.82	0.73	1.00	11021 9726
itemQ4.7_6:divisionRaw	2.64	2.06	-0.70	7.31	1.00	11695 8248
itemQ4.7_7:divisionRaw	0.57	0.83	-1.03	2.26	1.00	11412 11238
itemQ4.7_8:divisionRaw	-0.34	0.99	-2.42	1.49	1.00	9218 8774
itemQ4.7_9:divisionRaw	1.22	1.22	-0.94	3.86	1.00	10493 7728
itemQ4.7_1:age.L	0.83	3.07	-5.43	6.84	1.00	14065 11551
itemQ4.7_2:age.L	-1.84	2.46	-7.51	2.12	1.00	11173 8456
itemQ4.7_3:age.L	-2.71	2.40	-8.19	1.13	1.00	12485 9688
itemQ4.7_4:age.L	-0.37	0.43	-1.21	0.46	1.00	14219 12327
itemQ4.7_5:age.L	-0.37	0.46	-1.27	0.50	1.00	17382 13242
itemQ4.7_6:age.L	-1.04	0.72	-2.53	0.27	1.00	15103 11315
itemQ4.7_7:age.L	-0.92	0.37	-1.67	-0.20	1.00	14350 12301
itemQ4.7_8:age.L	-0.47	0.38	-1.22	0.28	1.00	15663 12042
itemQ4.7_9:age.L	-0.04	0.43	-0.89	0.80	1.00	16415 12509
itemQ4.7_1:age.Q	-3.67	2.02	-8.21	-0.43	1.00	11799 9162
itemQ4.7_2:age.Q	-1.91	1.53	-5.39	0.57	1.00	11832 8898
itemQ4.7_3:age.Q	-0.47	1.61	-4.02	2.38	1.00	12922 9894
itemQ4.7_4:age.Q	-0.02	0.29	-0.59	0.53	1.00	15440 11753
itemQ4.7_5:age.Q	-0.44	0.30	-1.04	0.13	1.00	17262 12359

itemQ3.6_6:age.Q 0.11 0.26 -0.40 0.63 1.00 15531 12505	itemQ3.7_6:age.Q -0.37 0.47 -1.36 0.50 1.00 13664 11178	itemQ4.1_3:divisionRaw -0.16 0.89 -1.86 1.63 1.00 9909 9808	itemQ4.5_6:age.Q 0.16 0.26 -0.35 0.67 1.00 14084 12889	itemQ4.6_6:age.Q 0.03 0.24 -0.45 0.51 1.00 25709 13150	itemQ4.7_6:age.Q -0.24 0.46 -1.20 0.61 1.00 15977 11418
itemQ3.6_7:age.Q -0.19 0.25 -0.69 0.31 1.00 16742 12997	itemQ3.7_7:age.Q -0.35 0.24 -0.83 0.13 1.00 12571 12010	itemQ4.1_4:divisionRaw 0.50 1.25 -1.64 3.22 1.00 10134 8753	itemQ4.5_7:age.Q 0.24 0.40 -0.55 1.01 1.00 18255 12672	itemQ4.6_7:age.Q -0.41 0.27 -0.94 0.11 1.00 29666 12966	itemQ4.7_7:age.Q -0.05 0.25 -0.54 0.44 1.00 17308 13025
itemQ3.6_8:age.Q -0.12 0.23 -0.58 0.33 1.00 14674 11916	itemQ3.7_8:age.Q -0.04 0.24 -0.53 0.43 1.00 11966 12267	itemQ4.1_5:divisionRaw 0.90 0.83 -0.76 2.53 1.00 9158 10557	itemQ4.5_8:age.Q 0.30 0.34 -0.37 0.95 1.00 17222 13017	itemQ4.6_8:age.Q 0.46 0.22 0.02 0.90 1.00 26314 13457	itemQ4.7_8:age.Q -0.08 0.26 -0.60 0.43 1.00 17064 12348
itemQ3.6_9:age.Q 0.33 0.30 -0.27 0.92 1.00 16808 12615	itemQ3.7_9:age.Q -0.34 0.30 -0.92 0.23 1.00 12372 12184	itemQ4.1_6:divisionRaw -0.86 0.85 -2.51 0.82 1.00 9439 10822	itemQ4.5_9:age.Q -0.01 0.46 -0.92 0.87 1.00 18130 11924	itemQ4.6_9:age.Q 0.29 0.28 -0.27 0.84 1.00 27038 11685	itemQ4.7_9:age.Q 0.30 0.30 -0.30 0.87 1.00 14781 12020
itemQ3.6_1:weight_class.L 0.23 0.29 -0.33 0.81 1.00 14554 12148	itemQ3.7_1:weight_class.L -0.00 0.79 -1.53 1.60 1.00 16503 11148	itemQ4.1_7:divisionRaw 2.32 1.20 0.25 4.95 1.00 10528 9064	itemQ4.5_1:weight_class.L -0.39 0.27 -0.92 0.14 1.00 12689 12275	itemQ4.6_1:weight_class.L 0.31 0.34 -0.34 0.99 1.00 27620 13795	itemQ4.7_1:weight_class.L 0.05 1.17 -2.17 2.46 1.00 16340 10006
itemQ3.6_2:weight_class.L 0.05 0.26 -0.47 0.56 1.00 14707 11636	itemQ3.7_2:weight_class.L 0.56 0.72 -0.76 2.08 1.00 15935 10657	itemQ4.1_8:divisionRaw 3.19 2.00 -0.00 7.75 1.00 11785 8504	itemQ4.5_2:weight_class.L -0.24 0.30 -0.83 0.35 1.00 14489 12457	itemQ4.6_2:weight_class.L 0.12 0.25 -0.38 0.61 1.00 27283 13397	itemQ4.7_2:weight_class.L 0.26 1.05 -1.72 2.42 1.00 18392 10747
itemQ3.6_3:weight_class.L 0.39 0.33 -0.27 1.05 1.00 14969 11952	itemQ3.7_3:weight_class.L -0.78 1.58 -3.99 2.27 1.00 15413 11266	itemQ4.1_9:divisionRaw -3.46 0.87 -5.25 -1.80 1.00 9171 10077	itemQ4.5_3:weight_class.L 0.55 0.31 -0.07 1.16 1.00 14125 11700	itemQ4.6_3:weight_class.L 0.52 0.35 -0.16 1.22 1.00 27692 13334	itemQ4.7_3:weight_class.L 0.50 1.14 -1.68 2.88 1.00 19479 10290
itemQ3.6_4:weight_class.L 0.15 0.27 -0.38 0.68 1.00 14691 12056	itemQ3.7_4:weight_class.L -0.75 0.29 -1.33 -0.18 1.00 11754 12590	itemQ4.1_1:age.L -0.41 0.35 -1.11 0.28 1.00 9412 12040	itemQ4.5_4:weight_class.L -0.47 0.27 -1.00 0.06 1.00 12809 12188	itemQ4.6_4:weight_class.L -0.21 0.26 -0.71 0.30 1.00 27799 13315	itemQ4.7_4:weight_class.L 0.07 0.31 -0.52 0.69 1.00 17356 12459
itemQ3.6_5:weight_class.L -0.21 0.27 -0.73 0.31 1.00 15412 12743	itemQ3.7_5:weight_class.L -0.36 0.29 -0.93 0.20 1.00 11712 11812	itemQ4.1_10:age.L -1.76 2.35 -7.17 2.06 1.00 10124 8418	itemQ4.5_5:weight_class.L -0.32 0.27 -0.85 0.20 1.00 12583 11595	itemQ4.6_5:weight_class.L -0.28 0.25 -0.77 0.21 1.00 25165 13249	itemQ4.7_5:weight_class.L -0.01 0.31 -0.62 0.59 1.00 16131 12221
itemQ3.6_6:weight_class.L 0.52 0.31 -0.07 1.12 1.00 14597 12004	itemQ3.7_6:weight_class.L -0.48 0.45 -1.38 0.39 1.00 15299 11459	itemQ4.1_11:age.L -0.23 0.49 -1.18 0.73 1.00 12784 11724	itemQ4.5_6:weight_class.L 0.21 0.30 -0.36 0.80 1.00 14433 12556	itemQ4.6_6:weight_class.L 0.12 0.27 -0.41 0.65 1.00 26932 12686	itemQ4.7_6:weight_class.L 0.19 0.43 -0.65 1.05 1.00 19165 12057
itemQ3.6_7:weight_class.L 0.12 0.30 -0.47 0.71 1.00 15910 12166	itemQ3.7_7:weight_class.L -0.15 0.27 -0.69 0.38 1.00 12096 11638	itemQ4.1_12:age.L -0.07 0.81 -1.70 1.49 1.00 15903 11366	itemQ4.5_7:weight_class.L -0.09 0.45 -0.98 0.81 1.00 18561 12144	itemQ4.6_7:weight_class.L -0.16 0.29 -0.72 0.42 1.00 27606 11825	itemQ4.7_7:weight_class.L 0.01 0.28 -0.53 0.55 1.00 18090 12847
itemQ3.6_8:weight_class.L -0.04 0.27 -0.55 0.49 1.00 14585 11655	itemQ3.7_8:weight_class.L 0.38 0.28 -0.16 0.92 1.00 13001 11723	itemQ4.1_13:age.L 1.05 0.37 0.33 1.77 1.00 9640 11110	itemQ4.5_8:weight_class.L -0.35 0.38 -1.10 0.41 1.00 17917 12291	itemQ4.6_8:weight_class.L -0.08 0.25 -0.57 0.41 1.00 26953 13284	itemQ4.7_8:weight_class.L 0.23 0.30 -0.34 0.81 1.00 17738 10906
itemQ3.6_9:weight_class.L 0.71 0.36 0.03 1.41 1.00 16614 12549	itemQ3.7_9:weight_class.L 0.71 0.34 0.08 1.39 1.00 13165 12541	itemQ4.1_14:age.L 0.18 0.38 -0.58 0.92 1.00 9868 11154	itemQ4.5_9:weight_class.L 0.56 0.54 -0.46 1.65 1.00 16910 11657	itemQ4.6_9:weight_class.L 0.89 0.39 0.15 1.70 1.00 27325 12784	itemQ4.7_9:weight_class.L 0.97 0.34 0.31 1.66 1.00 16192 13360
itemQ3.6_1:weight_class.Q -0.16 0.25 -0.64 0.32 1.00 14523 11601	itemQ3.7_1:weight_class.Q -0.53 0.62 -1.79 0.67 1.00 17647 12075	itemQ4.1_15:age.L -0.11 0.41 -0.91 0.70 1.00 10163 10402	itemQ4.5_1:weight_class.Q -0.08 0.23 -0.53 0.37 1.00 12379 12103	itemQ4.6_1:weight_class.Q -0.71 0.26 -1.23 -0.20 1.00 27514 13038	itemQ4.7_1:weight_class.Q -0.19 0.96 -2.09 1.74 1.00 17770 12046
itemQ3.6_2:weight_class.Q 0.04 0.22 -0.40 0.47 1.00 12362 11125	itemQ3.7_2:weight_class.Q 0.11 0.64 -1.14 1.38 1.00 17116 11984	itemQ4.1_17:age.L -1.41 2.32 -6.79 2.36 1.00 11711 8818	itemQ4.5_2:weight_class.Q -0.27 0.27 -0.81 0.25 1.00 13444 11870	itemQ4.6_2:weight_class.Q -0.17 0.22 -0.60 0.25 1.00 26264 13378	itemQ4.7_2:weight_class.Q -0.05 0.90 -1.79 1.77 1.00 19815 12052
itemQ3.6_3:weight_class.Q -0.30 0.28 -0.84 0.26 1.00 15147 12255	itemQ3.7_3:weight_class.Q 2.57 2.58 -1.51 8.57 1.00 15769 9571	itemQ4.1_2:age.L 1.29 0.46 0.41 2.19 1.00 12009 11410	itemQ4.5_3:weight_class.Q -0.34 0.25 -0.84 0.15 1.00 12537 11501	itemQ4.6_3:weight_class.Q -0.44 0.28 -1.00 0.10 1.00 28933 13070	itemQ4.7_3:weight_class.Q 0.32 1.22 -1.89 2.96 1.00 19731 11785
itemQ3.6_4:weight_class.Q -0.21 0.23 -0.65 0.24 1.00 13137 11692	itemQ3.7_4:weight_class.Q 0.11 0.25 -0.38 0.60 1.00 12912 11518	itemQ4.1_3:age.L 0.25 0.39 -0.52 1.01 1.00 10806 12498	itemQ4.5_4:weight_class.Q 0.03 0.23 -0.43 0.49 1.00 11983 11313	itemQ4.6_4:weight_class.Q -0.30 0.22 -0.73 0.13 1.00 25770 13081	itemQ4.7_4:weight_class.Q -0.11 0.26 -0.62 0.40 1.00 18103 12839
itemQ3.6_5:weight_class.Q 0.09 0.23 -0.37 0.55 1.00 14313 12573	itemQ3.7_5:weight_class.Q 0.10 0.25 -0.39 0.60 1.00 12675 12487	itemQ4.1_4:age.L -0.40 0.46 -1.32 0.49 1.00 11635 10998	itemQ4.5_5:weight_class.Q -0.27 0.23 -0.73 0.20 1.00 12573 11825	itemQ4.6_5:weight_class.Q 0.21 0.21 -0.21 0.62 1.00 27238 13576	itemQ4.7_5:weight_class.Q 0.20 0.27 -0.33 0.74 1.00 17326 12038
itemQ3.6_6:weight_class.Q -0.29 0.25 -0.78 0.19 1.00 13411 11306	itemQ3.7_6:weight_class.Q 0.01 0.38 -0.72 0.77 1.00 16678 11212	itemQ4.1_5:age.L -0.33 0.42 -1.16 0.49 1.00 11601 11259	itemQ4.5_6:weight_class.Q -0.55 0.25 -1.03 -0.06 1.00 11570 10918	itemQ4.6_6:weight_class.Q -0.01 0.23 -0.45 0.44 1.00 27357 13414	itemQ4.7_6:weight_class.Q 0.33 0.40 -0.43 1.13 1.00 19614 12002
itemQ3.6_7:weight_class.Q -0.10 0.25 -0.58 0.37 1.00 14429 11865	itemQ3.7_7:weight_class.Q -0.64 0.25 -1.12 -0.17 1.00 11927 11733	itemQ4.1_6:age.L 0.70 0.37 -0.01 1.43 1.00 10393 11572	itemQ4.5_7:weight_class.Q 0.13 0.40 -0.64 0.91 1.00 18414 12271	itemQ4.6_7:weight_class.Q -0.05 0.25 -0.53 0.45 1.00 29690 12557	itemQ4.7_7:weight_class.Q -0.37 0.24 -0.84 0.09 1.00 16193 12317
itemQ3.6_8:weight_class.Q -0.14 0.23 -0.59 0.30 1.00 13577 11933	itemQ3.7_8:weight_class.Q 0.44 0.24 -0.03 0.90 1.00 11894 11449	itemQ4.1_7:age.L 0.57 0.36 -0.14 1.27 1.00 9181 10897	itemQ4.5_8:weight_class.Q -0.07 0.33 -0.73 0.58 1.00 16963 12378	itemQ4.6_8:weight_class.Q -0.18 0.22 -0.60 0.24 1.00 26495 12853	itemQ4.7_8:weight_class.Q 0.14 0.25 -0.35 0.63 1.00 17012 12596
itemQ3.6_9:weight_class.Q -0.24 0.29 -0.81 0.32 1.00 15332 12233	itemQ3.7_9:weight_class.Q 0.42 0.30 -0.17 1.01 1.00 12790 12483	itemQ4.1_8:age.L 0.29 0.45 -0.58 1.15 1.00 12504 12241	itemQ4.5_9:weight_class.Q -0.28 0.43 -1.13 0.57 1.00 17000 10853	itemQ4.6_9:weight_class.Q -0.33 0.30 -0.93 0.27 1.00 26751 12982	itemQ4.7_9:weight_class.Q 0.37 0.30 -0.22 0.95 1.00 16991 12477
itemQ3.6_1:glp.L 0.08 0.06 -0.04 0.20 1.00 14219 12490	itemQ3.7_1:glp.L 0.20 0.20 -0.15 0.62 1.00 14024 10810	itemQ4.1_9:age.L 0.69 0.43 -0.14 1.54 1.00 11618 11245	itemQ4.5_1:glp.L -0.00 0.05 -0.11 0.10 1.00 12792 12272	itemQ4.6_1:glp.L 0.05 0.06 -0.07 0.17 1.00 27928 12496	itemQ4.7_1:glp.L 0.10 0.26 -0.40 0.63 1.00 16128 11674
itemQ3.6_2:glp.L 0.09 0.05 -0.01 0.20 1.00 13715 12209	itemQ3.7_2:glp.L 0.21 0.19 -0.13 0.60 1.00 14421 10892	itemQ4.1_1:age.Q 0.12 0.24 -0.35 0.60 1.00 11160 11128	itemQ4.5_2:glp.L 0.05 0.06 -0.06 0.17 1.00 13792 12303	itemQ4.6_2:glp.L 0.07 0.05 -0.03 0.18 1.00 25500 12283	itemQ4.7_2:glp.L -0.01 0.25 -0.52 0.48 1.00 17694 11015
itemQ3.6_3:glp.L 0.15 0.07 0.02 0.28 1.00 15315 12771	itemQ3.7_3:glp.L 0.55 0.49 -0.30 1.61 1.00 13201 9937	itemQ4.1_10:age.Q -2.02 1.45 -5.28 0.32 1.00 10826 8935	itemQ4.5_3:glp.L 0.13 0.06 0.01 0.26 1.00 14570 12062	itemQ4.6_3:glp.L 0.21 0.09 0.04 0.39 1.00 28830 13932	itemQ4.7_3:glp.L 0.61 0.34 0.05 1.37 1.00 13543 9955
itemQ3.6_4:glp.L 0.02 0.05 -0.08 0.13 1.00 14044 12751	itemQ3.7_4:glp.L 0.13 0.06 0.01 0.25 1.00 12680 12743	itemQ4.1_11:age.Q 0.38 0.32 -0.23 1.02 1.00 14465 11424	itemQ4.5_4:glp.L -0.01 0.06 -0.12 0.10 1.00 13428 12454	itemQ4.6_4:glp.L -0.00 0.05 -0.10 0.11 1.00 25465 11864	itemQ4.7_4:glp.L 0.05 0.07 -0.07 0.18 1.00 15822 12145
itemQ3.6_5:glp.L 0.06 0.05 -0.04 0.17 1.00 14077 11657	itemQ3.7_5:glp.L 0.04 0.06 -0.08 0.15 1.00 12486 12302	itemQ4.1_12:age.Q -1.03 0.51 -2.09 -0.08 1.00 15553 9968	itemQ4.5_5:glp.L 0.00 0.06 -0.10 0.11 1.00 13110 11960	itemQ4.6_5:glp.L 0.06 0.05 -0.04 0.16 1.00 27365 13026	itemQ4.7_5:glp.L 0.08 0.06 -0.04 0.20 1.00 15665 12540
itemQ3.6_6:glp.L 0.16 0.06 0.04 0.28 1.00 14610 12452	itemQ3.7_6:glp.L 0.13 0.11 -0.07 0.35 1.00 13170 10939	itemQ4.1_13:age.Q 0.02 0.25 -0.47 0.50 1.00 11315 11677	itemQ4.5_6:glp.L 0.23 0.07 0.10 0.37 1.00 12909 11918	itemQ4.6_6:glp.L 0.22 0.06 0.10 0.35 1.00 25684 13319	itemQ4.7_6:glp.L 0.15 0.10 -0.04 0.37 1.00 17376 12151
itemQ3.6_7:glp.L 0.00 0.06 -0.12 0.12 1.00 15051 12311	itemQ3.7_7:glp.L 0.06 0.06 -0.05 0.17 1.00 12155 11430	itemQ4.1_14:age.Q 0.33 0.27 -0.19 0.86 1.00 12284 10986	itemQ4.5_7:glp.L 0.02 0.09 -0.16 0.19 1.00 15617 11671	itemQ4.6_7:glp.L -0.04 0.07 -0.17 0.09 1.00 27714 12480	itemQ4.7_7:glp.L 0.06 0.06 -0.06 0.17 1.00 14662 12351
itemQ3.6_8:glp.L 0.06 0.05 -0.04 0.17 1.00 13988 12695	itemQ3.7_8:glp.L 0.07 0.06 -0.05 0.18 1.00 11862 12229	itemQ4.1_15:age.Q -0.58 0.28 -1.14 -0.04 1.00 13262 10623	itemQ4.5_8:glp.L 0.13 0.08 -0.02 0.30 1.00 15886 11897	itemQ4.6_8:glp.L -0.06 0.05 -0.16 0.04 1.00 26738 12326	itemQ4.7_8:glp.L 0.02 0.06 -0.10 0.13 1.00 14833 11791
itemQ3.6_9:glp.L 0.09 0.07 -0.05 0.22 1.00 14866 12129	itemQ3.7_9:glp.L -0.00 0.07 -0.13 0.13 1.00 12449 11762	itemQ4.1_17:age.Q -2.38 1.41 -5.64 -0.14 1.00 12322 8579	itemQ4.5_9:glp.L 0.17 0.11 -0.03 0.38 1.00 15527 12278	itemQ4.6_9:glp.L 0.02 0.06 -0.10 0.15 1.00 26444 12516	itemQ4.7_9:glp.L 0.07 0.07 -0.06 0.21 1.00 17136 12649
itemQ3.6_1:glp.Q 0.04 0.97 -1.92 1.92 1.00 15998 11791	itemQ3.7_1:glp.Q -3.00 2.82 -9.06 2.04 1.00 16199 11096	itemQ4.1_2:age.Q -0.12 0.31 -0.72 0.48 1.00 12169 11197	itemQ4.5_1:glp.Q 0.78 0.94 -1.07 2.66 1.00 16048 11925	itemQ4.6_1:glp.Q 0.86 1.03 -1.17 2.82 1.00 29265 13236	itemQ4.7_1:glp.Q -2.94 3.50 -10.12 3.54 1.00 22553 12064
itemQ3.6_2:glp.Q -1.10 0.90 -2.87 0.65 1.00 15607 11894	itemQ3.7_2:glp.Q -2.20 2.65 -7.75 2.55 1.00 15979 12272	itemQ4.1_3:age.Q -0.33 0.27 -0.85 0.19 1.00 11748 12172	itemQ4.5_2:glp.Q -2.36 0.99 -4.30 -0.42 1.00 15715 12248	itemQ4.6_2:glp.Q -0.95 0.94 -2.83 0.85 1.00 31413 12121	itemQ4.7_2:glp.Q -2.72 3.44 -9.94 3.46 1.00 21658 12336
itemQ3.6_3:glp.Q 0.43 1.09 -1.77 2.47 1.00 16578 11621	itemQ3.7_3:glp.Q -3.13 4.10 -11.55 4.50 1.00 15929 11940	itemQ4.1_4:age.Q -0.03 0.32 -0.68 0.59 1.00 12613 11263	itemQ4.5_3:glp.Q -0.28 1.06 -2.43 1.77 1.00 16762 11815	itemQ4.6_3:glp.Q -5.11 1.77 -8.81 -1.88 1.00 26440 12598	itemQ4.7_3:glp.Q -0.36 3.54 -7.61 6.13 1.00 15254 12147

itemQ3.6_4:glp.Q	0.42	0.89	-1.31	2.16	1.00
15678 11297					
itemQ3.6_5:glp.Q	-2.47	0.87	-4.17	-0.76	1.00
15381 12285					
itemQ3.6_6:glp.Q	-0.36	1.02	-2.45	1.63	1.00
16973 11780					
itemQ3.6_7:glp.Q	-1.15	1.01	-3.19	0.77	1.00
17011 12491					
itemQ3.6_8:glp.Q	0.07	0.89	-1.71	1.79	1.00
14722 11101					
itemQ3.6_9:glp.Q	-0.37	1.11	-2.62	1.74	1.00
18234 11790					
itemQ3.6_1:pl_exp.L	0.08	0.05	-0.02	0.18	1.00
15616 12038					
itemQ3.6_2:pl_exp.L	0.00	0.05	-0.09	0.09	1.00
13010 12503					
itemQ3.6_3:pl_exp.L	-0.01	0.05	-0.12	0.09	1.00
15947 12270					
itemQ3.6_4:pl_exp.L	0.05	0.05	-0.04	0.14	1.00
14014 11756					
itemQ3.6_5:pl_exp.L	-0.05	0.05	-0.14	0.04	1.00
13887 11839					
itemQ3.6_6:pl_exp.L	-0.03	0.05	-0.13	0.07	1.00
15598 12280					
itemQ3.6_7:pl_exp.L	-0.00	0.05	-0.11	0.10	1.00
14428 11812					
itemQ3.6_8:pl_exp.L	-0.13	0.05	-0.23	-0.04	1.00
13528 11560					
itemQ3.6_9:pl_exp.L	-0.13	0.07	-0.26	0.00	1.00
17083 12637					
itemQ3.6_1:pl_exp.Q	-1.00	0.55	-2.08	0.07	1.00
15480 12232					
itemQ3.6_2:pl_exp.Q	-1.26	0.51	-2.26	-0.27	1.00
14044 12444					
itemQ3.6_3:pl_exp.Q	0.09	0.60	-1.08	1.28	1.00
16843 12849					
itemQ3.6_4:pl_exp.Q	-0.37	0.50	-1.34	0.61	1.00
13686 12634					
itemQ3.6_5:pl_exp.Q	-0.59	0.50	-1.58	0.41	1.00
14593 12028					
itemQ3.6_6:pl_exp.Q	-0.48	0.56	-1.59	0.62	1.00
15463 12625					
itemQ3.6_7:pl_exp.Q	-0.97	0.56	-2.08	0.12	1.00
14719 12601					
itemQ3.6_8:pl_exp.Q	-1.10	0.53	-2.14	-0.07	1.00
13438 10975					
itemQ3.6_9:pl_exp.Q	-1.02	0.71	-2.47	0.34	1.00
16606 12162					
itemQ3.6_1:rt_exp.L	0.11	0.09	-0.06	0.28	1.00
9838 11290					
itemQ3.6_2:rt_exp.L	0.13	0.08	-0.03	0.29	1.00
7976 9824					
itemQ3.6_3:rt_exp.L	-0.07	0.10	-0.28	0.13	1.00
12177 12444					
itemQ3.6_4:rt_exp.L	0.05	0.08	-0.11	0.20	1.00
9569 11832					
itemQ3.6_5:rt_exp.L	0.06	0.08	-0.09	0.23	1.00
9749 11091					
itemQ3.6_6:rt_exp.L	-0.05	0.09	-0.24	0.12	1.00
10026 11662					
itemQ3.6_7:rt_exp.L	0.07	0.09	-0.10	0.24	1.00
9689 11999					
itemQ3.6_8:rt_exp.L	-0.06	0.08	-0.23	0.10	1.00
9604 11521					
itemQ3.6_9:rt_exp.L	-0.01	0.11	-0.23	0.21	1.00
10439 11658					
itemQ3.6_1:rt_exp.Q	1.49	0.83	-0.14	3.10	1.00
10557 12002					
itemQ3.7_4:glp.Q	1.47	1.02	-0.55	3.45	1.00
14777 11277					
itemQ3.7_5:glp.Q	1.37	1.00	-0.60	3.31	1.00
14455 11505					
itemQ3.7_6:glp.Q	0.14	1.64	-3.19	3.21	1.00
14219 10822					
itemQ3.7_7:glp.Q	-1.22	0.97	-3.11	0.70	1.00
14683 12425					
itemQ3.7_8:glp.Q	-0.77	0.96	-2.66	1.14	1.00
14315 12361					
itemQ3.7_9:glp.Q	1.10	1.09	-1.09	3.18	1.00
15628 11647					
itemQ3.7_1:pl_exp.L	0.22	0.14	-0.04	0.50	1.00
15095 11112					
itemQ3.7_2:pl_exp.L	0.15	0.12	-0.08	0.39	1.00
19123 12008					
itemQ3.7_3:pl_exp.L	0.53	0.45	-0.19	1.58	1.00
11218 8851					
itemQ3.7_4:pl_exp.L	0.02	0.05	-0.09	0.12	1.00
13521 12269					
itemQ3.7_5:pl_exp.L	0.01	0.05	-0.10	0.11	1.00
13754 12402					
itemQ3.7_6:pl_exp.L	0.07	0.09	-0.10	0.24	1.00
16568 11981					
itemQ3.7_7:pl_exp.L	0.01	0.05	-0.09	0.10	1.00
13008 11788					
itemQ3.7_8:pl_exp.L	-0.01	0.05	-0.10	0.08	1.00
12348 11343					
itemQ3.7_9:pl_exp.L	0.04	0.06	-0.07	0.15	1.00
14356 12035					
itemQ3.7_1:pl_exp.Q	-0.39	1.29	-3.01	2.05	1.00
15591 12568					
itemQ3.7_2:pl_exp.Q	0.20	1.18	-2.18	2.46	1.00
17832 12929					
itemQ3.7_3:pl_exp.Q	-0.16	2.99	-6.24	5.65	1.00
12319 10481					
itemQ3.7_4:pl_exp.Q	-0.53	0.55	-1.63	0.53	1.00
11829 12724					
itemQ3.7_5:pl_exp.Q	-1.26	0.56	-2.38	-0.17	1.00
13073 11560					
itemQ3.7_6:pl_exp.Q	-1.28	0.91	-3.14	0.46	1.00
14865 11855					
itemQ3.7_7:pl_exp.Q	-0.29	0.53	-1.30	0.77	1.00
11830 12455					
itemQ3.7_8:pl_exp.Q	-1.26	0.50	-2.27	-0.26	1.00
11638 11745					
itemQ3.7_9:pl_exp.Q	-0.60	0.60	-1.79	0.57	1.00
13876 12732					
itemQ3.7_1:rt_exp.L	-0.17	0.24	-0.69	0.25	1.00
10409 10019					
itemQ3.7_2:rt_exp.L	-0.02	0.22	-0.48	0.38	1.00
10266 9240					
itemQ3.7_3:rt_exp.L	-0.17	0.48	-1.17	0.74	1.00
13820 11384					
itemQ3.7_4:rt_exp.L	-0.19	0.10	-0.39	0.00	1.00
8208 10091					
itemQ3.7_5:rt_exp.L	-0.02	0.09	-0.20	0.16	1.00
8538 10481					
itemQ3.7_6:rt_exp.L	0.12	0.13	-0.15	0.37	1.00
9541 11114					
itemQ3.7_7:rt_exp.L	-0.00	0.09	-0.17	0.17	1.00
9185 11911					
itemQ3.7_8:rt_exp.L	0.03	0.09	-0.14	0.19	1.00
8190 10900					
itemQ3.7_9:rt_exp.L	0.04	0.10	-0.16	0.23	1.00
8714 11111					
itemQ3.7_1:rt_exp.Q	-0.74	2.04	-4.87	3.12	1.00
10325 10692					
itemQ4.1_5:age.Q	-0.04	0.28	-0.58	0.51	1.00
12858 12076					
itemQ4.1_6:age.Q	0.35	0.26	-0.16	0.85	1.00
10918 10762					
itemQ4.1_7:age.Q	-0.05	0.24	-0.53	0.43	1.00
10529 11184					
itemQ4.1_8:age.Q	-0.22	0.30	-0.81	0.36	1.00
13633 12078					
itemQ4.1_9:age.Q	0.07	0.29	-0.50	0.64	1.00
12748 12300					
itemQ4.1_1:weight_class.L	-0.52	0.27	-1.04	-0.00	1.00
9905 12013					
itemQ4.1_10:weight_class.L	1.11	1.00	-0.65	3.29	1.00
16434 10606					
itemQ4.1_11:weight_class.L	-0.09	0.35	-0.79	0.59	
1.00 13391 12438					
itemQ4.1_12:weight_class.L	-0.01	0.46	-0.89	0.91	
1.00 14559 11559					
itemQ4.1_13:weight_class.L	0.17	0.28	-0.37	0.72	1.00
11102 10985					
itemQ4.1_14:weight_class.L	-0.31	0.30	-0.90	0.28	
1.00 11548 9245					
itemQ4.1_15:weight_class.L	-0.30	0.31	-0.91	0.30	
1.00 11599 11576					
itemQ4.1_17:weight_class.L	0.36	0.76	-1.08	1.93	1.00
18765 11474					
itemQ4.1_2:weight_class.L	-0.00	0.36	-0.70	0.72	1.00
14070 12317					
itemQ4.1_3:weight_class.L	-0.11	0.29	-0.69	0.47	1.00
11692 11667					
itemQ4.1_4:weight_class.L	-0.13	0.35	-0.81	0.55	1.00
13613 12188					
itemQ4.1_5:weight_class.L	-0.23	0.31	-0.85	0.37	1.00
12867 12183					
itemQ4.1_6:weight_class.L	0.07	0.30	-0.51	0.66	1.00
11068 12131					
itemQ4.1_7:weight_class.L	-0.16	0.27	-0.71	0.37	1.00
10332 10865					
itemQ4.1_8:weight_class.L	-0.16	0.33	-0.80	0.47	1.00
12615 11301					
itemQ4.1_9:weight_class.L	0.31	0.34	-0.35	0.99	1.00
12092 11776					
itemQ4.1_1:weight_class.Q	0.01	0.23	-0.44	0.45	1.00
11277 10872					
itemQ4.1_10:weight_class.Q	0.28	0.91	-1.46	2.13	
1.00 16469 12110					
itemQ4.1_11:weight_class.Q	0.10	0.30	-0.50	0.69	
1.00 13845 12010					
itemQ4.1_12:weight_class.Q	0.12	0.41	-0.69	0.93	
1.00 16359 11798					
itemQ4.1_13:weight_class.Q	-0.11	0.24	-0.59	0.37	
1.00 11635 11786					
itemQ4.1_14:weight_class.Q	-0.29	0.26	-0.80	0.20	
1.00 12732 12580					
itemQ4.1_15:weight_class.Q	-0.55	0.29	-1.13	0.02	
1.00 14457 11677					
itemQ4.1_17:weight_class.Q	0.60	0.74	-0.81	2.10	
1.00 18141 12178					
itemQ4.1_2:weight_class.Q	-0.50	0.30	-1.09	0.09	1.00
13306 12120					
itemQ4.1_3:weight_class.Q	-0.15	0.25	-0.65	0.34	1.00
11400 10489					
itemQ4.1_4:weight_class.Q	-0.07	0.30	-0.66	0.52	1.00
14174 11159					
itemQ4.1_5:weight_class.Q	-0.55	0.29	-1.12	0.02	1.00
13888 11943					
itemQ4.1_6:weight_class.Q	-0.35	0.25	-0.85	0.15	1.00
12449 12561					
itemQ4.5_4:glp.Q	-0.23	0.95	-2.11	1.60	1.00
15104 12666					
itemQ4.5_5:glp.Q	0.15	0.92	-1.64	1.98	1.00
15943 12083					
itemQ4.5_6:glp.Q	-1.73	1.17	-4.12	0.48	1.00
16826 11976					
itemQ4.5_7:glp.Q	1.20	1.41	-1.74	3.84	1.00
19161 11591					
itemQ4.5_8:glp.Q	0.91	1.34	-1.79	3.48	1.00
19101 12970					
itemQ4.5_9:glp.Q	0.51	1.64	-2.85	3.55	1.00
17057 11540					
itemQ4.5_1:pl_exp.L	0.01	0.05	-0.08	0.10	1.00
13073 11792					
itemQ4.5_2:pl_exp.L	0.02	0.05	-0.08	0.12	1.00
14394 12336					
itemQ4.5_3:pl_exp.L	-0.05	0.05	-0.15	0.06	1.00
14334 12664					
itemQ4.5_4:pl_exp.L	-0.02	0.05	-0.11	0.08	1.00
13245 12133					
itemQ4.5_5:pl_exp.L	0.07	0.05	-0.03	0.16	1.00
12441 12713					
itemQ4.5_6:pl_exp.L	-0.02	0.05	-0.12	0.08	1.00
12833 12371					
itemQ4.5_7:pl_exp.L	-0.04	0.09	-0.22	0.12	1.00
19222 11696					
itemQ4.5_8:pl_exp.L	-0.05	0.08	-0.21	0.10	1.00
17848 12744					
itemQ4.5_9:pl_exp.L	0.01	0.09	-0.17	0.18	1.00
18777 11291					
itemQ4.5_1:pl_exp.Q	-0.08	0.50	-1.06	0.89	1.00
13490 12574					
itemQ4.5_2:pl_exp.Q	-1.72	0.56	-2.83	-0.62	1.00
13689 12499					
itemQ4.5_3:pl_exp.Q	-0.97	0.57	-2.08	0.12	1.00
14317 12442					
itemQ4.5_4:pl_exp.Q	-0.67	0.53	-1.72	0.34	1.00
13939 11587					
itemQ4.5_5:pl_exp.Q	-0.29	0.51	-1.28	0.72	1.00
12577 10938					
itemQ4.5_6:pl_exp.Q	-0.40	0.55	-1.48	0.66	1.00
13743 12819					
itemQ4.5_7:pl_exp.Q	-1.19	0.95	-3.09	0.59	1.00
18998 12547					
itemQ4.5_8:pl_exp.Q	-1.16	0.83	-2.84	0.41	1.00
17957 12652					
itemQ4.5_9:pl_exp.Q	-0.48	0.94	-2.41	1.31	1.00
18034 12293					
itemQ4.5_1:rt_exp.L	0.01	0.08	-0.15	0.17	1.00
8761 10754					
itemQ4.5_2:rt_exp.L	0.02	0.09	-0.17	0.20	1.00
10717 11946					
itemQ4.5_3:rt_exp.L	-0.13	0.10	-0.32	0.06	1.00
10471 12179					
itemQ4.5_4:rt_exp.L	0.12	0.08	-0.04	0.28	1.00
8654 9812					
itemQ4.5_5:rt_exp.L	-0.01	0.08	-0.18	0.16	1.00
9035 10740					
itemQ4.5_6:rt_exp.L	0.01	0.09	-0.16	0.18	1.00
9011 11296					
itemQ4.5_7:rt_exp.L	0.19	0.12	-0.05	0.43	1.00
12631 12703					
itemQ4.5_8:rt_exp.L	-0.05	0.12	-0.30	0.18	1.00
10394 11227					
itemQ4.5_9:rt_exp.L	-0.26	0.21	-0.70	0.10	1.00
13322 11320					
itemQ4.5_1:rt_exp.Q	0.92	0.78	-0.61	2.45	1.00
8433 10539					
itemQ4.6_4:glp.Q	-0.53	0.92	-2.34	1.24	1.00
31189 13118					
itemQ4.6_5:glp.Q	-1.80	0.86	-3.51	-0.13	1.00
29862 11348					
itemQ4.6_6:glp.Q	-0.88	1.06	-3.05	1.14	1.00
27559 13229					
itemQ4.6_7:glp.Q	-2.07	1.16	-4.46	0.10	1.00
31351 12583					
itemQ4.6_8:glp.Q	0.24	0.87	-1.49	1.95	1.00
27738 12889					
itemQ4.6_9:glp.Q	0.77	1.05	-1.34	2.81	1.00
30036 12505					
itemQ4.6_1:pl_exp.L	0.06	0.05	-0.05	0.16	1.00
26939 11332					
itemQ4.6_2:pl_exp.L	0.03	0.05	-0.06	0.12	1.00
26261 13207					
itemQ4.6_3:pl_exp.L	-0.06	0.06	-0.19	0.06	1.00
27056 12429					
itemQ4.6_4:pl_exp.L	0.07	0.05	-0.02	0.16	1.00
27971 13323					
itemQ4.6_5:pl_exp.L	0.02	0.04	-0.07	0.10	1.00
25022 13385					
itemQ4.6_6:pl_exp.L	0.00	0.05	-0.09	0.10	1.00
23964 13248					
itemQ4.6_7:pl_exp.L	0.04	0.05	-0.06	0.14	1.00
24247 12933					
itemQ4.6_8:pl_exp.L	-0.12	0.05	-0.22	-0.02	1.00
23308 12552					
itemQ4.6_9:pl_exp.L	-0.08	0.07	-0.22	0.04	1.00
25587 12663					
itemQ4.6_1:pl_exp.Q	-0.37	0.55	-1.48	0.69	1.00
25900 12249					
itemQ4.6_2:pl_exp.Q	-0.52	0.46	-1.43	0.38	1.00
26193 11814					
itemQ4.6_3:pl_exp.Q	-0.53	0.61	-1.75	0.64	1.00
27048 13130					
itemQ4.6_4:pl_exp.Q	-0.65	0.47	-1.57	0.26	1.00
25681 13146					
itemQ4.6_5:pl_exp.Q	-0.39	0.46	-1.29	0.51	1.00
25488 12999					
itemQ4.6_6:pl_exp.Q	-0.38	0.50	-1.39	0.58	1.00
24156 13893					
itemQ4.6_7:pl_exp.Q	0.05	0.53	-0.96	1.06	1.00
26655 13260					
itemQ4.6_8:pl_exp.Q	-1.46	0.51	-2.46	-0.47	1.00
25278 13438					
itemQ4.6_9:pl_exp.Q	-1.25	0.68	-2.64	0.04	1.00
25697 13357					
itemQ4.6_1:rt_exp.L	0.09	0.09	-0.08	0.26	1.00
19290 13406					
itemQ4.6_2:rt_exp.L	-0.00	0.08	-0.15	0.15	1.00
18229 12913					
itemQ4.6_3:rt_exp.L	-0.09	0.10	-0.29	0.11	1.00
19855 12555					
itemQ4.6_4:rt_exp.L	0.11	0.08	-0.04	0.26	1.00
18937 12430					
itemQ4.6_5:rt_exp.L	0.06	0.08	-0.09	0.22	1.00
18821 13038					
itemQ4.6_6:rt_exp.L	-0.17	0.09	-0.35	-0.00	1.00
19566 12524					
itemQ4.6_7:rt_exp.L	0.13	0.08	-0.04	0.29	1.00
18945 13572					
itemQ4.6_8:rt_exp.L	0.04	0.08	-0.11	0.20	1.00
17980 12625					
itemQ4.6_9:rt_exp.L	-0.02	0.11	-0.24	0.19	1.00
20422 13048					
itemQ4.6_1:rt_exp.Q	0.71	0.87	-1.00	2.40	1.00
19252 13174					
itemQ4.7_4:glp.Q	-0.40	1.19	-2.77	1.86	1.00
17955 12667					
itemQ4.7_5:glp.Q	1.76	1.13	-0.45	3.99	1.00
17547 11940					
itemQ4.7_6:glp.Q	-1.24	1.81	-5.03	2.12	1.00
18243 12416					
itemQ4.7_7:glp.Q	-2.19	1.05	-4.27	-0.13	1.00
18431 13341					
itemQ4.7_8:glp.Q	-1.26	1.07	-3.35	0.87	1.00
17324 10787					
itemQ4.7_9:glp.Q	0.14	1.27	-2.46	2.57	1.00
17651 12056					
itemQ4.7_1:pl_exp.L	0.21	0.19	-0.13	0.62	1.00
19025 9991					
itemQ4.7_2:pl_exp.L	-0.00	0.17	-0.35	0.33	1.00
18335 11442					
itemQ4.7_3:pl_exp.L	-0.05	0.20	-0.45	0.33	1.00
20181 12571					
itemQ4.7_4:pl_exp.L	0.02	0.06	-0.10	0.13	1.00
16461 12241					
itemQ4.7_5:pl_exp.L	-0.04	0.06	-0.16	0.08	1.00
15830 11363					
itemQ4.7_6:pl_exp.L	0.07	0.08	-0.10	0.23	1.00
16782 12452					
itemQ4.7_7:pl_exp.L	0.07	0.05	-0.02	0.17	1.00
16941 12717					
itemQ4.7_8:pl_exp.L	-0.03	0.05	-0.13	0.07	1.00
15665 12766					
itemQ4.7_9:pl_exp.L	0.06	0.06	-0.06	0.17	1.00
18122 12886					
itemQ4.7_1:pl_exp.Q	1.39	1.63	-1.81	4.57	1.00
18526 11034					
itemQ4.7_2:pl_exp.Q	0.50	1.57	-2.67	3.54	1.00
20676 12192					
itemQ4.7_3:pl_exp.Q	1.88	2.00	-1.98	5.86	1.00
19212 12820					
itemQ4.7_4:pl_exp.Q	-1.07	0.57	-2.20	0.02	1.00
16355 11631					
itemQ4.7_5:pl_exp.Q	-1.39	0.61	-2.63	-0.22	1.00
16171 12771					
itemQ4.7_6:pl_exp.Q	-0.51	0.80	-2.11	1.04	1.00
16914 12349					
itemQ4.7_7:pl_exp.Q	-0.14	0.50	-1.12	0.88	1.00
15841 12517					
itemQ4.7_8:pl_exp.Q	-1.06	0.52	-2.06	-0.03	1.00
14930 12995					
itemQ4.7_9:pl_exp.Q	0.31	0.57	-0.81	1.43	1.00
15745 13100					
itemQ4.7_1:rt_exp.L	-0.28	0.32	-0.97	0.29	1.00
13673 11560					
itemQ4.7_2:rt_exp.L	-0.22	0.31	-0.89	0.34	1.00
13356 10586					
itemQ4.7_3:rt_exp.L	0.04	0.36	-0.71	0.72	1.00
13841 11809					
itemQ4.7_4:rt_exp.L	-0.06	0.10	-0.25	0.13	1.00
10882 11487					
itemQ4.7_5:rt_exp.L	-0.13	0.10	-0.34	0.06	1.00
10889 10852					
itemQ4.7_6:rt_exp.L	0.04	0.14	-0.25	0.30	1.00
12605 11356					
itemQ4.7_7:rt_exp.L	0.01	0.08	-0.15	0.17	1.00
10827 11085					
itemQ4.7_8:rt_exp.L	0.04	0.09	-0.13	0.21	1.00
10938 12612					
itemQ4.7_9:rt_exp.L	0.06	0.10	-0.14	0.25	1.00
10261 11756					
itemQ4.7_1:rt_exp.Q	-4.60	2.87	-10.52	0.83	1.00
13490 11372					

itemQ3.6_2:rt_exp.Q	1.56	0.77	0.06	3.09	1.00
8911	9579				
itemQ3.6_3:rt_exp.Q	-0.54	0.96	-2.41	1.34	1.00
11753	11741				
itemQ3.6_4:rt_exp.Q	0.72	0.75	-0.76	2.18	1.00
9353	11165				
itemQ3.6_5:rt_exp.Q	1.12	0.78	-0.39	2.67	1.00
10528	11058				
itemQ3.6_6:rt_exp.Q	-0.24	0.85	-1.88	1.43	1.00
9669	11354				
itemQ3.6_7:rt_exp.Q	1.26	0.81	-0.32	2.85	1.00
9589	11162				
itemQ3.6_8:rt_exp.Q	1.11	0.78	-0.42	2.62	1.00
10170	11016				
itemQ3.6_9:rt_exp.Q	0.88	1.00	-1.07	2.83	1.00
10261	12103				

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ3.6_1	-0.124	0.013	0.014
b_itemQ3.6_2	-0.153	-0.021	0.002
b_itemQ3.6_3	-0.143	-0.016	-0.010
b_itemQ3.6_4	-0.127	0.040	0.021
b_itemQ3.6_5	-0.133	-0.014	0.007
b_itemQ3.6_6	-0.135	0.001	0.002
b_itemQ3.6_7	-0.181	0.030	0.028
b_itemQ3.6_8	-0.136	-0.007	0.000
b_itemQ3.6_9	-0.112	0.015	-0.008
b_itemQ3.6_1:sexMale	-0.220	-0.002	0.002
b_itemQ3.6_2:sexMale	-0.188	0.009	-0.003
b_itemQ3.6_3:sexMale	-0.307	0.003	0.001
b_itemQ3.6_4:sexMale	-0.230	-0.020	0.000
b_itemQ3.6_5:sexMale	-0.229	-0.005	-0.009
b_itemQ3.6_6:sexMale	-0.252	-0.026	0.011
b_itemQ3.6_7:sexMale	-0.229	0.010	-0.002
b_itemQ3.6_8:sexMale	-0.189	-0.002	-0.020
b_itemQ3.6_9:sexMale	-0.279	-0.015	-0.039
b_itemQ3.6_1:divisionRaw	-0.134	0.019	0.010
b_itemQ3.6_2:divisionRaw	-0.176	-0.003	-0.012
b_itemQ3.6_3:divisionRaw	-0.184	-0.009	-0.008
b_itemQ3.6_4:divisionRaw	-0.141	0.055	0.013
b_itemQ3.6_5:divisionRaw	-0.132	-0.014	-0.005
b_itemQ3.6_6:divisionRaw	-0.144	-0.002	-0.007
b_itemQ3.6_7:divisionRaw	-0.188	0.041	0.015
b_itemQ3.6_8:divisionRaw	-0.162	0.001	0.006
b_itemQ3.6_9:divisionRaw	-0.141	-0.002	-0.014
b_itemQ3.6_1:age.L	-0.169	0.006	-0.004
b_itemQ3.6_2:age.L	-0.182	-0.017	0.003
b_itemQ3.6_3:age.L	-0.178	-0.003	-0.033
b_itemQ3.6_4:age.L	-0.182	-0.037	0.017
b_itemQ3.6_5:age.L	-0.200	-0.029	-0.032
b_itemQ3.6_6:age.L	-0.227	-0.043	0.022
b_itemQ3.6_7:age.L	-0.217	-0.008	-0.013
b_itemQ3.6_8:age.L	-0.188	-0.019	0.001
b_itemQ3.6_9:age.L	-0.236	-0.015	0.001
b_itemQ3.6_1:age.Q	-0.223	0.001	-0.033
b_itemQ3.6_2:age.Q	-0.196	-0.006	0.011
b_itemQ3.6_3:age.Q	-0.176	0.007	-0.047
b_itemQ3.6_4:age.Q	-0.204	-0.003	0.005
b_itemQ3.6_5:age.Q	-0.229	-0.011	-0.018
b_itemQ3.6_6:age.Q	-0.237	-0.005	0.016
b_itemQ3.6_7:age.Q	-0.262	-0.024	0.025

itemQ3.7_2:rt_exp.Q	-0.57	1.98	-4.64	3.13	1.00
10220	9634				
itemQ3.7_3:rt_exp.Q	-5.21	3.79	-12.81	1.97	1.00
14919	12904				
itemQ3.7_4:rt_exp.Q	-1.02	0.91	-2.82	0.74	1.00
8016	8996				
itemQ3.7_5:rt_exp.Q	0.66	0.86	-1.02	2.32	1.00
8246	10267				
itemQ3.7_6:rt_exp.Q	2.73	1.29	0.19	5.27	1.00
9163	11607				
itemQ3.7_7:rt_exp.Q	0.48	0.82	-1.10	2.07	1.00
8621	11287				
itemQ3.7_8:rt_exp.Q	0.61	0.82	-0.98	2.21	1.00
8006	10262				
itemQ3.7_9:rt_exp.Q	0.83	0.93	-1.01	2.67	1.00
8285	11331				

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ3.7_1	0.290	0.011	0.007
b_itemQ3.7_2	0.275	0.025	0.003
b_itemQ3.7_3	0.258	-0.003	0.010
b_itemQ3.7_4	0.322	0.013	-0.028
b_itemQ3.7_5	0.310	0.023	0.003
b_itemQ3.7_6	0.300	0.022	-0.027
b_itemQ3.7_7	0.315	0.033	-0.019
b_itemQ3.7_8	0.291	0.028	0.009
b_itemQ3.7_9	0.324	0.054	-0.009
b_itemQ3.7_1:sexMale	0.037	0.002	-0.003
b_itemQ3.7_2:sexMale	-0.066	-0.001	0.044
b_itemQ3.7_3:sexMale	0.087	0.010	0.001
b_itemQ3.7_4:sexMale	-0.008	0.038	0.012
b_itemQ3.7_5:sexMale	0.027	0.010	0.017
b_itemQ3.7_6:sexMale	0.002	0.018	-0.011
b_itemQ3.7_7:sexMale	0.051	0.048	-0.008
b_itemQ3.7_8:sexMale	0.059	0.025	0.019
b_itemQ3.7_9:sexMale	0.029	0.010	-0.019
b_itemQ3.7_1:divisionRaw	0.294	0.006	0.013
b_itemQ3.7_2:divisionRaw	0.222	0.026	-0.002
b_itemQ3.7_3:divisionRaw	0.182	-0.020	0.001
b_itemQ3.7_4:divisionRaw	0.306	0.016	-0.028
b_itemQ3.7_5:divisionRaw	0.287	0.027	0.001
b_itemQ3.7_6:divisionRaw	0.278	0.022	-0.031
b_itemQ3.7_7:divisionRaw	0.288	0.032	-0.011
b_itemQ3.7_8:divisionRaw	0.268	0.014	0.008
b_itemQ3.7_9:divisionRaw	0.298	0.055	-0.017
b_itemQ3.7_1:age.L	0.102	0.009	-0.034
b_itemQ3.7_2:age.L	0.310	0.013	0.008
b_itemQ3.7_3:age.L	-0.001	0.008	-0.035
b_itemQ3.7_4:age.L	0.084	0.006	-0.004
b_itemQ3.7_5:age.L	0.072	0.012	-0.005
b_itemQ3.7_6:age.L	0.039	-0.002	0.006
b_itemQ3.7_7:age.L	0.087	0.028	-0.003
b_itemQ3.7_8:age.L	0.091	0.003	-0.028
b_itemQ3.7_9:age.L	0.078	-0.008	-0.004
b_itemQ3.7_1:age.Q	0.045	0.001	-0.005
b_itemQ3.7_2:age.Q	0.311	0.013	-0.005
b_itemQ3.7_3:age.Q	0.098	0.008	0.004
b_itemQ3.7_4:age.Q	0.064	0.013	0.010
b_itemQ3.7_5:age.Q	0.060	0.000	-0.003
b_itemQ3.7_6:age.Q	0.002	-0.017	-0.009
b_itemQ3.7_7:age.Q	0.051	0.013	0.006

itemQ4.1_7:weight_class.Q	-0.23	0.24	-0.69	0.23	1.00
11410	11302				
itemQ4.1_8:weight_class.Q	-0.00	0.28	-0.56	0.55	1.00
12793	11570				
itemQ4.1_9:weight_class.Q	-0.09	0.29	-0.66	0.48	1.00
12741	11546				
itemQ4.1_1:glp.L	0.04	0.06	-0.07	0.15	1.00
10032	11678				
itemQ4.1_10:glp.L	0.56	0.28	0.07	1.19	1.00
15645	10745				
itemQ4.1_11:glp.L	-0.03	0.08	-0.18	0.12	1.00
12325	12074				
itemQ4.1_12:glp.L	0.11	0.10	-0.09	0.32	1.00
13234	11315				
itemQ4.1_13:glp.L	-0.05	0.06	-0.17	0.07	1.00
11054	11354				
itemQ4.1_14:glp.L	0.14	0.07	0.01	0.27	1.00
11311	11618				
itemQ4.1_15:glp.L	0.02	0.07	-0.11	0.15	1.00
11388	11087				
itemQ4.1_17:glp.L	0.26	0.19	-0.09	0.66	1.00
17081	12379				
itemQ4.1_2:glp.L	-0.10	0.08	-0.25	0.04	1.00
13678	11544				
itemQ4.1_3:glp.L	-0.10	0.06	-0.22	0.02	1.00
11267	11487				
itemQ4.1_4:glp.L	-0.16	0.08	-0.31	-0.01	1.00
12286	11521				
itemQ4.1_5:glp.L	0.02	0.07	-0.11	0.15	1.00
11546	12585				
itemQ4.1_6:glp.L	-0.14	0.06	-0.26	-0.01	1.00
11613	10962				
itemQ4.1_7:glp.L	-0.06	0.06	-0.17	0.06	1.00
11290	11600				
itemQ4.1_8:glp.L	0.08	0.08	-0.07	0.23	1.00
12402	11575				
itemQ4.1_9:glp.L	0.08	0.07	-0.06	0.22	1.00
12755	11881				
itemQ4.1_1:glp.Q	-0.81	0.97	-2.69	1.08	1.00
13965	11470				
itemQ4.1_10:glp.Q	-2.80	3.32	-9.74	3.15	1.00
15275	11241				
itemQ4.1_11:glp.Q	1.46	1.35	-1.07	4.19	1.00
17699	11369				
itemQ4.1_12:glp.Q	0.25	1.62	-3.05	3.26	1.00
16945	11153				
itemQ4.1_13:glp.Q	-1.56	1.03	-3.61	0.48	1.00
14320	11988				
itemQ4.1_14:glp.Q	-1.51	1.18	-3.87	0.74	1.00
16242	12234				
itemQ4.1_15:glp.Q	-0.81	1.11	-2.93	1.40	1.00
15966	12042				
itemQ4.1_17:glp.Q	1.23	2.55	-4.12	5.94	1.00
20321	11816				
itemQ4.1_2:glp.Q	-2.01	1.33	-4.72	0.50	1.00
17906	11569				
itemQ4.1_3:glp.Q	-0.28	1.04	-2.37	1.71	1.00
14590	11597				
itemQ4.1_4:glp.Q	0.08	1.21	-2.37	2.37	1.00
16087	12005				
itemQ4.1_5:glp.Q	0.11	1.12	-2.05	2.33	1.00
15469	11017				
itemQ4.1_6:glp.Q	-2.04	1.11	-4.24	0.10	1.00
15361	12573				
itemQ4.1_7:glp.Q	-1.92	1.01	-3.95	0.01	1.00
13572	12218				

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itemQ4.5_2:rt_exp.Q	0.60	0.89	-1.15	2.36	1.00
10309	11639				
itemQ4.5_3:rt_exp.Q	-0.52	0.86	-2.19	1.17	1.00
9725	11759				
itemQ4.5_4:rt_exp.Q	0.61	0.76	-0.86	2.10	1.00
9340	11083				
itemQ4.5_5:rt_exp.Q	-0.23	0.80	-1.78	1.36	1.00
9032	11492				
itemQ4.5_6:rt_exp.Q	-0.11	0.81	-1.70	1.46	1.00
9060	10762				
itemQ4.5_7:rt_exp.Q	0.77	1.21	-1.63	3.11	1.00
12624	11421				
itemQ4.5_8:rt_exp.Q	-0.02	1.08	-2.14	2.06	1.00
10014	11466				
itemQ4.5_9:rt_exp.Q	0.22	1.54	-2.85	3.17	1.00
12010	10875				

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ4.5_1	-0.116	-0.001	0.004
b_itemQ4.5_2	-0.145	0.017	-0.017
b_itemQ4.5_3	-0.113	0.016	0.007
b_itemQ4.5_4	-0.132	-0.020	0.015
b_itemQ4.5_5	-0.138	-0.028	0.001
b_itemQ4.5_6	-0.085	0.014	-0.005
b_itemQ4.5_7	-0.203	-0.033	0.039
b_itemQ4.5_8	-0.117	-0.016	-0.027
b_itemQ4.5_9	-0.133	0.012	0.024
b_itemQ4.5_1:sexMale	-0.154	0.009	-0.001
b_itemQ4.5_2:sexMale	-0.184	0.017	0.017
b_itemQ4.5_3:sexMale	-0.230	0.007	0.021
b_itemQ4.5_4:sexMale	-0.183	-0.031	0.007
b_itemQ4.5_5:sexMale	-0.196	-0.034	-0.004
b_itemQ4.5_6:sexMale	-0.205	-0.005	-0.012
b_itemQ4.5_7:sexMale	-0.257	-0.013	0.014
b_itemQ4.5_8:sexMale	-0.251	0.020	-0.025
b_itemQ4.5_9:sexMale	-0.291	-0.006	-0.054
b_itemQ4.5_1:divisionRaw	-0.128	0.004	0.006
b_itemQ4.5_2:divisionRaw	-0.178	0.008	-0.029
b_itemQ4.5_3:divisionRaw	-0.132	0.008	0.004
b_itemQ4.5_4:divisionRaw	-0.172	-0.009	0.015
b_itemQ4.5_5:divisionRaw	-0.170	-0.030	-0.018
b_itemQ4.5_6:divisionRaw	-0.085	0.016	-0.018
b_itemQ4.5_7:divisionRaw	-0.208	-0.029	0.034
b_itemQ4.5_8:divisionRaw	-0.128	-0.011	-0.028
b_itemQ4.5_9:divisionRaw	-0.152	0.029	0.016
b_itemQ4.5_1:age.L	-0.143	0.009	-0.014
b_itemQ4.5_2:age.L	-0.166	-0.023	-0.004
b_itemQ4.5_3:age.L	-0.205	-0.030	-0.023
b_itemQ4.5_4:age.L	-0.154	0.009	-0.022
b_itemQ4.5_5:age.L	-0.164	-0.004	0.007
b_itemQ4.5_6:age.L	-0.163	0.018	-0.002
b_itemQ4.5_7:age.L	-0.221	-0.006	-0.007
b_itemQ4.5_8:age.L	-0.187	-0.006	-0.008
b_itemQ4.5_9:age.L	-0.241	0.023	-0.002
b_itemQ4.5_1:age.Q	-0.163	-0.010	0.020
b_itemQ4.5_2:age.Q	-0.177	-0.011	-0.003
b_itemQ4.5_3:age.Q	-0.224	0.000	0.025
b_itemQ4.5_4:age.Q	-0.196	0.036	0.012
b_itemQ4.5_5:age.Q	-0.092	0.016	0.004
b_itemQ4.5_6:age.Q	-0.157	0.033	0.008
b_itemQ4.5_7:age.Q	-0.262	-0.033	-0.013

itemQ4.6_2:rt_exp.Q	-0.05	0.76	-1.54	1.43	1.00
19395	12818				
itemQ4.6_3:rt_exp.Q	-1.18	0.97	-3.08	0.70	1.00
20196	12864				
itemQ4.6_4:rt_exp.Q	0.84	0.76	-0.64	2.31	1.00
18362	12223				
itemQ4.6_5:rt_exp.Q	0.85	0.74	-0.60	2.29	1.00
18408	12739				
itemQ4.6_6:rt_exp.Q	-0.98	0.83	-2.61	0.65	1.00
18908	11726				
itemQ4.6_7:rt_exp.Q	1.39	0.84	-0.28	3.02	1.00
18855	12994				
itemQ4.6_8:rt_exp.Q	1.37	0.76	-0.08	2.90	1.00
17599	12226				
itemQ4.6_9:rt_exp.Q	0.97	1.01	-1.02	2.92	1.00
19802	13090				

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ4.6_1	-0.169	-0.015	-0.007
b_itemQ4.6_2	-0.203	-0.008	-0.037
b_itemQ4.6_3	-0.171	-0.011	0.015
b_itemQ4.6_4	-0.228	-0.014	0.026
b_itemQ4.6_5	-0.229	-0.033	0.018
b_itemQ4.6_6	-0.182	-0.024	0.007
b_itemQ4.6_7	-0.178	0.000	-0.005
b_itemQ4.6_8	-0.211	0.011	-0.013
b_itemQ4.6_9	-0.150	-0.006	0.012
b_itemQ4.6_1:sexMale	-0.359	-0.032	-0.001
b_itemQ4.6_2:sexMale	-0.293	-0.027	-0.011
b_itemQ4.6_3:sexMale	-0.323	-0.002	0.024
b_itemQ4.6_4:sexMale	-0.287	0.012	0.008
b_itemQ4.6_5:sexMale	-0.286	-0.001	-0.007
b_itemQ4.6_6:sexMale	-0.311	-0.029	-0.007
b_itemQ4.6_7:sexMale	-0.334	0.000	0.003
b_itemQ4.6_8:sexMale	-0.302	-0.002	-0.011
b_itemQ4.6_9:sexMale	-0.341	-0.014	0.029
b_itemQ4.6_1:divisionRaw	-0.193	-0.008	-0.006
b_itemQ4.6_2:divisionRaw	-0.213	-0.021	-0.027
b_itemQ4.6_3:divisionRaw	-0.200	-0.013	0.026
b_itemQ4.6_4:divisionRaw	-0.227	-0.037	0.043
b_itemQ4.6_5:divisionRaw	-0.251	-0.038	0.014
b_itemQ4.6_6:divisionRaw	-0.191	-0.019	0.010
b_itemQ4.6_7:divisionRaw	-0.180	0.010	-0.010
b_itemQ4.6_8:divisionRaw	-0.220	0.018	-0.010
b_itemQ4.6_9:divisionRaw	-0.165	-0.008	0.006
b_itemQ4.6_1:age.L	-0.270	-0.004	-0.018
b_itemQ4.6_2:age.L	-0.273	-0.061	-0.011
b_itemQ4.6_3:age.L	-0.209	-0.020	0.012
b_itemQ4.6_4:age.L	-0.206	-0.003	0.004
b_itemQ4.6_5:age.L	-0.203	-0.049	-0.004
b_itemQ4.6_6:age.L	-0.249	-0.001	0.032
b_itemQ4.6_7:age.L	-0.226	-0.009	0.011
b_itemQ4.6_8:age.L	-0.257	-0.037	-0.001
b_itemQ4.6_9:age.L	-0.285	-0.016	0.002
b_itemQ4.6_1:age.Q	-0.337	-0.009	-0.016
b_itemQ4.6_2:age.Q	-0.310	-0.004	0.012
b_itemQ4.6_3:age.Q	-0.237	-0.019	0.010
b_itemQ4.6_4:age.Q	-0.288	-0.002	0.025
b_itemQ4.6_5:age.Q	-0.318	-0.030	-0.010
b_itemQ4.6_6:age.Q	-0.285	-0.024	0.020
b_itemQ4.6_7:age.Q	-0.320	-0.007	-0.001

itemQ4.7_2:rt_exp.Q	-3.19	2.73	-8.77	1.94	1.00
12675	11539				
itemQ4.7_3:rt_exp.Q	-3.58	3.34	-10.49	2.67	1.00
14419	12323				
itemQ4.7_4:rt_exp.Q	0.02	0.93	-1.81	1.83	1.00
10209	12091				
itemQ4.7_5:rt_exp.Q	0.07	0.95	-1.81	1.92	1.00
10673	11789				
itemQ4.7_6:rt_exp.Q	1.65	1.31	-0.91	4.20	1.00
11822	11703				
itemQ4.7_7:rt_exp.Q	0.37	0.82	-1.25	2.01	1.00
10937	10834				
itemQ4.7_8:rt_exp.Q	1.40	0.86	-0.27	3.12	1.00
10915	11527				
itemQ4.7_9:rt_exp.Q	2.22	0.96	0.34	4.12	1.00
9982	11209				

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ4.7_1	-0.174	-0.007	0.022
b_itemQ4.7_2	-0.177	-0.020	0.010
b_itemQ4.7_3	-0.147	-0.010	-0.010
b_itemQ4.7_4	-0.221	-0.036	-0.006
b_itemQ4.7_5	-0.262	-0.004	0.014
b_itemQ4.7_6	-0.148	-0.002	0.017
b_itemQ4.7_7	-0.208	-0.011	0.000
b_itemQ4.7_8	-0.128	-0.004	0.025
b_itemQ4.7_9	-0.198	0.025	0.014
b_itemQ4.7_1:sexMale	-0.347	-0.014	-0.026
b_itemQ4.7_2:sexMale	-0.350	-0.005	-0.023
b_itemQ4.7_3:sexMale	-0.316	0.037	-0.013
b_itemQ4.7_4:sexMale	-0.315	-0.048	0.029
b_itemQ4.7_5:sexMale	-0.314	0.002	0.012
b_itemQ4.7_6:sexMale	-0.336	-0.003	-0.005
b_itemQ4.7_7:sexMale	-0.281	-0.012	-0.004
b_itemQ4.7_8:sexMale	-0.293	-0.003	0.025
b_itemQ4.7_9:sexMale	-0.308	-0.031	-0.003
b_itemQ4.7_1:divisionRaw	-0.222	0.019	-0.023
b_itemQ4.7_2:divisionRaw	-0.230	0.002	0.003
b_itemQ4.7_3:divisionRaw	-0.241	-0.009	-0.010
b_itemQ4.7_4:divisionRaw	-0.245	-0.038	0.001
b_itemQ4.7_5:divisionRaw	-0.271	-0.020	0.025
b_itemQ4.7_6:divisionRaw	-0.156	-0.006	0.004
b_itemQ4.7_7:divisionRaw	-0.230	-0.019	-0.006
b_itemQ4.7_8:divisionRaw	-0.161	-0.001	0.017
b_itemQ4.7_9:divisionRaw	-0.210	0.030	0.017
b_itemQ4.7_1:age.L	-0.135	-0.028	-0.002
b_itemQ4.7_2:age.L	-0.065	0.030	0.008
b_itemQ4.7_3:age.L	-0.078	-0.017	-0.010
b_itemQ4.7_4:age.L	-0.257	-0.023	-0.011
b_itemQ4.7_5:age.L	-0.295	-0.017	0.005
b_itemQ4.7_6:age.L	-0.211	0.018	0.014
b_itemQ4.7_7:age.L	-0.275	0.000	0.027
b_itemQ4.7_8:age.L	-0.226	-0.035	-0.010
b_itemQ4.7_9:age.L	-0.275	-0.005	0.018
b_itemQ4.7_1:age.Q	-0.128	0.009	-0.013
b_itemQ4.7_2:age.Q	-0.096	0.025	-0.002
b_itemQ4.7_3:age.Q	-0.155	-0.016	-0.012
b_itemQ4.7_4:age.Q	-0.303	-0.032	0.000
b_itemQ4.7_5:age.Q	-0.291	0.014	0.029
b_itemQ4.7_6:age.Q	-0.257	-0.006	-0.004
b_itemQ4.7_7:age.Q	-0.307	0.002	-0.020

b_itemQ3.6_8:age.Q -0.196 0.011 0.018
b_itemQ3.6_9:age.Q -0.261 -0.031 -0.010
b_itemQ3.6_1:weight_class.L -0.237 0.010 0.026
b_itemQ3.6_2:weight_class.L -0.247 0.009 -0.011
b_itemQ3.6_3:weight_class.L -0.247 -0.009 -0.003
b_itemQ3.6_4:weight_class.L -0.200 0.000 0.004
b_itemQ3.6_5:weight_class.L -0.212 0.017 0.004
b_itemQ3.6_6:weight_class.L -0.262 -0.024 0.013
b_itemQ3.6_7:weight_class.L -0.216 -0.008 -0.016
b_itemQ3.6_8:weight_class.L -0.231 0.012 0.000
b_itemQ3.6_9:weight_class.L -0.256 0.006 -0.007
b_itemQ3.6_1:weight_class.Q -0.244 -0.005 -0.027
b_itemQ3.6_2:weight_class.Q -0.218 0.008 0.006
b_itemQ3.6_3:weight_class.Q -0.252 -0.020 0.008
b_itemQ3.6_4:weight_class.Q -0.212 0.016 -0.011
b_itemQ3.6_5:weight_class.Q -0.210 -0.028 -0.021
b_itemQ3.6_6:weight_class.Q -0.254 -0.001 -0.027
b_itemQ3.6_7:weight_class.Q -0.223 -0.018 -0.007
b_itemQ3.6_8:weight_class.Q -0.217 -0.004 0.005
b_itemQ3.6_9:weight_class.Q -0.238 -0.024 0.005
b_itemQ3.6_1:glp.L -0.226 -0.007 -0.033
b_itemQ3.6_2:glp.L -0.199 -0.032 -0.019
b_itemQ3.6_3:glp.L -0.252 -0.031 -0.002
b_itemQ3.6_4:glp.L -0.176 -0.029 -0.034
b_itemQ3.6_5:glp.L -0.172 -0.023 -0.011
b_itemQ3.6_6:glp.L -0.262 -0.015 0.011
b_itemQ3.6_7:glp.L -0.225 0.015 0.018
b_itemQ3.6_8:glp.L -0.209 -0.011 -0.004
b_itemQ3.6_9:glp.L -0.240 0.024 -0.015
b_itemQ3.6_1:glp.Q -0.268 0.007 -0.013
b_itemQ3.6_2:glp.Q -0.251 -0.024 0.019
b_itemQ3.6_3:glp.Q -0.283 -0.016 -0.002
b_itemQ3.6_4:glp.Q -0.247 0.006 -0.016
b_itemQ3.6_5:glp.Q -0.259 -0.039 -0.012
b_itemQ3.6_6:glp.Q -0.293 0.002 0.031
b_itemQ3.6_7:glp.Q -0.271 -0.010 0.012
b_itemQ3.6_8:glp.Q -0.244 -0.003 0.010
b_itemQ3.6_9:glp.Q -0.330 -0.014 0.001
b_itemQ3.6_1:pl_exp.L -0.255 -0.053 0.014
b_itemQ3.6_2:pl_exp.L -0.190 -0.019 -0.001
b_itemQ3.6_3:pl_exp.L -0.278 -0.048 0.006
b_itemQ3.6_4:pl_exp.L -0.204 0.000 -0.017
b_itemQ3.6_5:pl_exp.L -0.227 -0.012 -0.024
b_itemQ3.6_6:pl_exp.L -0.257 -0.030 -0.006
b_itemQ3.6_7:pl_exp.L -0.257 0.017 0.028
b_itemQ3.6_8:pl_exp.L -0.247 -0.009 0.013
b_itemQ3.6_9:pl_exp.L -0.278 0.023 -0.007
b_itemQ3.6_1:pl_exp.Q -0.218 -0.018 0.001
b_itemQ3.6_2:pl_exp.Q -0.193 0.001 -0.006
b_itemQ3.6_3:pl_exp.Q -0.239 0.006 -0.003
b_itemQ3.6_4:pl_exp.Q -0.147 0.007 -0.010
b_itemQ3.6_5:pl_exp.Q -0.222 -0.029 -0.014
b_itemQ3.6_6:pl_exp.Q -0.240 -0.023 -0.027
b_itemQ3.6_7:pl_exp.Q -0.230 -0.012 0.022
b_itemQ3.6_8:pl_exp.Q -0.202 -0.011 -0.024
b_itemQ3.6_9:pl_exp.Q -0.202 0.001 0.007
b_itemQ3.6_1:rt_exp.L -0.142 0.005 0.025
b_itemQ3.6_2:rt_exp.L -0.118 0.012 0.005
b_itemQ3.6_3:rt_exp.L -0.187 0.004 0.005
b_itemQ3.6_4:rt_exp.L -0.139 -0.003 -0.010
b_itemQ3.6_5:rt_exp.L -0.108 -0.012 -0.018
b_itemQ3.6_6:rt_exp.L -0.142 -0.005 -0.005
b_itemQ3.6_7:rt_exp.L -0.148 -0.010 0.030
b_itemQ3.6_8:rt_exp.L -0.136 -0.002 0.008
b_itemQ3.6_9:rt_exp.L -0.168 0.010 0.007
b_itemQ3.6_1:rt_exp.Q -0.157 -0.007 0.008
b_itemQ3.6_2:rt_exp.Q -0.124 -0.008 0.001
b_itemQ3.6_3:rt_exp.Q -0.198 0.018 0.004
b_itemQ3.6_4:rt_exp.Q -0.133 0.006 -0.013

b_itemQ3.7_8:age.Q 0.070 0.019 0.007
b_itemQ3.7_9:age.Q 0.035 0.008 0.001
b_itemQ3.7_1:weight_class.L -0.012 0.025 -0.001
b_itemQ3.7_2:weight_class.L -0.023 0.004 0.016
b_itemQ3.7_3:weight_class.L 0.056 -0.014 0.009
b_itemQ3.7_4:weight_class.L 0.002 0.050 0.014
b_itemQ3.7_5:weight_class.L 0.038 0.015 0.010
b_itemQ3.7_6:weight_class.L -0.010 0.036 0.004
b_itemQ3.7_7:weight_class.L 0.049 0.025 0.018
b_itemQ3.7_8:weight_class.L -0.009 0.009 0.010
b_itemQ3.7_9:weight_class.L -0.033 0.036 -0.008
b_itemQ3.7_1:weight_class.Q -0.067 -0.012 0.000
b_itemQ3.7_2:weight_class.Q 0.011 0.004 -0.021
b_itemQ3.7_3:weight_class.Q 0.089 -0.022 0.014
b_itemQ3.7_4:weight_class.Q -0.019 0.044 0.019
b_itemQ3.7_5:weight_class.Q -0.007 -0.011 -0.014
b_itemQ3.7_6:weight_class.Q -0.074 -0.006 -0.016
b_itemQ3.7_7:weight_class.Q -0.024 0.031 0.014
b_itemQ3.7_8:weight_class.Q 0.032 0.008 0.034
b_itemQ3.7_9:weight_class.Q -0.015 -0.008 0.009
b_itemQ3.7_1:glp.L 0.066 -0.012 -0.022
b_itemQ3.7_2:glp.L 0.037 -0.016 -0.018
b_itemQ3.7_3:glp.L 0.128 -0.006 0.005
b_itemQ3.7_4:glp.L 0.016 0.034 -0.005
b_itemQ3.7_5:glp.L 0.003 0.004 0.024
b_itemQ3.7_6:glp.L 0.053 -0.011 -0.026
b_itemQ3.7_7:glp.L 0.006 0.032 0.011
b_itemQ3.7_8:glp.L 0.052 0.016 -0.004
b_itemQ3.7_9:glp.L 0.082 0.005 0.000
b_itemQ3.7_1:glp.Q 0.023 -0.005 -0.019
b_itemQ3.7_2:glp.Q 0.024 0.014 0.005
b_itemQ3.7_3:glp.Q -0.021 -0.010 -0.004
b_itemQ3.7_4:glp.Q -0.035 -0.012 -0.029
b_itemQ3.7_5:glp.Q 0.043 0.001 0.007
b_itemQ3.7_6:glp.Q 0.061 -0.006 -0.011
b_itemQ3.7_7:glp.Q 0.010 -0.002 0.003
b_itemQ3.7_8:glp.Q 0.022 0.004 -0.024
b_itemQ3.7_9:glp.Q -0.009 0.010 -0.018
b_itemQ3.7_1:pl_exp.L -0.047 0.019 0.017
b_itemQ3.7_2:pl_exp.L -0.103 0.006 0.008
b_itemQ3.7_3:pl_exp.L 0.216 0.000 -0.006
b_itemQ3.7_4:pl_exp.L -0.012 -0.001 0.007
b_itemQ3.7_5:pl_exp.L -0.025 -0.016 0.007
b_itemQ3.7_6:pl_exp.L -0.056 0.004 0.026
b_itemQ3.7_7:pl_exp.L 0.018 0.009 0.009
b_itemQ3.7_8:pl_exp.L -0.031 0.013 -0.008
b_itemQ3.7_9:pl_exp.L -0.014 0.000 -0.026
b_itemQ3.7_1:pl_exp.Q 0.026 0.013 0.000
b_itemQ3.7_2:pl_exp.Q -0.025 -0.002 -0.002
b_itemQ3.7_3:pl_exp.Q 0.113 0.008 -0.018
b_itemQ3.7_4:pl_exp.Q 0.004 0.029 -0.003
b_itemQ3.7_5:pl_exp.Q 0.004 0.015 0.030
b_itemQ3.7_6:pl_exp.Q -0.038 0.009 -0.016
b_itemQ3.7_7:pl_exp.Q 0.036 0.021 0.029
b_itemQ3.7_8:pl_exp.Q -0.004 0.004 -0.009
b_itemQ3.7_9:pl_exp.Q -0.021 -0.015 0.020
b_itemQ3.7_1:rt_exp.L 0.214 0.002 0.015
b_itemQ3.7_2:rt_exp.L 0.270 0.022 -0.019
b_itemQ3.7_3:rt_exp.L 0.117 0.000 0.000
b_itemQ3.7_4:rt_exp.L 0.328 0.025 0.003
b_itemQ3.7_5:rt_exp.L 0.283 0.026 -0.019
b_itemQ3.7_6:rt_exp.L 0.270 0.028 -0.021
b_itemQ3.7_7:rt_exp.L 0.275 0.023 0.015
b_itemQ3.7_8:rt_exp.L 0.270 0.026 0.012
b_itemQ3.7_9:rt_exp.L 0.269 0.004 0.002
b_itemQ3.7_1:rt_exp.Q 0.227 -0.024 -0.001
b_itemQ3.7_2:rt_exp.Q 0.221 0.015 -0.035
b_itemQ3.7_3:rt_exp.Q 0.090 0.018 0.012
b_itemQ3.7_4:rt_exp.Q 0.345 0.038 0.007

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ4.1_1	0.256	0.024	-0.014
b_itemQ4.1_10	0.227	0.018	-0.029
b_itemQ4.1_11	0.288	0.028	0.016
b_itemQ4.1_12	0.224	0.008	-0.040
b_itemQ4.1_13	0.267	0.033	-0.003
b_itemQ4.1_14	0.243	0.037	-0.012
b_itemQ4.1_15	0.259	0.024	0.003
b_itemQ4.1_17	0.261	0.031	0.004
b_itemQ4.1_2	0.252	0.046	0.004
b_itemQ4.1_3	0.237	0.035	-0.014
b_itemQ4.1_4	0.326	0.041	0.006
b_itemQ4.1_5	0.258	0.032	-0.015
b_itemQ4.1_6	0.265	0.037	-0.010
b_itemQ4.1_7	0.226	0.048	-0.023
b_itemQ4.1_8	0.244	-0.001	-0.014
b_itemQ4.1_9	0.227	0.014	0.003
b_itemQ4.1_1:sexMale	0.092	0.055	0.025
b_itemQ4.1_10:sexMale	0.002	-0.029	0.012
b_itemQ4.1_11:sexMale	0.018	0.017	0.028
b_itemQ4.1_12:sexMale	0.000	0.048	0.016
b_itemQ4.1_13:sexMale	0.074	0.024	0.021
b_itemQ4.1_14:sexMale	0.057	0.042	0.013
b_itemQ4.1_15:sexMale	0.006	-0.002	-0.003
b_itemQ4.1_17:sexMale	0.080	0.039	0.036
b_itemQ4.1_2:sexMale	0.050	0.025	0.006
b_itemQ4.1_3:sexMale	0.045	0.042	0.012
b_itemQ4.1_4:sexMale	0.012	0.034	0.008
b_itemQ4.1_5:sexMale	0.055	0.008	-0.023
b_itemQ4.1_6:sexMale	0.043	0.028	0.036
b_itemQ4.1_7:sexMale	0.029	0.048	0.007
b_itemQ4.1_8:sexMale	0.010	0.017	0.001
b_itemQ4.1_9:sexMale	0.049	0.007	0.003
b_itemQ4.1_1:divisionRaw	0.258	0.028	-0.009
b_itemQ4.1_10:divisionRaw	0.190	-0.003	-0.008
b_itemQ4.1_11:divisionRaw	0.286	0.029	0.019
b_itemQ4.1_12:divisionRaw	0.217	0.018	-0.015
b_itemQ4.1_13:divisionRaw	0.225	0.022	0.000
b_itemQ4.1_14:divisionRaw	0.211	0.044	-0.014
b_itemQ4.1_15:divisionRaw	0.222	0.018	0.008
b_itemQ4.1_17:divisionRaw	0.205	0.052	-0.004
b_itemQ4.1_2:divisionRaw	0.218	0.041	-0.012
b_itemQ4.1_3:divisionRaw	0.212	0.034	-0.015
b_itemQ4.1_4:divisionRaw	0.312	0.043	0.008
b_itemQ4.1_5:divisionRaw	0.217	0.027	-0.028
b_itemQ4.1_6:divisionRaw	0.224	0.032	-0.004
b_itemQ4.1_7:divisionRaw	0.229	0.048	-0.012
b_itemQ4.1_8:divisionRaw	0.230	0.010	-0.020
b_itemQ4.1_9:divisionRaw	0.207	0.019	-0.004
b_itemQ4.1_1:age.L	0.137	0.038	-0.015
b_itemQ4.1_10:age.L	0.175	0.010	0.003
b_itemQ4.1_11:age.L	0.068	0.028	0.007
b_itemQ4.1_12:age.L	-0.006	0.014	-0.005
b_itemQ4.1_13:age.L	0.084	0.052	-0.010
b_itemQ4.1_14:age.L	0.094	0.053	0.013
b_itemQ4.1_15:age.L	0.065	0.024	0.017
b_itemQ4.1_17:age.L	0.175	0.026	-0.007
b_itemQ4.1_2:age.L	0.041	0.034	-0.016
b_itemQ4.1_3:age.L	0.071	0.032	0.007
b_itemQ4.1_4:age.L	0.054	0.029	-0.003
b_itemQ4.1_5:age.L	0.055	0.024	0.016

b_itemQ4.5_8:age.Q -0.245 0.005 -0.010
b_itemQ4.5_9:age.Q -0.300 -0.008 -0.021
b_itemQ4.5_1:weight_class.L -0.149 -0.025 0.023
b_itemQ4.5_2:weight_class.L -0.215 -0.020 0.015
b_itemQ4.5_3:weight_class.L -0.212 -0.001 -0.019
b_itemQ4.5_4:weight_class.L -0.176 -0.047 0.017
b_itemQ4.5_5:weight_class.L -0.171 0.002 0.006
b_itemQ4.5_6:weight_class.L -0.218 0.001 0.001
b_itemQ4.5_7:weight_class.L -0.249 0.008 0.000
b_itemQ4.5_8:weight_class.L -0.252 0.011 0.014
b_itemQ4.5_9:weight_class.L -0.273 0.007 0.030
b_itemQ4.5_1:weight_class.Q -0.156 -0.022 0.010
b_itemQ4.5_2:weight_class.Q -0.210 0.017 -0.010
b_itemQ4.5_3:weight_class.Q -0.171 -0.038 -0.017
b_itemQ4.5_4:weight_class.Q -0.134 -0.020 0.013
b_itemQ4.5_5:weight_class.Q -0.153 0.008 0.020
b_itemQ4.5_6:weight_class.Q -0.175 -0.012 0.004
b_itemQ4.5_7:weight_class.Q -0.291 -0.024 0.000
b_itemQ4.5_8:weight_class.Q -0.245 -0.013 0.039
b_itemQ4.5_9:weight_class.Q -0.232 0.005 0.009
b_itemQ4.5_1:glp.L -0.193 -0.026 0.021
b_itemQ4.5_2:glp.L -0.220 0.012 0.031
b_itemQ4.5_3:glp.L -0.237 -0.023 0.007
b_itemQ4.5_4:glp.L -0.170 -0.018 0.024
b_itemQ4.5_5:glp.L -0.184 -0.006 -0.034
b_itemQ4.5_6:glp.L -0.205 -0.010 -0.019
b_itemQ4.5_7:glp.L -0.233 -0.005 0.008
b_itemQ4.5_8:glp.L -0.191 -0.058 0.028
b_itemQ4.5_9:glp.L -0.229 0.014 -0.003
b_itemQ4.5_1:glp.Q -0.204 -0.010 0.029
b_itemQ4.5_2:glp.Q -0.243 -0.010 0.030
b_itemQ4.5_3:glp.Q -0.254 0.009 0.026
b_itemQ4.5_4:glp.Q -0.200 0.017 0.017
b_itemQ4.5_5:glp.Q -0.200 0.007 0.006
b_itemQ4.5_6:glp.Q -0.226 0.013 -0.014
b_itemQ4.5_7:glp.Q -0.291 -0.016 -0.017
b_itemQ4.5_8:glp.Q -0.251 -0.020 -0.003
b_itemQ4.5_9:glp.Q -0.223 -0.011 0.002
b_itemQ4.5_1:pl_exp.L -0.136 0.015 0.003
b_itemQ4.5_2:pl_exp.L -0.198 0.032 0.019
b_itemQ4.5_3:pl_exp.L -0.194 -0.027 -0.009
b_itemQ4.5_4:pl_exp.L -0.170 -0.012 -0.008
b_itemQ4.5_5:pl_exp.L -0.144 0.029 0.004
b_itemQ4.5_6:pl_exp.L -0.179 0.019 0.003
b_itemQ4.5_7:pl_exp.L -0.309 -0.068 0.039
b_itemQ4.5_8:pl_exp.L -0.244 0.003 0.005
b_itemQ4.5_9:pl_exp.L -0.266 0.007 -0.005
b_itemQ4.5_1:pl_exp.Q -0.164 -0.010 0.016
b_itemQ4.5_2:pl_exp.Q -0.187 -0.013 0.019
b_itemQ4.5_3:pl_exp.Q -0.201 -0.031 0.001
b_itemQ4.5_4:pl_exp.Q -0.173 0.020 -0.008
b_itemQ4.5_5:pl_exp.Q -0.164 -0.024 -0.010
b_itemQ4.5_6:pl_exp.Q -0.163 -0.005 -0.019
b_itemQ4.5_7:pl_exp.Q -0.278 -0.002 0.013
b_itemQ4.5_8:pl_exp.Q -0.260 -0.002 0.016
b_itemQ4.5_9:pl_exp.Q -0.266 0.005 0.016
b_itemQ4.5_1:rt_exp.L -0.110 -0.005 0.002
b_itemQ4.5_2:rt_exp.L -0.167 -0.021 -0.006
b_itemQ4.5_3:rt_exp.L -0.145 0.005 0.017
b_itemQ4.5_4:rt_exp.L -0.127 -0.009 0.018
b_itemQ4.5_5:rt_exp.L -0.142 -0.008 0.008
b_itemQ4.5_6:rt_exp.L -0.148 0.006 0.019
b_itemQ4.5_7:rt_exp.L -0.189 -0.035 -0.008
b_itemQ4.5_8:rt_exp.L -0.188 -0.004 0.016
b_itemQ4.5_9:rt_exp.L -0.211 -0.005 0.010
b_itemQ4.5_1:rt_exp.Q -0.134 0.000 0.012
b_itemQ4.5_2:rt_exp.Q -0.170 -0.019 -0.029
b_itemQ4.5_3:rt_exp.Q -0.116 -0.003 0.005
b_itemQ4.5_4:rt_exp.Q -0.121 -0.012 0.031

b_itemQ4.6_8:age.Q -0.307 0.005 -0.006
b_itemQ4.6_9:age.Q -0.297 0.011 -0.021
b_itemQ4.6_1:weight_class.L -0.311 -0.021 -0.008
b_itemQ4.6_2:weight_class.L -0.300 -0.002 0.001
b_itemQ4.6_3:weight_class.L -0.320 -0.021 -0.010
b_itemQ4.6_4:weight_class.L -0.327 -0.007 0.004
b_itemQ4.6_5:weight_class.L -0.279 0.001 0.005
b_itemQ4.6_6:weight_class.L -0.297 -0.018 -0.019
b_itemQ4.6_7:weight_class.L -0.300 0.017 -0.010
b_itemQ4.6_8:weight_class.L -0.297 0.016 -0.009
b_itemQ4.6_9:weight_class.L -0.308 0.019 0.005
b_itemQ4.6_1:weight_class.Q -0.291 -0.019 -0.028
b_itemQ4.6_2:weight_class.Q -0.302 -0.009 0.019
b_itemQ4.6_3:weight_class.Q -0.306 0.015 -0.029
b_itemQ4.6_4:weight_class.Q -0.278 -0.007 0.008
b_itemQ4.6_5:weight_class.Q -0.294 0.007 0.038
b_itemQ4.6_6:weight_class.Q -0.305 0.017 0.007
b_itemQ4.6_7:weight_class.Q -0.339 -0.002 0.023
b_itemQ4.6_8:weight_class.Q -0.281 -0.016 0.010
b_itemQ4.6_9:weight_class.Q -0.268 -0.002 0.021
b_itemQ4.6_1:glp.L -0.301 0.047 0.003
b_itemQ4.6_2:glp.L -0.290 -0.021 -0.025
b_itemQ4.6_3:glp.L -0.317 0.013 0.012
b_itemQ4.6_4:glp.L -0.281 -0.026 0.003
b_itemQ4.6_5:glp.L -0.260 -0.033 0.018
b_itemQ4.6_6:glp.L -0.262 -0.036 0.039
b_itemQ4.6_7:glp.L -0.321 -0.041 -0.010
b_itemQ4.6_8:glp.L -0.288 -0.004 0.001
b_itemQ4.6_9:glp.L -0.321 0.008 -0.015
b_itemQ4.6_1:glp.Q -0.309 -0.035 0.008
b_itemQ4.6_2:glp.Q -0.335 0.003 -0.009
b_itemQ4.6_3:glp.Q -0.296 0.027 -0.004
b_itemQ4.6_4:glp.Q -0.317 -0.014 -0.038
b_itemQ4.6_5:glp.Q -0.311 -0.007 0.019
b_itemQ4.6_6:glp.Q -0.300 0.016 -0.004
b_itemQ4.6_7:glp.Q -0.347 -0.025 -0.003
b_itemQ4.6_8:glp.Q -0.335 -0.031 -0.025
b_itemQ4.6_9:glp.Q -0.353 -0.010 -0.005
b_itemQ4.6_1:pl_exp.L -0.313 0.002 -0.010
b_itemQ4.6_2:pl_exp.L -0.284 -0.011 0.025
b_itemQ4.6_3:pl_exp.L -0.316 -0.002 -0.023
b_itemQ4.6_4:pl_exp.L -0.292 0.017 -0.017
b_itemQ4.6_5:pl_exp.L -0.266 0.011 -0.025
b_itemQ4.6_6:pl_exp.L -0.274 0.004 0.022
b_itemQ4.6_7:pl_exp.L -0.314 0.011 -0.027
b_itemQ4.6_8:pl_exp.L -0.252 0.022 -0.004
b_itemQ4.6_9:pl_exp.L -0.299 0.005 -0.015
b_itemQ4.6_1:pl_exp.Q -0.304 -0.006 0.010
b_itemQ4.6_2:pl_exp.Q -0.297 0.011 -0.006
b_itemQ4.6_3:pl_exp.Q -0.315 -0.013 0.020
b_itemQ4.6_4:pl_exp.Q -0.272 -0.012 0.005
b_itemQ4.6_5:pl_exp.Q -0.301 0.000 0.001
b_itemQ4.6_6:pl_exp.Q -0.282 -0.014 -0.003
b_itemQ4.6_7:pl_exp.Q -0.307 0.008 -0.025
b_itemQ4.6_8:pl_exp.Q -0.261 -0.015 -0.008
b_itemQ4.6_9:pl_exp.Q -0.279 0.024 -0.007
b_itemQ4.6_1:rt_exp.L -0.178 0.002 0.020
b_itemQ4.6_2:rt_exp.L -0.187 0.016 0.023
b_itemQ4.6_3:rt_exp.L -0.213 0.008 0.005
b_itemQ4.6_4:rt_exp.L -0.153 -0.025 -0.024
b_itemQ4.6_5:rt_exp.L -0.171 0.020 -0.004
b_itemQ4.6_6:rt_exp.L -0.190 -0.002 0.017
b_itemQ4.6_7:rt_exp.L -0.212 0.025 0.018
b_itemQ4.6_8:rt_exp.L -0.203 -0.003 0.002
b_itemQ4.6_9:rt_exp.L -0.188 0.005 -0.014
b_itemQ4.6_1:rt_exp.Q -0.174 0.031 0.006
b_itemQ4.6_2:rt_exp.Q -0.189 0.021 0.022
b_itemQ4.6_3:rt_exp.Q -0.215 0.010 -0.023
b_itemQ4.6_4:rt_exp.Q -0.138 -0.035 -0.010

b_itemQ4.7_8:age.Q -0.288 0.028 -0.007
b_itemQ4.7_9:age.Q -0.333 0.027 -0.049
b_itemQ4.7_1:weight_class.L -0.262 -0.021 0.020
b_itemQ4.7_2:weight_class.L -0.348 0.023 0.021
b_itemQ4.7_3:weight_class.L -0.363 -0.015 -0.007
b_itemQ4.7_4:weight_class.L -0.302 -0.021 0.021
b_itemQ4.7_5:weight_class.L -0.315 -0.011 -0.010
b_itemQ4.7_6:weight_class.L -0.349 0.005 -0.006
b_itemQ4.7_7:weight_class.L -0.296 -0.033 -0.014
b_itemQ4.7_8:weight_class.L -0.309 -0.011 0.003
b_itemQ4.7_9:weight_class.L -0.299 -0.012 -0.017
b_itemQ4.7_1:weight_class.Q -0.337 -0.020 -0.012
b_itemQ4.7_2:weight_class.Q -0.316 0.031 0.004
b_itemQ4.7_3:weight_class.Q -0.327 -0.002 0.004
b_itemQ4.7_4:weight_class.Q -0.296 -0.025 -0.003
b_itemQ4.7_5:weight_class.Q -0.316 -0.017 0.002
b_itemQ4.7_6:weight_class.Q -0.375 -0.026 -0.025
b_itemQ4.7_7:weight_class.Q -0.315 -0.025 0.021
b_itemQ4.7_8:weight_class.Q -0.324 0.010 -0.012
b_itemQ4.7_9:weight_class.Q -0.322 0.001 -0.015
b_itemQ4.7_1:glp.L -0.309 -0.012 -0.022
b_itemQ4.7_2:glp.L -0.331 0.008 -0.015
b_itemQ4.7_3:glp.L -0.166 0.016 -0.028
b_itemQ4.7_4:glp.L -0.297 -0.008 0.002
b_itemQ4.7_5:glp.L -0.282 0.006 -0.019
b_itemQ4.7_6:glp.L -0.319 0.001 0.020
b_itemQ4.7_7:glp.L -0.291 -0.042 0.007
b_itemQ4.7_8:glp.L -0.281 -0.035 -0.016
b_itemQ4.7_9:glp.L -0.337 -0.020 -0.014
b_itemQ4.7_1:glp.Q -0.361 -0.014 -0.020
b_itemQ4.7_2:glp.Q -0.346 0.017 -0.034
b_itemQ4.7_3:glp.Q -0.268 -0.014 -0.018
b_itemQ4.7_4:glp.Q -0.325 -0.028 0.002
b_itemQ4.7_5:glp.Q -0.307 -0.012 0.009
b_itemQ4.7_6:glp.Q -0.269 -0.024 0.022
b_itemQ4.7_7:glp.Q -0.336 -0.021 -0.013
b_itemQ4.7_8:glp.Q -0.318 0.016 0.014
b_itemQ4.7_9:glp.Q -0.330 -0.033 -0.027
b_itemQ4.7_1:pl_exp.L -0.293 -0.007 -0.033
b_itemQ4.7_2:pl_exp.L -0.325 0.015 -0.024
b_itemQ4.7_3:pl_exp.L -0.360 0.004 -0.022
b_itemQ4.7_4:pl_exp.L -0.312 -0.014 -0.010
b_itemQ4.7_5:pl_exp.L -0.306 -0.013 -0.055
b_itemQ4.7_6:pl_exp.L -0.340 0.000 -0.014
b_itemQ4.7_7:pl_exp.L -0.312 -0.001 0.009
b_itemQ4.7_8:pl_exp.L -0.300 -0.008 -0.018
b_itemQ4.7_9:pl_exp.L -0.324 -0.037 -0.001
b_itemQ4.7_1:pl_exp.Q -0.350 -0.014 0.024
b_itemQ4.7_2:pl_exp.Q -0.354 -0.007 0.012
b_itemQ4.7_3:pl_exp.Q -0.300 -0.001 -0.013
b_itemQ4.7_4:pl_exp.Q -0.304 0.002 0.007
b_itemQ4.7_5:pl_exp.Q -0.277 -0.022 -0.024
b_itemQ4.7_6:pl_exp.Q -0.323 0.022 -0.006
b_itemQ4.7_7:pl_exp.Q -0.261 -0.012 -0.009
b_itemQ4.7_8:pl_exp.Q -0.274 0.008 -0.029
b_itemQ4.7_9:pl_exp.Q -0.300 0.000 0.021
b_itemQ4.7_1:rt_exp.L -0.249 -0.004 0.009
b_itemQ4.7_2:rt_exp.L -0.209 -0.003 -0.037
b_itemQ4.7_3:rt_exp.L -0.227 -0.032 0.003
b_itemQ4.7_4:rt_exp.L -0.157 -0.015 0.002
b_itemQ4.7_5:rt_exp.L -0.173 0.014 0.000
b_itemQ4.7_6:rt_exp.L -0.234 0.005 -0.015
b_itemQ4.7_7:rt_exp.L -0.152 -0.024 0.017
b_itemQ4.7_8:rt_exp.L -0.160 -0.022 -0.004
b_itemQ4.7_9:rt_exp.L -0.198 -0.017 0.018
b_itemQ4.7_1:rt_exp.Q -0.227 -0.004 -0.025
b_itemQ4.7_2:rt_exp.Q -0.229 0.003 -0.030
b_itemQ4.7_3:rt_exp.Q -0.228 -0.013 0.032
b_itemQ4.7_4:rt_exp.Q -0.122 -0.011 -0.001

b_itemQ3.6_5:rt_exp.Q -0.123 -0.006 -0.013 b_itemQ3.6_6:rt_exp.Q -0.142 -0.008 -0.016 b_itemQ3.6_7:rt_exp.Q -0.103 -0.002 -0.005 b_itemQ3.6_8:rt_exp.Q -0.118 -0.024 -0.002 b_itemQ3.6_9:rt_exp.Q -0.148 0.020 -0.012 b_Intercept NA NA NA b_sexMale NA NA NA b_divisionRaw NA NA NA b_age.L NA NA NA b_weight_class.L NA NA NA b_glp.L NA NA NA b_pl_exp.L NA NA NA b_rt_exp.L NA NA NA r_ResponseId__Intercept NA NA NA	b_itemQ3.7_5:rt_exp.Q 0.312 0.006 -0.020 b_itemQ3.7_6:rt_exp.Q 0.286 0.037 0.000 b_itemQ3.7_7:rt_exp.Q 0.309 0.027 0.016 b_itemQ3.7_8:rt_exp.Q 0.303 0.019 0.016 b_itemQ3.7_9:rt_exp.Q 0.304 -0.001 0.021 b_Intercept NA NA NA b_sexMale NA NA NA b_divisionRaw NA NA NA b_age.L NA NA NA b_weight_class.L NA NA NA b_glp.L NA NA NA b_pl_exp.L NA NA NA b_rt_exp.L NA NA NA r_ResponseId__Intercept NA NA NA	b_itemQ4.1_6:age.L 0.063 0.022 0.030 b_itemQ4.1_7:age.L 0.114 0.039 0.030 b_itemQ4.1_8:age.L 0.043 0.009 -0.031 b_itemQ4.1_9:age.L 0.065 0.016 -0.021 b_itemQ4.1_1:age.Q 0.040 0.029 0.010 b_itemQ4.1_10:age.Q 0.180 0.015 -0.020 b_itemQ4.1_11:age.Q 0.051 0.018 0.001 b_itemQ4.1_12:age.Q -0.022 -0.037 0.015 b_itemQ4.1_13:age.Q 0.069 0.046 -0.002 b_itemQ4.1_14:age.Q 0.059 0.059 0.005 b_itemQ4.1_15:age.Q 0.030 0.024 0.021 b_itemQ4.1_17:age.Q 0.211 0.018 -0.019 b_itemQ4.1_2:age.Q 0.015 0.037 0.043 b_itemQ4.1_3:age.Q 0.068 0.020 0.002 b_itemQ4.1_4:age.Q 0.038 0.044 -0.003 b_itemQ4.1_5:age.Q 0.025 0.006 -0.021 b_itemQ4.1_6:age.Q 0.064 0.051 0.021 b_itemQ4.1_7:age.Q 0.039 0.015 -0.008 b_itemQ4.1_8:age.Q 0.024 0.005 -0.037 b_itemQ4.1_9:age.Q 0.044 0.009 0.033 b_itemQ4.1_1:weight_class.L 0.064 0.037 -0.064 b_itemQ4.1_10:weight_class.L 0.015 0.016 0.013 b_itemQ4.1_11:weight_class.L 0.027 0.015 0.010 b_itemQ4.1_12:weight_class.L 0.015 0.032 0.015 b_itemQ4.1_13:weight_class.L 0.043 0.039 0.003 b_itemQ4.1_14:weight_class.L 0.066 0.056 0.023 b_itemQ4.1_15:weight_class.L 0.062 0.033 0.034 b_itemQ4.1_17:weight_class.L -0.008 0.004 -0.018 b_itemQ4.1_2:weight_class.L -0.024 0.018 0.022 b_itemQ4.1_3:weight_class.L 0.036 0.032 0.012 b_itemQ4.1_4:weight_class.L -0.017 0.031 0.027 b_itemQ4.1_5:weight_class.L 0.006 0.042 0.009 b_itemQ4.1_6:weight_class.L 0.056 0.018 0.030 b_itemQ4.1_7:weight_class.L 0.050 0.071 0.001 b_itemQ4.1_8:weight_class.L 0.006 0.042 0.032 b_itemQ4.1_9:weight_class.L 0.049 0.027 0.020 b_itemQ4.1_1:weight_class.Q 0.015 -0.004 -0.020 b_itemQ4.1_10:weight_class.Q 0.013 -0.004 0.017 b_itemQ4.1_11:weight_class.Q 0.011 0.032 -0.006 b_itemQ4.1_12:weight_class.Q -0.016 0.033 -0.003 b_itemQ4.1_13:weight_class.Q 0.033 0.037 0.000 b_itemQ4.1_14:weight_class.Q 0.028 0.028 0.003 b_itemQ4.1_15:weight_class.Q 0.029 0.011 -0.007 b_itemQ4.1_17:weight_class.Q 0.015 -0.008 0.007 b_itemQ4.1_2:weight_class.Q 0.021 0.023 -0.050 b_itemQ4.1_3:weight_class.Q 0.015 0.021 0.007 b_itemQ4.1_4:weight_class.Q 0.006 0.013 0.006 b_itemQ4.1_5:weight_class.Q -0.008 0.022 0.001 b_itemQ4.1_6:weight_class.Q 0.052 0.010 -0.003 b_itemQ4.1_7:weight_class.Q 0.049 0.019 -0.018 b_itemQ4.1_8:weight_class.Q 0.024 0.024 0.000 b_itemQ4.1_9:weight_class.Q 0.036 -0.001 0.008 b_itemQ4.1_1:glp.L 0.078 0.031 -0.020 b_itemQ4.1_10:glp.L 0.064 0.007 0.037 b_itemQ4.1_11:glp.L 0.023 0.009 0.016 b_itemQ4.1_12:glp.L 0.068 0.034 -0.019 b_itemQ4.1_13:glp.L 0.027 0.013 0.017 b_itemQ4.1_14:glp.L 0.062 0.034 -0.002 b_itemQ4.1_15:glp.L 0.038 0.046 -0.027 b_itemQ4.1_17:glp.L 0.047 0.001 -0.019 b_itemQ4.1_2:glp.L 0.021 0.019 0.015 b_itemQ4.1_3:glp.L 0.063 0.054 -0.005 b_itemQ4.1_4:glp.L 0.035 0.003 0.005 b_itemQ4.1_5:glp.L 0.042 0.032 -0.014 b_itemQ4.1_6:glp.L 0.028 0.054 -0.006 b_itemQ4.1_7:glp.L 0.040 0.015 0.014 b_itemQ4.1_8:glp.L 0.062 0.031 0.049 b_itemQ4.1_9:glp.L 0.050 0.021 0.025 b_itemQ4.1_1:glp.Q 0.019 0.008 0.012	b_itemQ4.5_5:rt_exp.Q -0.147 -0.008 -0.003 b_itemQ4.5_6:rt_exp.Q -0.122 0.020 0.010 b_itemQ4.5_7:rt_exp.Q -0.226 -0.044 -0.013 b_itemQ4.5_8:rt_exp.Q -0.145 0.001 0.008 b_itemQ4.5_9:rt_exp.Q -0.211 0.000 0.008 b_Intercept NA NA NA b_sexMale NA NA NA b_divisionRaw NA NA NA b_age.L NA NA NA b_weight_class.L NA NA NA b_glp.L NA NA NA b_pl_exp.L NA NA NA b_rt_exp.L NA NA NA r_ResponseId__Intercept NA NA NA	b_itemQ4.6_5:rt_exp.Q -0.166 -0.009 0.029 b_itemQ4.6_6:rt_exp.Q -0.184 -0.008 0.034 b_itemQ4.6_7:rt_exp.Q -0.207 0.000 0.019 b_itemQ4.6_8:rt_exp.Q -0.191 -0.001 0.015 b_itemQ4.6_9:rt_exp.Q -0.176 0.001 -0.013 b_Intercept NA NA NA b_sexMale NA NA NA b_divisionRaw NA NA NA b_age.L NA NA NA b_weight_class.L NA NA NA b_glp.L NA NA NA b_pl_exp.L NA NA NA b_rt_exp.L NA NA NA r_ResponseId__Intercept NA NA NA	b_itemQ4.7_5:rt_exp.Q -0.170 -0.010 0.004 b_itemQ4.7_6:rt_exp.Q -0.234 0.001 -0.015 b_itemQ4.7_7:rt_exp.Q -0.200 -0.045 0.006 b_itemQ4.7_8:rt_exp.Q -0.149 -0.004 0.016 b_itemQ4.7_9:rt_exp.Q -0.181 -0.005 0.016 b_Intercept NA NA NA b_sexMale NA NA NA b_divisionRaw NA NA NA b_age.L NA NA NA b_weight_class.L NA NA NA b_glp.L NA NA NA b_pl_exp.L NA NA NA b_rt_exp.L NA NA NA r_ResponseId__Intercept NA NA NA

		b_itemQ4.1_10:glp.Q 0.036 0.034 0.010 b_itemQ4.1_11:glp.Q -0.011 0.000 0.025 b_itemQ4.1_12:glp.Q 0.027 0.039 0.007 b_itemQ4.1_13:glp.Q -0.018 0.022 0.021 b_itemQ4.1_14:glp.Q -0.025 0.008 0.006 b_itemQ4.1_15:glp.Q 0.031 0.000 -0.001 b_itemQ4.1_17:glp.Q -0.001 0.009 0.001 b_itemQ4.1_2:glp.Q -0.040 0.005 0.025 b_itemQ4.1_3:glp.Q 0.008 0.017 0.006 b_itemQ4.1_4:glp.Q 0.016 -0.011 0.015 b_itemQ4.1_5:glp.Q 0.016 0.028 -0.003 b_itemQ4.1_6:glp.Q -0.023 0.011 0.012 b_itemQ4.1_7:glp.Q -0.006 0.019 -0.022 b_itemQ4.1_8:glp.Q -0.006 0.009 -0.001 b_itemQ4.1_9:glp.Q -0.041 0.020 0.006 b_itemQ4.1_1:pl_exp.L 0.078 0.035 -0.027 b_itemQ4.1_10:pl_exp.L -0.018 -0.001 -0.029 b_itemQ4.1_11:pl_exp.L 0.012 0.025 0.018 b_itemQ4.1_12:pl_exp.L -0.002 0.004 0.020 b_itemQ4.1_13:pl_exp.L 0.033 0.033 -0.012 b_itemQ4.1_14:pl_exp.L 0.003 0.047 -0.007 b_itemQ4.1_15:pl_exp.L 0.026 0.012 -0.017 b_itemQ4.1_17:pl_exp.L -0.005 0.007 -0.025 b_itemQ4.1_2:pl_exp.L -0.002 0.013 0.010 b_itemQ4.1_3:pl_exp.L 0.010 0.053 -0.021 b_itemQ4.1_4:pl_exp.L 0.009 0.019 -0.025 b_itemQ4.1_5:pl_exp.L -0.006 0.037 -0.012 b_itemQ4.1_6:pl_exp.L 0.041 0.040 -0.011 b_itemQ4.1_7:pl_exp.L 0.096 0.033 -0.029 b_itemQ4.1_8:pl_exp.L 0.006 0.009 0.004 b_itemQ4.1_9:pl_exp.L 0.067 0.006 0.008 b_itemQ4.1_1:pl_exp.Q 0.063 0.038 -0.004 b_itemQ4.1_10:pl_exp.Q -0.014 -0.011 0.003 b_itemQ4.1_11:pl_exp.Q -0.002 0.036 -0.006 b_itemQ4.1_12:pl_exp.Q -0.011 0.037 0.004 b_itemQ4.1_13:pl_exp.Q 0.031 0.018 0.007 b_itemQ4.1_14:pl_exp.Q 0.041 0.021 0.008 b_itemQ4.1_15:pl_exp.Q 0.003 0.027 0.010 b_itemQ4.1_17:pl_exp.Q -0.031 0.011 -0.031 b_itemQ4.1_2:pl_exp.Q -0.026 0.013 0.014 b_itemQ4.1_3:pl_exp.Q 0.009 0.049 -0.002 b_itemQ4.1_4:pl_exp.Q 0.018 0.005 0.004 b_itemQ4.1_5:pl_exp.Q 0.024 0.008 -0.008 b_itemQ4.1_6:pl_exp.Q 0.028 0.024 -0.006 b_itemQ4.1_7:pl_exp.Q 0.044 0.054 -0.008 b_itemQ4.1_8:pl_exp.Q 0.006 0.034 -0.009 b_itemQ4.1_9:pl_exp.Q 0.036 0.022 0.040 b_itemQ4.1_1:rt_exp.L 0.224 0.049 0.004 b_itemQ4.1_10:rt_exp.L 0.115 0.016 -0.007 b_itemQ4.1_11:rt_exp.L 0.201 0.024 -0.006 b_itemQ4.1_12:rt_exp.L 0.170 0.006 0.013 b_itemQ4.1_13:rt_exp.L 0.178 0.052 0.024 b_itemQ4.1_14:rt_exp.L 0.221 0.042 -0.008 b_itemQ4.1_15:rt_exp.L 0.182 0.048 0.012 b_itemQ4.1_17:rt_exp.L 0.203 0.041 -0.001 b_itemQ4.1_2:rt_exp.L 0.232 0.046 0.007 b_itemQ4.1_3:rt_exp.L 0.198 0.022 0.015 b_itemQ4.1_4:rt_exp.L 0.184 0.039 -0.009 b_itemQ4.1_5:rt_exp.L 0.236 0.060 0.039 b_itemQ4.1_6:rt_exp.L 0.222 0.054 0.012 b_itemQ4.1_7:rt_exp.L 0.200 0.050 -0.005 b_itemQ4.1_8:rt_exp.L 0.182 0.019 0.004 b_itemQ4.1_9:rt_exp.L 0.200 0.021 -0.001 b_itemQ4.1_1:rt_exp.Q 0.225 0.066 0.002 b_itemQ4.1_10:rt_exp.Q 0.110 0.007 -0.016 b_itemQ4.1_11:rt_exp.Q 0.237 0.024 -0.014 b_itemQ4.1_12:rt_exp.Q 0.186 0.030 0.006 b_itemQ4.1_13:rt_exp.Q 0.175 0.057 0.018 b_itemQ4.1_14:rt_exp.Q 0.206 0.062 -0.009			

		b_itemQ4.1_15:rt_exp.Q 0.172 0.054 0.009 b_itemQ4.1_17:rt_exp.Q 0.160 0.041 0.003 b_itemQ4.1_2:rt_exp.Q 0.249 0.054 0.000 b_itemQ4.1_3:rt_exp.Q 0.206 0.048 0.018 b_itemQ4.1_4:rt_exp.Q 0.194 0.035 -0.004 b_itemQ4.1_5:rt_exp.Q 0.227 0.042 0.018 b_itemQ4.1_6:rt_exp.Q 0.221 0.052 -0.010 b_itemQ4.1_7:rt_exp.Q 0.201 0.047 -0.005 b_itemQ4.1_8:rt_exp.Q 0.187 0.020 -0.002 b_itemQ4.1_9:rt_exp.Q 0.203 0.008 0.001 b_Intercept NA NA NA b_sexMale NA NA NA b_divisionRaw NA NA NA b_age.L NA NA NA b_weight_class.L NA NA NA b_glp.L NA NA NA b_pl_exp.L NA NA NA b_rt_exp.L NA NA NA r_ResponseId__Intercept NA NA NA			

Q5.1

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q5_1_data (Number of observations: 3152)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 394)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	0.10	0.07	0.00	0.28	1.00	6181	6849

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ5.1_1	-0.68	0.68	-2.09	0.61	1.00	13295	10243
itemQ5.1_15	1.61	0.85	0.08	3.42	1.00	15406	10434
itemQ5.1_16	-6.37	2.12	-11.18	-2.97	1.00	11246	8056
itemQ5.1_19	-3.55	1.29	-6.40	-1.32	1.00	13130	9055
itemQ5.1_2	-2.35	0.89	-4.26	-0.77	1.00	14306	9575
itemQ5.1_20	1.22	0.73	-0.12	2.78	1.00	14518	10110
itemQ5.1_25	-8.12	2.63	-13.73	-3.42	1.00	12553	10707
itemQ5.1_27	-3.10	1.18	-5.69	-1.08	1.00	12325	8044
itemQ5.1_1:sexMale	-0.16	0.28	-0.70	0.38	1.00	25095	11632
itemQ5.1_15:sexMale	-0.37	0.30	-0.97	0.21	1.00	23277	11307
itemQ5.1_16:sexMale	0.58	0.71	-0.74	2.05	1.00	22938	11520
itemQ5.1_19:sexMale	0.64	0.62	-0.48	1.95	1.00	21194	9224
itemQ5.1_2:sexMale	0.63	0.36	-0.05	1.36	1.00	23048	11526
itemQ5.1_20:sexMale	0.09	0.25	-0.41	0.58	1.00	23212	12555

Q5.2

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q5_2_data (Number of observations: 3152)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 394)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	0.08	0.06	0.00	0.21	1.00	6572	6421

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ5.2_1	-5.08	2.15	-9.98	-1.69	1.00	10648	8010
itemQ5.2_15	-0.48	0.66	-1.81	0.80	1.00	11447	10630
itemQ5.2_16	-2.97	1.17	-5.59	-1.02	1.00	10342	7053
itemQ5.2_19	-1.61	0.78	-3.23	-0.18	1.00	12294	9188
itemQ5.2_2	-0.30	0.67	-1.60	1.02	1.00	11855	9560
itemQ5.2_20	-3.12	0.95	-5.12	-1.39	1.00	11392	9736
itemQ5.2_25	-3.17	1.32	-6.04	-0.92	1.00	12445	9738
itemQ5.2_27	-1.64	0.86	-3.51	-0.13	1.00	12054	9407
itemQ5.2_1:sexMale	-0.57	0.51	-1.55	0.44	1.00	22646	12200
itemQ5.2_15:sexMale	0.25	0.28	-0.29	0.81	1.00	20464	11238
itemQ5.2_16:sexMale	0.06	0.32	-0.58	0.70	1.00	22795	11096
itemQ5.2_19:sexMale	0.40	0.30	-0.17	1.00	1.00	22082	12263
itemQ5.2_2:sexMale	0.51	0.25	0.02	1.02	1.00	22411	11572
itemQ5.2_20:sexMale	0.36	0.35	-0.30	1.06	1.00	21141	12008

Q5.3

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q5_3_data (Number of observations: 3016)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 377)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	0.07	0.06	0.00	0.21	1.00	7736	7888

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ5.3_1	-5.73	2.16	-10.64	-2.20	1.00	9943	8251
itemQ5.3_15	-1.29	0.96	-3.33	0.42	1.00	10947	8540
itemQ5.3_16	-1.74	0.79	-3.37	-0.30	1.00	11002	9827
itemQ5.3_19	-1.38	0.84	-3.13	0.20	1.00	11599	10892
itemQ5.3_2	-0.41	0.66	-1.75	0.91	1.00	10944	10715
itemQ5.3_20	-1.61	0.77	-3.22	-0.19	1.00	11042	9039
itemQ5.3_25	-5.15	2.29	-10.31	-1.43	1.00	10073	8778
itemQ5.3_27	-0.98	0.75	-2.53	0.39	1.00	10786	9041
itemQ5.3_1:sexMale	0.03	0.66	-1.21	1.40	1.00	21226	11810
itemQ5.3_15:sexMale	0.19	0.50	-0.75	1.18	1.00	20960	11897
itemQ5.3_16:sexMale	0.67	0.36	-0.03	1.39	1.00	19613	11765
itemQ5.3_19:sexMale	-0.07	0.44	-0.93	0.82	1.00	21997	12363
itemQ5.3_2:sexMale	0.28	0.25	-0.21	0.78	1.00	21786	12857
itemQ5.3_20:sexMale	0.49	0.32	-0.13	1.14	1.00	21535	12298

Q5.4

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q5_4_data (Number of observations: 1158)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 386)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	0.06	0.04	0.00	0.16	1.00	13487	7724

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ5.4_1	0.36	0.68	-0.94	1.75	1.00	17011	11822
itemQ5.4_2	-1.05	0.73	-2.58	0.29	1.00	17893	11438
itemQ5.4_3	-2.26	1.26	-5.02	-0.10	1.00	17191	9746
itemQ5.4_1:sexMale	0.36	0.25	-0.13	0.85	1.00	29700	11623
itemQ5.4_2:sexMale	-0.03	0.25	-0.51	0.45	1.00	33808	12152
itemQ5.4_3:sexMale	-1.38	0.51	-2.40	-0.38	1.00	30869	10805
itemQ5.4_1:divisionRaw	-0.92	0.67	-2.29	0.35	1.00	17837	11772
itemQ5.4_2:divisionRaw	1.04	0.72	-0.28	2.54	1.00	18641	11127
itemQ5.4_3:divisionRaw	0.14	1.23	-1.96	2.87	1.00	18074	8848
itemQ5.4_1:age.L	-0.20	0.28	-0.74	0.34	1.00	29634	12818
itemQ5.4_2:age.L	0.19	0.27	-0.34	0.73	1.00	29186	11959
itemQ5.4_3:age.L	-0.02	0.52	-1.06	0.99	1.00	28242	11718
itemQ5.4_1:age.Q	-0.09	0.19	-0.45	0.28	1.00	34624	11948
itemQ5.4_2:age.Q	-0.05	0.19	-0.42	0.31	1.00	31920	11746

Q5.5

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q5_5_data (Number of observations: 2448)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 153)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	1.01	0.12	0.79	1.26	1.00	7373	10524

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ5.5_1	-1.99	1.47	-5.08	0.67	1.00	11039	9665
itemQ5.5_10	-2.18	1.95	-6.09	1.50	1.00	10668	11327
itemQ5.5_11	-8.73	3.30	-15.58	-2.59	1.00	12361	10657
itemQ5.5_12	-8.71	2.82	-14.74	-3.71	1.00	12765	10396
itemQ5.5_13	-1.91	1.39	-4.79	0.72	1.00	10587	10329
itemQ5.5_14	-1.66	1.47	-4.76	0.99	1.00	10624	9885
itemQ5.5_15	-0.97	1.43	-4.02	1.59	1.00	10912	8353
itemQ5.5_16	0.39	1.26	-2.15	2.79	1.00	10364	9760
itemQ5.5_2	-6.33	2.83	-12.26	-1.17	1.00	12046	10708
itemQ5.5_3	-8.22	2.71	-13.91	-3.38	1.00	10672	10313
itemQ5.5_4	-2.27	1.52	-5.47	0.51	1.00	11306	9797
itemQ5.5_5	-7.94	3.02	-14.29	-2.35	1.00	12973	11463
itemQ5.5_6	0.54	1.19	-1.70	2.98	1.00	10847	10987
itemQ5.5_7	-5.50	2.27	-10.48	-1.65	1.00	11543	9129

Q5.6

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q5_6_data (Number of observations: 2608)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 163)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	0.89	0.09	0.71	1.08	1.00	5930	9630

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ5.6_1	0.72	0.99	-1.20	2.70	1.00	8075	9582
itemQ5.6_10	-2.83	1.45	-5.90	-0.17	1.00	8349	9248
itemQ5.6_11	-7.12	2.96	-13.42	-1.70	1.00	8441	8310
itemQ5.6_12	-1.81	1.29	-4.47	0.59	1.00	7645	9178
itemQ5.6_13	-0.94	1.05	-3.07	1.05	1.00	7875	8799
itemQ5.6_14	-1.10	0.99	-3.09	0.81	1.00	6734	9054
itemQ5.6_15	-2.34	1.29	-5.13	-0.09	1.00	7989	7778
itemQ5.6_16	-2.54	1.32	-5.34	-0.15	1.00	7818	8126
itemQ5.6_2	-2.66	1.43	-5.73	-0.09	1.00	7908	9175
itemQ5.6_3	0.67	1.09	-1.39	2.90	1.00	6965	9121
itemQ5.6_4	-0.92	1.06	-3.03	1.14	1.00	6437	8487
itemQ5.6_5	-2.02	1.31	-4.65	0.45	1.00	7131	9579
itemQ5.6_6	-0.04	1.04	-2.12	2.01	1.00	8068	10512
itemQ5.6_7	-1.96	1.36	-4.93	0.47	1.00	7736	7949

itemQ5.1_25:sexMale	0.36	1.52	-2.55	3.42	1.00	
20222	12570					
itemQ5.1_27:sexMale	0.41	0.42	-0.39	1.28	1.00	
24394	12175					
itemQ5.1_1:divisionRaw	-0.33	0.67	-1.58	1.03	1.00	
15106	10811					
itemQ5.1_15:divisionRaw	-0.60	0.84	-2.38	0.88	1.00	
16254	10405					
itemQ5.1_16:divisionRaw	1.59	2.07	-1.71	6.30	1.00	
12133	7717					
itemQ5.1_19:divisionRaw	-0.61	1.21	-2.66	2.08	1.00	
16231	9402					
itemQ5.1_2:divisionRaw	0.07	0.86	-1.47	1.90	1.00	
16134	9714					
itemQ5.1_20:divisionRaw	-0.69	0.72	-2.21	0.63	1.00	
15240	10250					
itemQ5.1_25:divisionRaw	-0.54	2.33	-4.65	4.48	1.00	
16512	10486					
itemQ5.1_27:divisionRaw	0.22	1.15	-1.69	2.79	1.00	
13201	8334					
itemQ5.1_1:age.L	-0.54	0.32	-1.18	0.07	1.00	
22713	12786					
itemQ5.1_15:age.L	0.12	0.30	-0.47	0.73	1.00	
23730	12707					
itemQ5.1_16:age.L	-1.12	0.95	-3.21	0.51	1.00	
17045	9725					
itemQ5.1_19:age.L	-1.13	0.90	-3.16	0.35	1.00	
14507	8716					
itemQ5.1_2:age.L	0.48	0.36	-0.24	1.19	1.00	
23333	11369					
itemQ5.1_20:age.L	-0.23	0.27	-0.76	0.31	1.00	
26240	11785					
itemQ5.1_25:age.L	0.61	1.54	-2.46	3.66	1.00	
18777	12791					
itemQ5.1_27:age.L	-0.44	0.52	-1.54	0.51	1.00	
18579	11732					
itemQ5.1_1:age.Q	-0.08	0.21	-0.50	0.33	1.00	
23000	12426					
itemQ5.1_15:age.Q	-0.20	0.21	-0.62	0.22	1.00	
22855	12099					
itemQ5.1_16:age.Q	-0.26	0.60	-1.51	0.82	1.00	
17213	10381					
itemQ5.1_19:age.Q	-0.49	0.56	-1.72	0.47	1.00	
14684	8670					
itemQ5.1_2:age.Q	-0.34	0.24	-0.82	0.13	1.00	
25533	11655					
itemQ5.1_20:age.Q	-0.22	0.19	-0.60	0.14	1.00	
25261	11448					
itemQ5.1_25:age.Q	1.31	1.28	-1.06	4.02	1.00	
20717	11150					
itemQ5.1_27:age.Q	-0.41	0.34	-1.11	0.23	1.00	
19910	12312					
itemQ5.1_1:weight_class.L	-0.04	0.24	-0.50	0.43	1.00	
25013	11950					
itemQ5.1_15:weight_class.L	0.14	0.24	-0.33	0.60	1.00	
26156	11948					
itemQ5.1_16:weight_class.L	0.38	0.49	-0.54	1.37	1.00	
23766	11333					
itemQ5.1_19:weight_class.L	0.49	0.53	-0.46	1.62	1.00	
21230	10934					
itemQ5.1_2:weight_class.L	0.02	0.29	-0.55	0.61	1.00	
25417	11773					
itemQ5.1_20:weight_class.L	-0.21	0.22	-0.64	0.21		
1.00	23895	11817				
itemQ5.1_25:weight_class.L	2.82	2.28	-0.73	8.14	1.00	
12630	9306					
itemQ5.1_27:weight_class.L	-0.08	0.34	-0.74	0.59		
1.00	24331	12759				

itemQ5.2_25:sexMale	-0.23	0.70	-1.56	1.17	1.00	
21000	12244					
itemQ5.2_27:sexMale	-0.07	0.29	-0.63	0.51	1.00	
23716	11555					
itemQ5.2_1:divisionRaw	2.28	2.14	-1.10	7.15	1.00	
10978	8114					
itemQ5.2_15:divisionRaw	-0.76	0.65	-2.02	0.53	1.00	
12789	10558					
itemQ5.2_16:divisionRaw	1.02	1.15	-0.86	3.63	1.00	
10537	6718					
itemQ5.2_19:divisionRaw	-0.06	0.75	-1.43	1.53	1.00	
14201	9377					
itemQ5.2_2:divisionRaw	-0.62	0.65	-1.94	0.62	1.00	
12809	9678					
itemQ5.2_20:divisionRaw	0.19	0.87	-1.39	2.06	1.00	
13369	9546					
itemQ5.2_25:divisionRaw	-1.00	1.28	-3.23	1.78	1.00	
14225	9424					
itemQ5.2_27:divisionRaw	0.61	0.85	-0.89	2.44	1.00	
12937	9725					
itemQ5.2_1:age.L	-1.33	0.88	-3.33	0.14	1.00	
13188	8513					
itemQ5.2_15:age.L	-0.53	0.32	-1.18	0.09	1.00	
19363	12376					
itemQ5.2_16:age.L	-0.08	0.36	-0.81	0.62	1.00	
21907	12763					
itemQ5.2_19:age.L	-0.43	0.33	-1.09	0.19	1.00	
21880	12662					
itemQ5.2_2:age.L	0.29	0.27	-0.24	0.83	1.00	
22093	11331					
itemQ5.2_20:age.L	0.32	0.37	-0.41	1.04	1.00	
22696	12069					
itemQ5.2_25:age.L	-0.01	0.74	-1.61	1.38	1.00	
19705	10604					
itemQ5.2_27:age.L	-0.11	0.32	-0.75	0.50	1.00	
21356	11917					
itemQ5.2_1:age.Q	-0.21	0.56	-1.46	0.77	1.00	
13241	8229					
itemQ5.2_15:age.Q	-0.19	0.21	-0.61	0.22	1.00	
21505	11965					
itemQ5.2_16:age.Q	-0.22	0.25	-0.70	0.26	1.00	
23018	12112					
itemQ5.2_19:age.Q	-0.03	0.22	-0.47	0.40	1.00	
23119	11984					
itemQ5.2_2:age.Q	-0.33	0.18	-0.69	0.03	1.00	
24144	12007					
itemQ5.2_20:age.Q	-0.49	0.25	-0.99	-0.01	1.00	
25133	12580					
itemQ5.2_25:age.Q	0.70	0.57	-0.41	1.83	1.00	
19470	12170					
itemQ5.2_27:age.Q	-0.02	0.22	-0.46	0.40	1.00	
23689	11912					
itemQ5.2_1:weight_class.L	-0.14	0.45	-1.02	0.76	1.00	
22120	11634					
itemQ5.2_15:weight_class.L	-0.12	0.23	-0.57	0.33		
1.00	23653	12319				
itemQ5.2_16:weight_class.L	-0.39	0.28	-0.93	0.16		
1.00	24182	12177				
itemQ5.2_19:weight_class.L	-0.13	0.23	-0.59	0.33		
1.00	24087	12508				
itemQ5.2_2:weight_class.L	-0.11	0.21	-0.52	0.30	1.00	
22886	11646					
itemQ5.2_20:weight_class.L	-0.10	0.28	-0.65	0.45		
1.00	23564	12442				
itemQ5.2_25:weight_class.L	-0.32	0.57	-1.46	0.82		
1.00	24819	11577				
itemQ5.2_27:weight_class.L	0.38	0.26	-0.11	0.89	1.00	
21984	12323					

itemQ5.3_25:sexMale	-0.13	0.81	-1.67	1.53	1.00	
21977	12070					
itemQ5.3_27:sexMale	-0.09	0.26	-0.62	0.42	1.00	
21792	12177					
itemQ5.3_1:divisionRaw	1.62	2.12	-1.79	6.42	1.00	
10513	8259					
itemQ5.3_15:divisionRaw	-1.40	0.97	-3.14	0.63	1.00	
11827	8757					
itemQ5.3_16:divisionRaw	-0.71	0.76	-2.13	0.89	1.00	
11863	9320					
itemQ5.3_19:divisionRaw	-1.74	0.80	-3.23	-0.10	1.00	
13411	10778					
itemQ5.3_2:divisionRaw	-0.07	0.65	-1.34	1.25	1.00	
11433	11146					
itemQ5.3_20:divisionRaw	-0.41	0.74	-1.78	1.15	1.00	
12021	9150					
itemQ5.3_25:divisionRaw	1.20	2.26	-2.49	6.36	1.00	
10732	8904					
itemQ5.3_27:divisionRaw	0.57	0.74	-0.78	2.12	1.00	
11537	9929					
itemQ5.3_1:age.L	-1.26	0.92	-3.28	0.32	1.00	
13187	9936					
itemQ5.3_15:age.L	0.28	0.49	-0.68	1.22	1.00	
19629	12964					
itemQ5.3_16:age.L	0.30	0.38	-0.45	1.04	1.00	
20726	12137					
itemQ5.3_19:age.L	0.35	0.48	-0.60	1.28	1.00	
20349	12319					
itemQ5.3_2:age.L	0.40	0.28	-0.15	0.94	1.00	
21908	13017					
itemQ5.3_20:age.L	-0.10	0.35	-0.79	0.58	1.00	
19683	12391					
itemQ5.3_25:age.L	-0.62	0.97	-2.77	1.09	1.00	
15160	10266					
itemQ5.3_27:age.L	-0.35	0.29	-0.92	0.22	1.00	
21591	12460					
itemQ5.3_1:age.Q	-0.18	0.59	-1.45	0.91	1.00	
13892	9696					
itemQ5.3_15:age.Q	0.52	0.36	-0.18	1.22	1.00	
21895	12562					
itemQ5.3_16:age.Q	-0.36	0.25	-0.87	0.12	1.00	
23454	12157					
itemQ5.3_19:age.Q	-0.01	0.33	-0.67	0.64	1.00	
23964	12331					
itemQ5.3_2:age.Q	-0.12	0.19	-0.49	0.24	1.00	
24832	12057					
itemQ5.3_20:age.Q	-0.23	0.23	-0.68	0.20	1.00	
24246	12143					
itemQ5.3_25:age.Q	0.22	0.68	-1.20	1.48	1.00	
16707	10500					
itemQ5.3_27:age.Q	0.10	0.20	-0.28	0.48	1.00	
21660	12078					
itemQ5.3_1:weight_class.L	-0.26	0.55	-1.32	0.82	1.00	
22441	11695					
itemQ5.3_15:weight_class.L	-0.71	0.46	-1.63	0.18		
1.00	21680	12477				
itemQ5.3_16:weight_class.L	-0.33	0.27	-0.86	0.19		
1.00	23316	12445				
itemQ5.3_19:weight_class.L	0.03	0.44	-0.80	0.92	1.00	
20950	11880					
itemQ5.3_2:weight_class.L	0.01	0.21	-0.40	0.43	1.00	
24126	12463					
itemQ5.3_20:weight_class.L	-0.18	0.26	-0.69	0.34		
1.00	23504	11858				
itemQ5.3_25:weight_class.L	-0.05	0.74	-1.46	1.47		
1.00	20519	10997				
itemQ5.3_27:weight_class.L	0.01	0.22	-0.42	0.44	1.00	
23365	12528					

itemQ5.4_3:age.Q	0.68	0.41	-0.13	1.50	1.00	
27626	12154					
itemQ5.4_1:weight_class.L	0.27	0.21	-0.14	0.67	1.00	
35137	11960					
itemQ5.4_2:weight_class.L	-0.15	0.21	-0.55	0.25	1.00	
32712	12677					
itemQ5.4_3:weight_class.L	-0.48	0.44	-1.36	0.37	1.00	
31086	11588					
itemQ5.4_1:weight_class.Q	0.15	0.18	-0.20	0.51	1.00	
33312	12346					
itemQ5.4_2:weight_class.Q	-0.22	0.18	-0.57	0.13	1.00	
31090	11811					
itemQ5.4_3:weight_class.Q	0.20	0.43	-0.61	1.05	1.00	
30931	11142					
itemQ5.4_1:glp.L	-0.04	0.04	-0.13	0.05	1.00	
30569	11801					
itemQ5.4_2:glp.L	0.03	0.04	-0.05	0.12	1.00	
30564	12526					
itemQ5.4_3:glp.L	0.03	0.08	-0.13	0.19	1.00	
31251	12453					
itemQ5.4_1:glp.Q	-0.15	0.75	-1.62	1.31	1.00	
32926	11621					
itemQ5.4_2:glp.Q	-0.41	0.76	-1.91	1.07	1.00	
33296	11051					
itemQ5.4_3:glp.Q	1.57	1.28	-1.09	3.98	1.00	
27685	10890					
itemQ5.4_1:pl_exp.L	-0.02	0.04	-0.09	0.05	1.00	
33638	10952					
itemQ5.4_2:pl_exp.L	0.05	0.04	-0.03	0.12	1.00	
33535	12618					
itemQ5.4_3:pl_exp.L	-0.16	0.11	-0.40	0.03	1.00	
22494	10619					
itemQ5.4_1:pl_exp.Q	-0.50	0.41	-1.32	0.31	1.00	
27931	12012					
itemQ5.4_2:pl_exp.Q	0.54	0.40	-0.24	1.32	1.00	
30118	11687					
itemQ5.4_3:pl_exp.Q	-0.74	1.13	-3.08	1.36	1.00	
21923	12059					
itemQ5.4_1:rt_exp.L	-0.02	0.07	-0.17	0.12	1.00	
18442	12661					
itemQ5.4_2:rt_exp.L	0.01	0.07	-0.14	0.15	1.00	
17446	12325					
itemQ5.4_3:rt_exp.L	0.04	0.16	-0.27	0.33	1.00	
17753	12200					
itemQ5.4_1:rt_exp.Q	0.15	0.63	-1.09	1.38	1.00	
18352	12530					
itemQ5.4_2:rt_exp.Q	-0.28	0.63	-1.51	0.96	1.00	
16508	13340					
itemQ5.4_3:rt_exp.Q	0.41	1.33	-2.24	2.99	1.00	
17897	12488					

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ5.4_1	0.137	0.003	-0.011
b_itemQ5.4_2	0.166	-0.011	0.001
b_itemQ5.4_3	0.138	0.016	-0.015
b_itemQ5.4_1:sexMale	-0.167	0.017	-0.013
b_itemQ5.4_2:sexMale	-0.246	-0.015	0.025
b_itemQ5.4_3:sexMale	-0.178	0.019	-0.007
b_itemQ5.4_1:divisionRaw	0.111	0.004	0.011
b_itemQ5.4_2:divisionRaw	0.143	-0.021	0.001
b_itemQ5.4_3:divisionRaw	0.102	0.023	-0.010

itemQ5.5_8	-11.57	3.25	-18.32	-5.53	1.00	
13559	12348					
itemQ5.5_9	-8.31	2.86	-14.35	-3.13	1.00	
12031	10851					
itemQ5.5_1:sexMale	0.56	0.73	-0.82	2.03	1.00	
16386	11819					
itemQ5.5_10:sexMale	2.11	1.48	-0.47	5.30	1.00	
16921	11083					
itemQ5.5_11:sexMale	-2.17	2.29	-6.81	2.24	1.00	
14259	12372					
itemQ5.5_12:sexMale	1.53	2.19	-2.20	6.36	1.00	
17234	10450					
itemQ5.5_13:sexMale	0.50	0.76	-0.94	2.07	1.00	
16789	11524					
itemQ5.5_14:sexMale	-1.40	0.63	-2.64	-0.17	1.00	
16822	11906					
itemQ5.5_15:sexMale	-0.75	0.58	-1.89	0.39	1.00	
15137	11596					
itemQ5.5_16:sexMale	-1.42	0.60	-2.60	-0.27	1.00	
16038	12102					
itemQ5.5_2:sexMale	-1.59	1.64	-4.76	1.70	1.00	
20645	12110					
itemQ5.5_3:sexMale	0.16	1.30	-2.21	2.83	1.00	
20025	11680					
itemQ5.5_4:sexMale	0.69	0.66	-0.57	2.04	1.00	
15894	12122					
itemQ5.5_5:sexMale	2.63	2.15	-0.98	7.32	1.00	
19315	11089					
itemQ5.5_6:sexMale	1.31	0.56	0.22	2.41	1.00	
15294	12688					
itemQ5.5_7:sexMale	0.44	0.94	-1.26	2.39	1.00	
19397	10692					
itemQ5.5_8:sexMale	0.42	2.51	-4.23	5.62	1.00	
18303	12057					
itemQ5.5_9:sexMale	0.08	1.61	-2.98	3.35	1.00	
15173	13031					
itemQ5.5_1:divisionRaw	-0.69	1.44	-3.38	2.30	1.00	
11687	9737					
itemQ5.5_10:divisionRaw	-5.24	1.62	-8.64	-2.27	1.00	
14303	11019					
itemQ5.5_11:divisionRaw	-1.70	2.96	-7.31	4.30	1.00	
14316	12227					
itemQ5.5_12:divisionRaw	-0.79	2.38	-4.98	4.34	1.00	
17505	10486					
itemQ5.5_13:divisionRaw	-1.22	1.34	-3.82	1.50	1.00	
11990	10998					
itemQ5.5_14:divisionRaw	0.44	1.51	-2.28	3.56	1.00	
10780	10574					
itemQ5.5_15:divisionRaw	0.25	1.44	-2.34	3.32	1.00	
11246	8484					
itemQ5.5_16:divisionRaw	-0.87	1.27	-3.28	1.69	1.00	
10790	10242					
itemQ5.5_2:divisionRaw	-1.25	2.75	-6.18	4.62	1.00	
13570	10500					
itemQ5.5_3:divisionRaw	-0.11	2.32	-4.16	4.93	1.00	
15171	10655					
itemQ5.5_4:divisionRaw	0.29	1.49	-2.43	3.41	1.00	
11745	9742					
itemQ5.5_5:divisionRaw	-2.77	2.73	-7.79	2.86	1.00	
16290	11440					
itemQ5.5_6:divisionRaw	-0.59	1.19	-3.01	1.67	1.00	
10864	10846					
itemQ5.5_7:divisionRaw	2.08	2.23	-1.68	7.01	1.00	
12145	9222					
itemQ5.5_8:divisionRaw	-0.66	2.66	-5.63	4.85	1.00	
15962	11179					
itemQ5.5_9:divisionRaw	-0.98	2.46	-5.48	4.18	1.00	
14563	11579					

itemQ5.6_8	-7.89	2.57	-13.32	-3.33	1.00	
7843	9156					
itemQ5.6_9	-3.21	1.68	-6.69	-0.07	1.00	
6253	7750					
itemQ5.6_1:sexMale	0.10	0.47	-0.81	1.03	1.00	
11001	11540					
itemQ5.6_10:sexMale	-0.36	0.76	-1.82	1.20	1.00	
13591	11953					
itemQ5.6_11:sexMale	-2.12	1.81	-5.79	1.38	1.00	
15370	10856					
itemQ5.6_12:sexMale	-0.29	0.76	-1.72	1.22	1.00	
13124	11533					
itemQ5.6_13:sexMale	-0.18	0.47	-1.09	0.74	1.00	
11066	11620					
itemQ5.6_14:sexMale	0.61	0.49	-0.34	1.58	1.00	
10887	10582					
itemQ5.6_15:sexMale	0.02	0.48	-0.92	0.96	1.00	
11746	11412					
itemQ5.6_16:sexMale	-0.31	0.50	-1.29	0.69	1.00	
11955	11215					
itemQ5.6_2:sexMale	0.06	0.73	-1.31	1.56	1.00	
14433	11404					
itemQ5.6_3:sexMale	0.03	0.50	-0.94	1.01	1.00	
11801	11449					
itemQ5.6_4:sexMale	-0.31	0.51	-1.32	0.68	1.00	
10997	11708					
itemQ5.6_5:sexMale	-0.51	0.71	-1.85	0.92	1.00	
13579	12512					
itemQ5.6_6:sexMale	-1.44	0.51	-2.47	-0.44	1.00	
11546	11214					
itemQ5.6_7:sexMale	-0.95	0.58	-2.07	0.21	1.00	
13845	12791					
itemQ5.6_8:sexMale	0.28	1.34	-2.17	3.13	1.00	
13193	10189					
itemQ5.6_9:sexMale	0.81	0.97	-0.97	2.86	1.00	
12725	11036					
itemQ5.6_1:divisionRaw	-0.57	0.95	-2.45	1.29	1.00	
8701	10335					
itemQ5.6_10:divisionRaw	-0.41	1.34	-2.82	2.50	1.00	
9442	8997					
itemQ5.6_11:divisionRaw	-1.34	2.63	-6.30	4.15	1.00	
9513	9446					
itemQ5.6_12:divisionRaw	-1.60	1.17	-3.82	0.79	1.00	
8461	10304					
itemQ5.6_13:divisionRaw	0.93	1.02	-1.00	3.03	1.00	
8322	9579					
itemQ5.6_14:divisionRaw	0.02	0.95	-1.78	1.91	1.00	
7400	8953					
itemQ5.6_15:divisionRaw	1.54	1.26	-0.65	4.32	1.00	
8281	7522					
itemQ5.6_16:divisionRaw	1.43	1.29	-0.88	4.17	1.00	
8552	8592					
itemQ5.6_2:divisionRaw	-0.71	1.34	-3.12	2.20	1.00	
8903	8691					
itemQ5.6_3:divisionRaw	-1.58	1.05	-3.71	0.40	1.00	
7378	8683					
itemQ5.6_4:divisionRaw	-0.24	1.00	-2.18	1.73	1.00	
7407	9549					
itemQ5.6_5:divisionRaw	-1.08	1.14	-3.22	1.24	1.00	
8488	9296					
itemQ5.6_6:divisionRaw	0.02	0.98	-1.93	1.98	1.00	
8793	10676					
itemQ5.6_7:divisionRaw	0.21	1.32	-2.12	3.12	1.00	
8009	7686					
itemQ5.6_8:divisionRaw	-0.20	2.26	-4.18	4.74	1.00	
10856	9073					
itemQ5.6_9:divisionRaw	-3.00	1.21	-5.44	-0.66	1.00	
10661	10772					

itemQ5.1_1:weight_class.Q	0.05	0.20	-0.33	0.44	1.00				
26095	11866								
itemQ5.1_15:weight_class.Q	-0.13	0.21	-0.55	0.27					
1.00	23351	11183							
itemQ5.1_16:weight_class.Q	1.09	0.60	-0.01	2.35					
1.00	24818	11313							
itemQ5.1_19:weight_class.Q	-0.33	0.40	-1.14	0.45					
1.00	20134	12071							
itemQ5.1_2:weight_class.Q	-0.26	0.24	-0.73	0.19	1.00				
24577	12942								
itemQ5.1_20:weight_class.Q	-0.07	0.19	-0.44	0.30					
1.00	26158	11461							
itemQ5.1_25:weight_class.Q	-1.51	1.73	-5.17	1.75					
1.00	13655	10430							
itemQ5.1_27:weight_class.Q	-0.10	0.28	-0.65	0.45					
1.00	27133	11147							
itemQ5.1_1:glp.L	-0.03	0.05	-0.14	0.07	1.00				
23156	12248								
itemQ5.1_15:glp.L	-0.04	0.05	-0.13	0.05	1.00				
26061	10755								
itemQ5.1_16:glp.L	0.20	0.10	0.02	0.41	1.00				
22056	11918								
itemQ5.1_19:glp.L	-0.02	0.10	-0.21	0.17	1.00				
23603	11282								
itemQ5.1_2:glp.L	-0.07	0.05	-0.18	0.03	1.00				
23856	11326								
itemQ5.1_20:glp.L	0.01	0.04	-0.08	0.09	1.00				
27563	11534								
itemQ5.1_25:glp.L	-0.10	0.23	-0.59	0.32	1.00				
19179	11477								
itemQ5.1_27:glp.L	0.08	0.07	-0.06	0.22	1.00				
23488	12302								
itemQ5.1_1:glp.Q	-2.63	1.02	-4.75	-0.75	1.00				
24822	10940								
itemQ5.1_15:glp.Q	-2.24	0.79	-3.79	-0.69	1.00				
27063	11699								
itemQ5.1_16:glp.Q	3.30	1.49	0.25	6.11	1.00				
21198	12015								
itemQ5.1_19:glp.Q	0.00	1.55	-3.23	2.83	1.00				
21353	11216								
itemQ5.1_2:glp.Q	1.33	0.89	-0.46	3.03	1.00				
26234	11129								
itemQ5.1_20:glp.Q	-0.73	0.75	-2.20	0.75	1.00				
27947	11739								
itemQ5.1_25:glp.Q	5.92	3.06	-0.22	12.03	1.00				
18873	12285								
itemQ5.1_27:glp.Q	-0.33	1.24	-2.90	1.98	1.00				
22646	10174								
itemQ5.1_1:pl_exp.L	-0.02	0.04	-0.10	0.06	1.00				
28045	12146								
itemQ5.1_15:pl_exp.L	0.04	0.04	-0.04	0.12	1.00				
25421	11596								
itemQ5.1_16:pl_exp.L	0.00	0.09	-0.17	0.17	1.00				
26552	10577								
itemQ5.1_19:pl_exp.L	0.01	0.07	-0.14	0.15	1.00				
26897	11266								
itemQ5.1_2:pl_exp.L	-0.03	0.05	-0.13	0.06	1.00				
24591	12691								
itemQ5.1_20:pl_exp.L	0.04	0.04	-0.03	0.11	1.00				
25955	11418								
itemQ5.1_25:pl_exp.L	0.42	0.30	-0.09	1.09	1.00				
16123	9651								
itemQ5.1_27:pl_exp.L	-0.09	0.07	-0.23	0.03	1.00				
22504	11735								
itemQ5.1_1:pl_exp.Q	-0.78	0.46	-1.70	0.11	1.00				
24135	12425								
itemQ5.1_15:pl_exp.Q	-0.39	0.46	-1.29	0.52	1.00				
24743	12404								

itemQ5.2_1:weight_class.Q	-0.15	0.38	-0.90	0.60	1.00				
25053	12229								
itemQ5.2_15:weight_class.Q	0.03	0.20	-0.36	0.41					
1.00	24717	11730							
itemQ5.2_16:weight_class.Q	-0.14	0.23	-0.59	0.31					
1.00	24472	10136							
itemQ5.2_19:weight_class.Q	0.22	0.21	-0.18	0.63					
1.00	25827	12284							
itemQ5.2_2:weight_class.Q	0.12	0.18	-0.25	0.47	1.00				
22849	12424								
itemQ5.2_20:weight_class.Q	-0.14	0.24	-0.60	0.33					
1.00	25342	12267							
itemQ5.2_25:weight_class.Q	-0.14	0.54	-1.22	0.92					
1.00	20633	12092							
itemQ5.2_27:weight_class.Q	-0.18	0.21	-0.59	0.22					
1.00	23510	12895							
itemQ5.2_1:glp.L	0.09	0.11	-0.12	0.30	1.00				
21481	11693								
itemQ5.2_15:glp.L	0.02	0.05	-0.08	0.11	1.00				
23878	12148								
itemQ5.2_16:glp.L	-0.10	0.06	-0.22	0.01	1.00				
22381	11095								
itemQ5.2_19:glp.L	-0.04	0.05	-0.14	0.07	1.00				
22202	11670								
itemQ5.2_2:glp.L	-0.07	0.04	-0.16	0.01	1.00				
22473	12449								
itemQ5.2_20:glp.L	-0.21	0.07	-0.35	-0.07	1.00				
19085	12130								
itemQ5.2_25:glp.L	0.18	0.13	-0.05	0.45	1.00				
18578	11625								
itemQ5.2_27:glp.L	0.12	0.05	0.02	0.23	1.00				
24675	12338								
itemQ5.2_1:glp.Q	-2.11	1.84	-5.95	1.20	1.00				
20691	11672								
itemQ5.2_15:glp.Q	-0.85	0.85	-2.56	0.76	1.00				
23217	12040								
itemQ5.2_16:glp.Q	-0.77	1.05	-2.94	1.19	1.00				
25696	12740								
itemQ5.2_19:glp.Q	-0.95	0.94	-2.87	0.82	1.00				
25314	11754								
itemQ5.2_2:glp.Q	0.74	0.76	-0.72	2.24	1.00				
23427	11413								
itemQ5.2_20:glp.Q	-3.42	1.31	-6.15	-1.04	1.00				
21743	12014								
itemQ5.2_25:glp.Q	0.94	1.86	-2.85	4.38	1.00				
18083	11075								
itemQ5.2_27:glp.Q	-0.26	0.88	-2.06	1.39	1.00				
23832	12641								
itemQ5.2_1:pl_exp.L	-0.08	0.07	-0.23	0.06	1.00				
22819	10830								
itemQ5.2_15:pl_exp.L	0.07	0.04	-0.01	0.15	1.00				
24268	11284								
itemQ5.2_16:pl_exp.L	-0.05	0.05	-0.14	0.04	1.00				
24587	12372								
itemQ5.2_19:pl_exp.L	0.08	0.04	0.00	0.16	1.00				
24730	12789								
itemQ5.2_2:pl_exp.L	0.07	0.04	-0.01	0.14	1.00				
24105	11433								
itemQ5.2_20:pl_exp.L	-0.08	0.06	-0.21	0.03	1.00				
19178	10736								
itemQ5.2_25:pl_exp.L	-0.07	0.09	-0.26	0.10	1.00				
23954	11968								
itemQ5.2_27:pl_exp.L	-0.03	0.04	-0.12	0.05	1.00				
24110	12233								
itemQ5.2_1:pl_exp.Q	1.20	0.87	-0.49	2.90	1.00				
23521	12507								
itemQ5.2_15:pl_exp.Q	-0.37	0.43	-1.23	0.46	1.00				
21787	12443								

itemQ5.3_1:weight_class.Q	0.03	0.49	-0.93	1.01	1.00				
23865	12412								
itemQ5.3_15:weight_class.Q	-0.69	0.36	-1.42	0.00					
1.00	20584	11969							
itemQ5.3_16:weight_class.Q	0.09	0.23	-0.37	0.55					
1.00	25127	11967							
itemQ5.3_19:weight_class.Q	-0.71	0.35	-1.40	-0.05					
1.00	20968	12091							
itemQ5.3_2:weight_class.Q	-0.20	0.18	-0.56	0.16	1.00				
24766	12394								
itemQ5.3_20:weight_class.Q	-0.18	0.21	-0.60	0.23					
1.00	22546	11922							
itemQ5.3_25:weight_class.Q	-0.54	0.63	-1.80	0.69					
1.00	20369	11956							
itemQ5.3_27:weight_class.Q	0.29	0.19	-0.09	0.66					
1.00	25896	12141							
itemQ5.3_1:glp.L	-0.24	0.14	-0.53	0.01	1.00				
16524	10867								
itemQ5.3_15:glp.L	0.07	0.08	-0.09	0.24	1.00				
21298	12438								
itemQ5.3_16:glp.L	0.02	0.06	-0.09	0.13	1.00				
23743	11984								
itemQ5.3_19:glp.L	-0.13	0.08	-0.30	0.03	1.00				
19651	11726								
itemQ5.3_2:glp.L	0.01	0.04	-0.08	0.10	1.00				
25063	12352								
itemQ5.3_20:glp.L	-0.10	0.06	-0.21	0.01	1.00				
22444	12178								
itemQ5.3_25:glp.L	-0.03	0.12	-0.27	0.20	1.00				
20282	12108								
itemQ5.3_27:glp.L	0.07	0.05	-0.02	0.16	1.00				
24734	12402								
itemQ5.3_1:glp.Q	-0.49	2.07	-4.91	3.26	1.00				
16921	11579								
itemQ5.3_15:glp.Q	0.66	1.38	-2.17	3.25	1.00				
22199	12058								
itemQ5.3_16:glp.Q	0.76	0.95	-1.16	2.57	1.00				
23991	13200								
itemQ5.3_19:glp.Q	0.25	1.29	-2.41	2.69	1.00				
21079	11793								
itemQ5.3_2:glp.Q	-0.46	0.76	-1.98	1.03	1.00				
26252	11735								
itemQ5.3_20:glp.Q	-0.45	0.94	-2.34	1.31	1.00				
24246	12271								
itemQ5.3_25:glp.Q	2.29	1.89	-1.65	5.83	1.00				
22984	12293								
itemQ5.3_27:glp.Q	-1.07	0.85	-2.79	0.56	1.00				
22721	11813								
itemQ5.3_1:pl_exp.L	-0.07	0.09	-0.24	0.10	1.00				
24569	12384								
itemQ5.3_15:pl_exp.L	0.02	0.07	-0.12	0.15	1.00				
22737	12189								
itemQ5.3_16:pl_exp.L	0.03	0.05	-0.07	0.12	1.00				
23707	11249								
itemQ5.3_19:pl_exp.L	0.10	0.06	-0.03	0.22	1.00				
22859	11751								
itemQ5.3_2:pl_exp.L	0.03	0.04	-0.04	0.10	1.00				
24153	12170								
itemQ5.3_20:pl_exp.L	0.03	0.04	-0.06	0.12	1.00				
24582	12578								
itemQ5.3_25:pl_exp.L	0.14	0.12	-0.09	0.40	1.00				
20856	11252								
itemQ5.3_27:pl_exp.L	-0.06	0.04	-0.14	0.02	1.00				
23926	12202								
itemQ5.3_1:pl_exp.Q	1.08	1.04	-0.99	3.13	1.00				
21801	12398								
itemQ5.3_15:pl_exp.Q	0.64	0.79	-0.94	2.16	1.00				
20021	12459								

b_itemQ5.4_1:age.L	-0.174	-0.042	-0.004						
b_itemQ5.4_2:age.L	-0.227	-0.002	0.000						
b_itemQ5.4_3:age.L	-0.168	-0.035	-0.023						
b_itemQ5.4_1:age.Q	-0.272	-0.030	-0.016						
b_itemQ5.4_2:age.Q	-0.237	0.009	0.019						
b_itemQ5.4_3:age.Q	-0.131	-0.020	-0.021						
b_itemQ5.4_1:weight_class.L	-0.252	0.006	-0.010						
b_itemQ5.4_2:weight_class.L	-0.218	0.019	-0.007						
b_itemQ5.4_3:weight_class.L	-0.197	0.017	-0.012						
b_itemQ5.4_1:weight_class.Q	-0.227	-0.009	-0.023						
b_itemQ5.4_2:weight_class.Q	-0.216	0.002	0.009						
b_itemQ5.4_3:weight_class.Q	-0.176	0.003	0.004						
b_itemQ5.4_1:glp.L	-0.146	0.008	0.007						
b_itemQ5.4_2:glp.L	-0.203	0.002	0.021						
b_itemQ5.4_3:glp.L	-0.192	-0.026	-0.010						
b_itemQ5.4_1:glp.Q	-0.215	0.025	0.022						
b_itemQ5.4_2:glp.Q	-0.218	-0.006	-0.009						
b_itemQ5.4_3:glp.Q	-0.150	0.006	-0.015						
b_itemQ5.4_1:pl_exp.L	-0.248	-0.016	-0.016						
b_itemQ5.4_2:pl_exp.L	-0.219	0.008	0.029						
b_itemQ5.4_3:pl_exp.L	-0.078	-0.019	0.004						
b_itemQ5.4_1:pl_exp.Q	-0.188	-0.007	-0.011						
b_itemQ5.4_2:pl_exp.Q	-0.164	-0.011	0.019						
b_itemQ5.4_3:pl_exp.Q	-0.084	-0.011	0.022						
b_itemQ5.4_1:rt_exp.L	0.095	0.011	0.026						
b_itemQ5.4_2:rt_exp.L	0.109	-0.004	-0.022						
b_itemQ5.4_3:rt_exp.L	0.145	0.024	-0.012						
b_itemQ5.4_1:rt_exp.Q	0.132	0.022	0.004						
b_itemQ5.4_2:rt_exp.Q	0.142	0.008	-0.036						
b_itemQ5.4_3:rt_exp.Q	0.123	0.022	-0.006						
b_Intercept	NA	NA	NA						
b_sexMale	NA	NA	NA						
b_divisionRaw	NA	NA	NA						
b_age.L	NA	NA	NA						
b_weight_class.L	NA	NA	NA						
b_glp.L	NA	NA	NA						
b_pl_exp.L	NA	NA	NA						
b_rt_exp.L	NA	NA	NA						
r_ResponseId__Intercept	NA	NA	NA						

itemQ5.5_1:age.L	-0.65	0.89	-2.47	1.04	1.00				
16608	12398								
itemQ5.5_10:age.L	1.65	1.20	-0.58	4.15	1.00				
17771	11488								
itemQ5.5_11:age.L	-0.03	3.24	-6.12	6.71	1.00				
13328	11169								
itemQ5.5_12:age.L	-2.20	2.63	-7.98	2.40	1.00				
15164	9499								
itemQ5.5_13:age.L	-0.87	1.09	-3.20	1.05	1.00				
13691	10836								
itemQ5.5_14:age.L	-1.00	0.90	-2.86	0.68	1.00				
14325	10826								
itemQ5.5_15:age.L	0.52	0.69	-0.82	1.86	1.00				
14572	12594								
itemQ5.5_16:age.L	-0.18	0.71	-1.61	1.20	1.00				
14415	12439								
itemQ5.5_2:age.L	-2.57	2.83	-8.65	2.42	1.00				
15260	10151								
itemQ5.5_3:age.L	0.18	3.14	-6.23	6.45	1.00				
14849	11346								
itemQ5.5_4:age.L	-0.80	0.72	-2.26	0.62	1.00				
14502	12182								
itemQ5.5_5:age.L	-2.59	2.54	-8.49	1.60	1.00				
13653	10071								
itemQ5.5_6:age.L	-0.41	0.64	-1.66	0.83	1.00				
13890	11763								
itemQ5.5_7:age.L	-0.84	0.96	-2.75	0.99	1.00				
16850	12369								
itemQ5.5_8:age.L	-2.16	3.46	-8.98	4.79	1.00				
18493	12638								
itemQ5.5_9:age.L	1.22	3.37	-5.71	7.75	1.00				
16132	12255								
itemQ5.5_1:age.Q	-0.62	0.54	-1.75	0.40	1.00				
15738	11454								
itemQ5.5_10:age.Q	-0.28	0.80	-1.91	1.23	1.00				
15809	11738								
itemQ5.5_11:age.Q	-0.12	2.14	-4.58	3.81	1.00				
12950	10645								
itemQ5.5_12:age.Q	-1.62	1.67	-5.26	1.27	1.00				
14073	10207								
itemQ5.5_13:age.Q	-1.04	0.66	-2.46	0.17	1.00				
12695	9823								
itemQ5.5_14:age.Q	-0.32	0.58	-1.50	0.78	1.00				
14148	10664								
itemQ5.5_15:age.Q	0.37	0.45	-0.51	1.24	1.00				
14439	12301								
itemQ5.5_16:age.Q	0.91	0.48	-0.03	1.84	1.00				
14467	12867								
itemQ5.5_2:age.Q	-1.58	1.80	-5.45	1.64	1.00				
15192	10422								
itemQ5.5_3:age.Q	-4.25	2.09	-9.07	-0.89	1.00				
12428	9537								
itemQ5.5_4:age.Q	0.43	0.48	-0.54	1.36	1.00				
14105	12989								
itemQ5.5_5:age.Q	0.10	1.77	-3.53	3.45	1.00				
12260	10411								
itemQ5.5_6:age.Q	0.07	0.41	-0.73	0.89	1.00				
14579	12496								
itemQ5.5_7:age.Q	0.47	0.63	-0.77	1.68	1.00				
16528	12728								
itemQ5.5_8:age.Q	-2.04	2.34	-7.14	2.08	1.00				
15683	11017								
itemQ5.5_9:age.Q	-3.86	2.18	-8.74	-0.26	1.00				
13644	10882								
itemQ5.5_1:weight_class.L	0.05	0.51	-0.92	1.07	1.00				
16572	12080								
itemQ5.5_10:weight_class.L	3.41	2.37	-0.19	8.87	1.00				
10429	8746								

itemQ5.6_1:age.L	0.41	0.52	-0.61	1.44	1.00				
9309	10883								
itemQ5.6_10:age.L	0.93	0.86	-0.72	2.67	1.00				
13796	10891								
itemQ5.6_11:age.L	-2.27	2.67	-8.15	2.20	1.00				
10473	9217								
itemQ5.6_12:age.L	0.52	0.87	-1.17	2.31	1.00				
12592	11102								
itemQ5.6_13:age.L	0.25	0.52	-0.76	1.27	1.00				
10712	11410								
itemQ5.6_14:age.L	0.28	0.51	-0.72	1.30	1.00				
11282	11830								
itemQ5.6_15:age.L	-0.39	0.53	-1.44	0.63	1.00				
10436	11404								
itemQ5.6_16:age.L	-0.72	0.58	-1.87	0.39	1.00				
11378	11359								
itemQ5.6_2:age.L	-0.55	0.78	-2.15	0.89	1.00				
12051	10948								
itemQ5.6_3:age.L	0.29	0.54	-0.76	1.34	1.00				
10573	11365								
itemQ5.6_4:age.L	0.29	0.53	-0.76	1.35	1.00				
10418	11008								
itemQ5.6_5:age.L	1.14	0.74	-0.27	2.66	1.00				
11791	11026								
itemQ5.6_6:age.L	0.57	0.56	-0.53	1.69	1.00				
11556	11770								
itemQ5.6_7:age.L	-0.60	0.70	-2.00	0.72	1.00				
10968	11219								
itemQ5.6_8:age.L	-2.05	2.39	-7.54	1.81	1.00				
8943	7575								
itemQ5.6_9:age.L	1.83	1.01	0.02	4.00	1.00				
10524	7937								
itemQ5.6_1:age.Q	0.52	0.34	-0.14	1.22	1.00				
11379	11596								
itemQ5.6_10:age.Q	-0.19	0.57	-1.35	0.88	1.00				
14423	10929								
itemQ5.6_11:age.Q	-0.12	1.90	-4.05	3.53	1.00				
9864	9795								
itemQ5.6_12:age.Q	-0.39	0.60	-1.62	0.73	1.00				
11597	9147								
itemQ5.6_13:age.Q	0.31	0.34	-0.36	0.98	1.00				
11602	11547								
itemQ5.6_14:age.Q	0.05	0.34	-0.63	0.72	1.00				
11901	11163								
itemQ5.6_15:age.Q	-0.27	0.35	-0.96	0.41	1.00				
11136	11311								
itemQ5.6_16:age.Q	-0.25	0.39	-1.03	0.49	1.00				
11018	11413								
itemQ5.6_2:age.Q	-0.40	0.53	-1.49	0.61	1.00				
12858	11954								
itemQ5.6_3:age.Q	0.30	0.36	-0.38	1.00	1.00				
10863	10784								
itemQ5.6_4:age.Q	-0.06	0.37	-0.79	0.66	1.00				
10748	11213								
itemQ5.6_5:age.Q	0.37	0.52	-0.67	1.38	1.00				
14256	11892								
itemQ5.6_6:age.Q	0.05	0.37	-0.70	0.78	1.00				
12325	11270								
itemQ5.6_7:age.Q	-0.21	0.46	-1.15	0.67	1.00				
12976	11700								
itemQ5.6_8:age.Q	-2.10	1.51	-5.55	0.44	1.00				
8729	8021								
itemQ5.6_9:age.Q	-0.01	0.68	-1.43	1.24	1.00				
11098	8576								
itemQ5.6_1:weight_class.L	-0.62	0.40	-1.41	0.16	1.00				
11681	12044								
itemQ5.6_10:weight_class.L	0.04	0.74	-1.31	1.60	1.00				
12313	10941								

itemQ5.1_16:pl_exp.Q	0.88	1.01	-1.12	2.84	1.00	22001	13192		
itemQ5.1_19:pl_exp.Q	0.45	0.79	-1.11	1.98	1.00	23606	12113		
itemQ5.1_2:pl_exp.Q	-0.36	0.53	-1.41	0.66	1.00	23602	12602		
itemQ5.1_20:pl_exp.Q	-0.87	0.41	-1.67	-0.07	1.00	23211	12697		
itemQ5.1_25:pl_exp.Q	-0.43	2.58	-5.62	4.59	1.00	17977	11946		
itemQ5.1_27:pl_exp.Q	-0.27	0.69	-1.67	1.04	1.00	21929	11795		
itemQ5.1_1:rt_exp.L	0.02	0.08	-0.15	0.18	1.00	15201	11994		
itemQ5.1_15:rt_exp.L	-0.18	0.08	-0.33	-0.02	1.00	14402	11803		
itemQ5.1_16:rt_exp.L	-0.04	0.18	-0.43	0.29	1.00	15387	11342		
itemQ5.1_19:rt_exp.L	-0.08	0.15	-0.40	0.20	1.00	14630	10594		
itemQ5.1_2:rt_exp.L	-0.06	0.10	-0.27	0.13	1.00	14712	10599		
itemQ5.1_20:rt_exp.L	0.02	0.08	-0.12	0.17	1.00	15939	12207		
itemQ5.1_25:rt_exp.L	0.42	0.35	-0.25	1.11	1.00	16005	11644		
itemQ5.1_27:rt_exp.L	-0.08	0.12	-0.33	0.15	1.00	15270	11078		
itemQ5.1_1:rt_exp.Q	0.29	0.72	-1.13	1.71	1.00	15179	12118		
itemQ5.1_15:rt_exp.Q	-1.13	0.71	-2.54	0.25	1.00	14865	12062		
itemQ5.1_16:rt_exp.Q	0.45	1.56	-2.70	3.49	1.00	15721	11561		
itemQ5.1_19:rt_exp.Q	-1.67	1.40	-4.54	0.92	1.00	15299	10723		
itemQ5.1_2:rt_exp.Q	-0.97	0.86	-2.69	0.66	1.00	14335	11780		
itemQ5.1_20:rt_exp.Q	-0.12	0.65	-1.37	1.17	1.00	15569	12278		
itemQ5.1_25:rt_exp.Q	2.63	3.00	-3.26	8.60	1.00	17216	12564		
itemQ5.1_27:rt_exp.Q	-0.87	1.05	-2.97	1.13	1.00	14974	11053		

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ5.1_1	-0.281	-0.019	-0.018
b_itemQ5.1_15	-0.278	-0.004	-0.010
b_itemQ5.1_16	-0.202	0.014	-0.008
b_itemQ5.1_19	-0.232	0.005	0.015
b_itemQ5.1_2	-0.287	-0.010	0.012
b_itemQ5.1_20	-0.263	-0.016	0.013
b_itemQ5.1_25	-0.193	0.031	0.028
b_itemQ5.1_27	-0.220	0.020	-0.012
b_itemQ5.1_1:sexMale	-0.420	-0.014	0.032
b_itemQ5.1_15:sexMale	-0.423	-0.015	0.003
b_itemQ5.1_16:sexMale	-0.368	0.006	-0.013
b_itemQ5.1_19:sexMale	-0.395	-0.013	0.016
b_itemQ5.1_2:sexMale	-0.363	-0.012	-0.015
b_itemQ5.1_20:sexMale	-0.419	-0.025	-0.007
b_itemQ5.1_25:sexMale	-0.381	0.020	0.006

itemQ5.2_16:pl_exp.Q	-0.01	0.52	-1.06	0.98	1.00	23620	11525		
itemQ5.2_19:pl_exp.Q	-0.52	0.46	-1.44	0.36	1.00	22416	12614		
itemQ5.2_2:pl_exp.Q	-0.66	0.41	-1.46	0.13	1.00	22061	12325		
itemQ5.2_20:pl_exp.Q	-1.93	0.64	-3.25	-0.72	1.00	19502	11012		
itemQ5.2_25:pl_exp.Q	2.95	1.21	0.61	5.40	1.00	19114	11967		
itemQ5.2_27:pl_exp.Q	0.05	0.46	-0.86	0.95	1.00	22627	12214		
itemQ5.2_1:rt_exp.L	0.22	0.13	-0.03	0.47	1.00	14828	11454		
itemQ5.2_15:rt_exp.L	0.02	0.08	-0.14	0.17	1.00	13622	12354		
itemQ5.2_16:rt_exp.L	-0.12	0.10	-0.32	0.08	1.00	13014	11262		
itemQ5.2_19:rt_exp.L	-0.09	0.09	-0.27	0.07	1.00	12342	11156		
itemQ5.2_2:rt_exp.L	-0.14	0.08	-0.29	0.01	1.00	12527	11730		
itemQ5.2_20:rt_exp.L	-0.40	0.14	-0.68	-0.14	1.00	11375	10497		
itemQ5.2_25:rt_exp.L	-0.01	0.19	-0.41	0.34	1.00	13140	11259		
itemQ5.2_27:rt_exp.L	0.08	0.08	-0.08	0.24	1.00	13673	11691		
itemQ5.2_1:rt_exp.Q	2.50	1.17	0.19	4.77	1.00	14787	11729		
itemQ5.2_15:rt_exp.Q	-0.19	0.70	-1.58	1.16	1.00	13477	11694		
itemQ5.2_16:rt_exp.Q	-0.88	0.86	-2.57	0.77	1.00	12675	10784		
itemQ5.2_19:rt_exp.Q	-1.05	0.75	-2.57	0.41	1.00	12289	12281		
itemQ5.2_2:rt_exp.Q	-1.04	0.65	-2.33	0.22	1.00	12435	11371		
itemQ5.2_20:rt_exp.Q	-2.39	1.03	-4.45	-0.43	1.00	11497	11073		
itemQ5.2_25:rt_exp.Q	0.98	1.59	-2.19	4.04	1.00	13524	11994		
itemQ5.2_27:rt_exp.Q	0.31	0.70	-1.08	1.68	1.00	13332	11837		

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ5.2_1	0.275	0.035	0.001
b_itemQ5.2_15	0.317	0.026	0.001
b_itemQ5.2_16	0.352	-0.009	0.015
b_itemQ5.2_19	0.286	0.011	0.002
b_itemQ5.2_2	0.267	0.003	-0.001
b_itemQ5.2_20	0.246	0.017	-0.013
b_itemQ5.2_25	0.206	-0.001	0.007
b_itemQ5.2_27	0.200	0.006	0.000
b_itemQ5.2_1:sexMale	-0.142	0.012	-0.005
b_itemQ5.2_15:sexMale	-0.008	0.005	-0.012
b_itemQ5.2_16:sexMale	-0.132	-0.013	-0.013
b_itemQ5.2_19:sexMale	-0.124	-0.011	0.001
b_itemQ5.2_2:sexMale	-0.106	-0.001	-0.014
b_itemQ5.2_20:sexMale	-0.120	0.002	-0.006
b_itemQ5.2_25:sexMale	-0.033	-0.006	-0.006

itemQ5.3_16:pl_exp.Q	0.24	0.52	-0.79	1.24	1.00	21545	12646		
itemQ5.3_19:pl_exp.Q	0.62	0.69	-0.77	1.97	1.00	21946	11687		
itemQ5.3_2:pl_exp.Q	-0.21	0.41	-1.01	0.59	1.00	21569	12883		
itemQ5.3_20:pl_exp.Q	-0.52	0.49	-1.49	0.41	1.00	21708	12201		
itemQ5.3_25:pl_exp.Q	-0.80	1.34	-3.55	1.71	1.00	17378	11875		
itemQ5.3_27:pl_exp.Q	-0.47	0.45	-1.36	0.41	1.00	20325	12248		
itemQ5.3_1:rt_exp.L	0.04	0.16	-0.29	0.33	1.00	11932	11886		
itemQ5.3_15:rt_exp.L	0.11	0.13	-0.15	0.34	1.00	12573	12127		
itemQ5.3_16:rt_exp.L	-0.15	0.10	-0.36	0.04	1.00	11606	11120		
itemQ5.3_19:rt_exp.L	-0.16	0.15	-0.47	0.11	1.00	11277	10874		
itemQ5.3_2:rt_exp.L	-0.02	0.07	-0.17	0.12	1.00	12914	12260		
itemQ5.3_20:rt_exp.L	-0.14	0.10	-0.34	0.04	1.00	11822	11637		
itemQ5.3_25:rt_exp.L	0.32	0.18	-0.03	0.67	1.00	15401	12601		
itemQ5.3_27:rt_exp.L	0.03	0.08	-0.12	0.18	1.00	11415	11911		
itemQ5.3_1:rt_exp.Q	1.33	1.41	-1.46	4.08	1.00	11663	11761		
itemQ5.3_15:rt_exp.Q	-0.15	1.17	-2.51	2.06	1.00	13400	13284		
itemQ5.3_16:rt_exp.Q	-1.52	0.86	-3.27	0.11	1.00	11168	10729		
itemQ5.3_19:rt_exp.Q	-1.22	1.19	-3.63	1.08	1.00	11316	11579		
itemQ5.3_2:rt_exp.Q	0.07	0.63	-1.20	1.30	1.00	12513	12634		
itemQ5.3_20:rt_exp.Q	-1.03	0.80	-2.62	0.50	1.00	11223	11940		
itemQ5.3_25:rt_exp.Q	-0.27	1.89	-4.18	3.27	1.00	14336	12140		
itemQ5.3_27:rt_exp.Q	0.18	0.66	-1.12	1.46	1.00	11388	12254		

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ5.3_1	0.229	-0.025	0.005
b_itemQ5.3_15	0.134	0.025	-0.028
b_itemQ5.3_16	0.150	0.029	0.010
b_itemQ5.3_19	0.196	-0.029	-0.028
b_itemQ5.3_2	0.180	-0.017	0.019
b_itemQ5.3_20	0.204	0.027	-0.011
b_itemQ5.3_25	0.187	0.020	0.006
b_itemQ5.3_27	0.230	0.022	0.023
b_itemQ5.3_1:sexMale	-0.181	0.013	0.013
b_itemQ5.3_15:sexMale	-0.108	-0.012	0.016
b_itemQ5.3_16:sexMale	-0.159	0.008	0.005
b_itemQ5.3_19:sexMale	-0.145	-0.037	-0.001
b_itemQ5.3_2:sexMale	-0.150	-0.012	-0.031
b_itemQ5.3_20:sexMale	-0.195	0.000	0.010
b_itemQ5.3_25:sexMale	-0.145	-0.013	-0.021

itemQ5.5_11:weight_class.L	3.29	2.51	-1.01	8.77	1.00	11735	10382		
itemQ5.5_12:weight_class.L	0.07	1.15	-2.03	2.49	1.00	20170	11373		
itemQ5.5_13:weight_class.L	-0.44	0.55	-1.52	0.66	1.00	19253	11026		
itemQ5.5_14:weight_class.L	-0.25	0.50	-1.24	0.74	1.00	18254	12261		
itemQ5.5_15:weight_class.L	0.27	0.49	-0.66	1.22	1.00	15900	12854		
itemQ5.5_16:weight_class.L	0.40	0.54	-0.63	1.48	1.00	16918	12412		
itemQ5.5_2:weight_class.L	0.17	1.28	-2.20	2.87	1.00	19044	11819		
itemQ5.5_3:weight_class.L	2.81	2.19	-0.57	7.99	1.00	11171	7892		
itemQ5.5_4:weight_class.L	0.15	0.50	-0.81	1.15	1.00	16044	12251		
itemQ5.5_5:weight_class.L	-0.28	1.03	-2.31	1.78	1.00	22281	12148		
itemQ5.5_6:weight_class.L	-0.74	0.46	-1.69	0.14	1.00	14562	12445		
itemQ5.5_7:weight_class.L	-0.02	0.69	-1.33	1.37	1.00	18654	10927		
itemQ5.5_8:weight_class.L	1.93	2.27	-1.82	7.10	1.00	14119	10032		
itemQ5.5_9:weight_class.L	0.03	1.29	-2.34	2.74	1.00	14438	10960		
itemQ5.5_1:weight_class.Q	0.11	0.45	-0.77	1.01	1.00	16589	12525		
itemQ5.5_10:weight_class.Q	-2.96	1.47	-6.35	-0.59	1.00	9616	8124		
itemQ5.5_11:weight_class.Q	-0.95	1.78	-4.62	2.51	1.00	12858	11363		
itemQ5.5_12:weight_class.Q	3.27	2.57	-0.65	9.36	1.00	18527	10060		
itemQ5.5_13:weight_class.Q	-0.41	0.48	-1.36	0.53	1.00	16689	12549		
itemQ5.5_14:weight_class.Q	0.33	0.49	-0.61	1.28	1.00	16431	11748		
itemQ5.5_15:weight_class.Q	-0.27	0.42	-1.11	0.56	1.00	14962	12133		
itemQ5.5_16:weight_class.Q	-0.17	0.46	-1.09	0.73	1.00	14220	11836		
itemQ5.5_2:weight_class.Q	3.58	2.68	-0.60	9.71	1.00	18576	10813		
itemQ5.5_3:weight_class.Q	-2.51	1.35	-5.64	-0.33	1.00	10575	7517		
itemQ5.5_4:weight_class.Q	-0.03	0.44	-0.90	0.84	1.00	14153	12719		
itemQ5.5_5:weight_class.Q	0.57	1.22	-1.63	3.19	1.00	20296	11100		
itemQ5.5_6:weight_class.Q	0.48	0.40	-0.29	1.27	1.00	14260	12018		
itemQ5.5_7:weight_class.Q	-0.43	0.57	-1.54	0.68	1.00	17198	13093		
itemQ5.5_8:weight_class.Q	-1.39	1.76	-4.98	2.04	1.00	14011	10871		
itemQ5.5_9:weight_class.Q	4.21	2.38	0.53	9.89	1.00	16971	10437		
itemQ5.5_1:glp.L	0.05	0.15	-0.24	0.35	1.00	15661	12604		
itemQ5.5_10:glp.L	0.19	0.22	-0.22	0.64	1.00	16587	12174		
itemQ5.5_11:glp.L	-0.10	0.51	-1.11	0.88	1.00	15377	12614		
itemQ5.5_12:glp.L	0.00	0.33	-0.66	0.65	1.00	18664	12284		

itemQ5.6_11:weight_class.L	1.95	2.58	-2.35	7.72	1.00	11012	8895		
itemQ5.6_12:weight_class.L	-0.27	0.68	-1.57	1.10	1.00	13383	10402		
itemQ5.6_13:weight_class.L	0.28	0.41	-0.53	1.10	1.00	11148	12106		
itemQ5.6_14:weight_class.L	0.79	0.42	-0.01	1.64	1.00	11301	11257		
itemQ5.6_15:weight_class.L	0.11	0.41	-0.69	0.94	1.00	11500	11736		
itemQ5.6_16:weight_class.L	-0.50	0.44	-1.37	0.37	1.00	13106	11326		
itemQ5.6_2:weight_class.L	1.27	0.92	-0.28	3.36	1.00	10113	7774		
itemQ5.6_3:weight_class.L	0.40	0.43	-0.42	1.28	1.00	12047	11253		
itemQ5.6_4:weight_class.L	0.84	0.48	-0.07	1.82	1.00	11621	11920		
itemQ5.6_5:weight_class.L	0.71	0.72	-0.58	2.23	1.00	12041	10477		
itemQ5.6_6:weight_class.L	0.27	0.45	-0.59	1.17	1.00	12188	11481		
itemQ5.6_7:weight_class.L	0.75	0.59	-0.33	1.95	1.00	13673	10807		
itemQ5.6_8:weight_class.L	-0.21	1.11	-2.26	2.10	1.00	13969	9433		
itemQ5.6_9:weight_class.L	3.49	2.30	0.05	8.89	1.00	6222	5498		
itemQ5.6_1:weight_class.Q	0.04	0.34	-0.63	0.72	1.00	11954	11746		
itemQ5.6_10:weight_class.Q	-0.11	0.60	-1.31	1.07	1.00	12133	12072		
itemQ5.6_11:weight_class.Q	-1.31	1.93	-5.30	2.27	1.00	10339	8755		
itemQ5.6_12:weight_class.Q	-0.71	0.57	-1.83	0.39	1.00	12186	11698		
itemQ5.6_13:weight_class.Q	-0.69	0.34	-1.35	-0.04	1.00	11947	11373		
itemQ5.6_14:weight_class.Q	-0.28	0.35	-0.98	0.39	1.00	11915	11272		
itemQ5.6_15:weight_class.Q	-0.64	0.34	-1.31	0.02	1.00	11403	10835		
itemQ5.6_16:weight_class.Q	-1.06	0.37	-1.79	-0.35	1.00	12991	12242		
itemQ5.6_2:weight_class.Q	-1.17	0.63	-2.52	-0.03	1.00	9638	8681		
itemQ5.6_3:weight_class.Q	-0.28	0.36	-0.99	0.42	1.00	11464	12058		
itemQ5.6_4:weight_class.Q	-0.52	0.38	-1.27	0.23	1.00	11114	11596		
itemQ5.6_5:weight_class.Q	0.83	0.68	-0.47	2.21	1.00	11653	10754		
itemQ5.6_6:weight_class.Q	0.27	0.39	-0.49	1.04	1.00	11219	12047		
itemQ5.6_7:weight_class.Q	-0.43	0.47	-1.36	0.47	1.00	12793	11940		
itemQ5.6_8:weight_class.Q	-0.15	0.99	-2.09	1.84	1.00	13723	11218		
itemQ5.6_9:weight_class.Q	-2.55	1.40	-5.76	-0.34	1.00	6462	6133		
itemQ5.6_1:glp.L	0.06	0.08	-0.10	0.22	1.00	13455	11658		
itemQ5.6_10:glp.L	-0.11	0.17	-0.45	0.23	1.00	14691	12403		
itemQ5.6_11:glp.L	0.18	0.44	-0.63	1.10	1.00	13609	10437		
itemQ5.6_12:glp.L	-0.11	0.12	-0.35	0.13	1.00	14758	11894		

```
b_itemQ5.1_27:sexMale       -0.379 -0.025  0.009
b_itemQ5.1_1:divisionRaw    -0.309 -0.039 -0.023
b_itemQ5.1_15:divisionRaw   -0.290 -0.010  0.006
b_itemQ5.1_16:divisionRaw   -0.207 -0.016 -0.004
b_itemQ5.1_19:divisionRaw   -0.288 -0.003  0.017
b_itemQ5.1_2:divisionRaw    -0.317 -0.030  0.017
b_itemQ5.1_20:divisionRaw   -0.292 -0.024  0.000
b_itemQ5.1_25:divisionRaw   -0.281  0.006 -0.008
b_itemQ5.1_27:divisionRaw   -0.248  0.034 -0.030
b_itemQ5.1_1:age.L          -0.359 -0.001  0.019
b_itemQ5.1_15:age.L         -0.409 -0.042 -0.020
b_itemQ5.1_16:age.L         -0.213  0.009 -0.007
b_itemQ5.1_19:age.L         -0.124 -0.032  0.024
b_itemQ5.1_2:age.L          -0.419 -0.021 -0.008
b_itemQ5.1_20:age.L         -0.387 -0.009 -0.012
b_itemQ5.1_25:age.L         -0.284 -0.015  0.012
b_itemQ5.1_27:age.L         -0.257 -0.023 -0.003
b_itemQ5.1_1:age.Q          -0.382 -0.005  0.010
b_itemQ5.1_15:age.Q         -0.397 -0.006  0.003
b_itemQ5.1_16:age.Q         -0.243  0.036 -0.038
b_itemQ5.1_19:age.Q         -0.135 -0.025  0.017
b_itemQ5.1_2:age.Q          -0.406  0.013 -0.031
b_itemQ5.1_20:age.Q         -0.408 -0.012 -0.012
b_itemQ5.1_25:age.Q         -0.313  0.007  0.009
b_itemQ5.1_27:age.Q         -0.293 -0.013  0.024
b_itemQ5.1_1:weight_class.L -0.400 -0.007  0.013
b_itemQ5.1_15:weight_class.L -0.398 -0.020 -0.018
b_itemQ5.1_16:weight_class.L -0.361 -0.012 -0.005
b_itemQ5.1_19:weight_class.L -0.304  0.007  0.004
b_itemQ5.1_2:weight_class.L -0.400 -0.031  0.018
b_itemQ5.1_20:weight_class.L -0.423 -0.034 -0.006
b_itemQ5.1_25:weight_class.L -0.108  0.028 -0.022
b_itemQ5.1_27:weight_class.L -0.395 -0.038  0.006
b_itemQ5.1_1:weight_class.Q -0.415  0.030 -0.011
b_itemQ5.1_15:weight_class.Q -0.441  0.031 -0.010
b_itemQ5.1_16:weight_class.Q -0.368  0.003  0.036
b_itemQ5.1_19:weight_class.Q -0.337  0.000 -0.023
b_itemQ5.1_2:weight_class.Q -0.365  0.021  0.017
b_itemQ5.1_20:weight_class.Q -0.428  0.022  0.026
b_itemQ5.1_25:weight_class.Q -0.159  0.016  0.000
b_itemQ5.1_27:weight_class.Q -0.391 -0.019  0.019
b_itemQ5.1_1:glp.L          -0.405 -0.053  0.017
b_itemQ5.1_15:glp.L         -0.415 -0.041  0.008
b_itemQ5.1_16:glp.L         -0.317 -0.037 -0.014
b_itemQ5.1_19:glp.L         -0.333 -0.024  0.009
b_itemQ5.1_2:glp.L          -0.366  0.023 -0.004
b_itemQ5.1_20:glp.L         -0.392  0.006  0.010
b_itemQ5.1_25:glp.L         -0.238  0.008  0.003
b_itemQ5.1_27:glp.L         -0.415 -0.024  0.003
b_itemQ5.1_1:glp.Q          -0.416 -0.018 -0.022
b_itemQ5.1_15:glp.Q         -0.414 -0.031 -0.006
b_itemQ5.1_16:glp.Q         -0.304 -0.010 -0.005
b_itemQ5.1_19:glp.Q         -0.338 -0.010 -0.030
b_itemQ5.1_2:glp.Q          -0.394 -0.047 -0.013
b_itemQ5.1_20:glp.Q         -0.408 -0.001 -0.013
b_itemQ5.1_25:glp.Q         -0.279  0.027  0.037
b_itemQ5.1_27:glp.Q         -0.371 -0.019 -0.020
b_itemQ5.1_1:pl_exp.L       -0.420 -0.034  0.009
b_itemQ5.1_15:pl_exp.L      -0.435 -0.014 -0.012
b_itemQ5.1_16:pl_exp.L      -0.368 -0.010  0.028
b_itemQ5.1_19:pl_exp.L      -0.427  0.001  0.004
b_itemQ5.1_2:pl_exp.L       -0.418 -0.016  0.015
b_itemQ5.1_20:pl_exp.L      -0.405  0.007  0.017
b_itemQ5.1_25:pl_exp.L      -0.207 -0.045  0.036
b_itemQ5.1_27:pl_exp.L      -0.353 -0.008 -0.004
b_itemQ5.1_1:pl_exp.Q       -0.365 -0.019  0.019
b_itemQ5.1_15:pl_exp.Q      -0.386 -0.041 -0.018
b_itemQ5.1_16:pl_exp.Q      -0.343 -0.015 -0.007
b_itemQ5.1_19:pl_exp.Q      -0.381 -0.044 -0.020
```

```
b_itemQ5.2_27:sexMale       -0.088 -0.001 -0.021
b_itemQ5.2_1:divisionRaw     0.263  0.036  0.001
b_itemQ5.2_15:divisionRaw    0.278  0.018 -0.002
b_itemQ5.2_16:divisionRaw    0.329  0.003  0.026
b_itemQ5.2_19:divisionRaw    0.211 -0.009 -0.006
b_itemQ5.2_2:divisionRaw     0.243 -0.002 -0.001
b_itemQ5.2_20:divisionRaw    0.166 -0.004 -0.006
b_itemQ5.2_25:divisionRaw    0.145 -0.019 -0.011
b_itemQ5.2_27:divisionRaw    0.198 -0.001 -0.001
b_itemQ5.2_1:age.L           0.161  0.002  0.011
b_itemQ5.2_15:age.L         -0.078  0.014 -0.008
b_itemQ5.2_16:age.L         -0.084  0.000 -0.033
b_itemQ5.2_19:age.L         -0.089  0.011 -0.031
b_itemQ5.2_2:age.L          -0.117  0.031  0.006
b_itemQ5.2_20:age.L         -0.136 -0.009  0.001
b_itemQ5.2_25:age.L         -0.064 -0.019 -0.005
b_itemQ5.2_27:age.L         -0.136 -0.004  0.003
b_itemQ5.2_1:age.Q           0.153  0.003 -0.008
b_itemQ5.2_15:age.Q         -0.098 -0.005 -0.005
b_itemQ5.2_16:age.Q         -0.106 -0.013 -0.005
b_itemQ5.2_19:age.Q         -0.139 -0.045 -0.020
b_itemQ5.2_2:age.Q          -0.066  0.005  0.003
b_itemQ5.2_20:age.Q         -0.118  0.015  0.028
b_itemQ5.2_25:age.Q         -0.032  0.016  0.041
b_itemQ5.2_27:age.Q         -0.102 -0.006  0.010
b_itemQ5.2_1:weight_class.L -0.064  0.008  0.002
b_itemQ5.2_15:weight_class.L -0.159 -0.014  0.007
b_itemQ5.2_16:weight_class.L -0.162 -0.023  0.013
b_itemQ5.2_19:weight_class.L -0.118 -0.004  0.008
b_itemQ5.2_2:weight_class.L -0.083 -0.006  0.019
b_itemQ5.2_20:weight_class.L -0.143 -0.011 -0.007
b_itemQ5.2_25:weight_class.L -0.155 -0.032  0.001
b_itemQ5.2_27:weight_class.L -0.082  0.015  0.020
b_itemQ5.2_1:weight_class.Q -0.178  0.000 -0.042
b_itemQ5.2_15:weight_class.Q -0.151 -0.037 -0.013
b_itemQ5.2_16:weight_class.Q -0.133 -0.006 -0.026
b_itemQ5.2_19:weight_class.Q -0.158  0.016 -0.038
b_itemQ5.2_2:weight_class.Q -0.131  0.032 -0.020
b_itemQ5.2_20:weight_class.Q -0.154 -0.013 -0.007
b_itemQ5.2_25:weight_class.Q -0.097 -0.007  0.038
b_itemQ5.2_27:weight_class.Q -0.151 -0.015 -0.008
b_itemQ5.2_1:glp.L          -0.107  0.011 -0.010
b_itemQ5.2_15:glp.L         -0.113  0.011 -0.014
b_itemQ5.2_16:glp.L         -0.124  0.014 -0.005
b_itemQ5.2_19:glp.L         -0.040 -0.001  0.012
b_itemQ5.2_2:glp.L          -0.115 -0.016  0.013
b_itemQ5.2_20:glp.L         -0.052  0.002  0.015
b_itemQ5.2_25:glp.L         -0.066  0.015  0.010
b_itemQ5.2_27:glp.L         -0.123 -0.025  0.004
b_itemQ5.2_1:glp.Q          -0.101  0.001  0.001
b_itemQ5.2_15:glp.Q         -0.143 -0.012  0.005
b_itemQ5.2_16:glp.Q         -0.107  0.003  0.040
b_itemQ5.2_19:glp.Q         -0.131  0.002  0.016
b_itemQ5.2_2:glp.Q          -0.110 -0.014 -0.028
b_itemQ5.2_20:glp.Q         -0.100 -0.018  0.022
b_itemQ5.2_25:glp.Q         -0.036  0.014  0.005
b_itemQ5.2_27:glp.Q         -0.115  0.006 -0.013
b_itemQ5.2_1:pl_exp.L       -0.076 -0.019  0.008
b_itemQ5.2_15:pl_exp.L      -0.173  0.000 -0.008
b_itemQ5.2_16:pl_exp.L      -0.130  0.004  0.000
b_itemQ5.2_19:pl_exp.L      -0.167 -0.015  0.033
b_itemQ5.2_2:pl_exp.L       -0.089 -0.008  0.017
b_itemQ5.2_20:pl_exp.L      -0.010 -0.011 -0.004
b_itemQ5.2_25:pl_exp.L      -0.147 -0.046 -0.027
b_itemQ5.2_27:pl_exp.L      -0.165 -0.023  0.002
b_itemQ5.2_1:pl_exp.Q       -0.172 -0.030  0.005
b_itemQ5.2_15:pl_exp.Q      -0.037 -0.008 -0.004
b_itemQ5.2_16:pl_exp.Q      -0.147 -0.008  0.024
b_itemQ5.2_19:pl_exp.Q      -0.120 -0.013 -0.008
```

```
b_itemQ5.3_27:sexMale       -0.176 -0.019  0.013
b_itemQ5.3_1:divisionRaw     0.210 -0.019 -0.001
b_itemQ5.3_15:divisionRaw    0.101  0.030 -0.022
b_itemQ5.3_16:divisionRaw    0.102  0.025  0.025
b_itemQ5.3_19:divisionRaw    0.159 -0.034 -0.016
b_itemQ5.3_2:divisionRaw     0.158  0.006  0.022
b_itemQ5.3_20:divisionRaw    0.161  0.027 -0.014
b_itemQ5.3_25:divisionRaw    0.169  0.010  0.001
b_itemQ5.3_27:divisionRaw    0.222  0.015  0.024
b_itemQ5.3_1:age.L           0.028 -0.014 -0.005
b_itemQ5.3_15:age.L         -0.121  0.014 -0.018
b_itemQ5.3_16:age.L         -0.117 -0.004 -0.010
b_itemQ5.3_19:age.L         -0.162 -0.031  0.012
b_itemQ5.3_2:age.L          -0.180 -0.012 -0.003
b_itemQ5.3_20:age.L         -0.141 -0.015  0.021
b_itemQ5.3_25:age.L         -0.029 -0.028  0.000
b_itemQ5.3_27:age.L         -0.207 -0.013  0.000
b_itemQ5.3_1:age.Q          -0.031  0.010 -0.006
b_itemQ5.3_15:age.Q         -0.231 -0.018 -0.001
b_itemQ5.3_16:age.Q         -0.227 -0.012 -0.005
b_itemQ5.3_19:age.Q         -0.275  0.018  0.015
b_itemQ5.3_2:age.Q          -0.201  0.004  0.000
b_itemQ5.3_20:age.Q         -0.257  0.000 -0.012
b_itemQ5.3_25:age.Q         -0.100  0.008  0.023
b_itemQ5.3_27:age.Q         -0.133  0.008 -0.001
b_itemQ5.3_1:weight_class.L -0.256  0.009  0.002
b_itemQ5.3_15:weight_class.L -0.177  0.021 -0.003
b_itemQ5.3_16:weight_class.L -0.234 -0.022  0.045
b_itemQ5.3_19:weight_class.L -0.200  0.000 -0.047
b_itemQ5.3_2:weight_class.L -0.167  0.000 -0.010
b_itemQ5.3_20:weight_class.L -0.241 -0.012 -0.011
b_itemQ5.3_25:weight_class.L -0.182 -0.005 -0.012
b_itemQ5.3_27:weight_class.L -0.195 -0.012 -0.005
b_itemQ5.3_1:weight_class.Q -0.194 -0.035 -0.024
b_itemQ5.3_15:weight_class.Q -0.238 -0.029  0.026
b_itemQ5.3_16:weight_class.Q -0.217  0.004  0.010
b_itemQ5.3_19:weight_class.Q -0.147  0.006 -0.019
b_itemQ5.3_2:weight_class.Q -0.172  0.003  0.018
b_itemQ5.3_20:weight_class.Q -0.177 -0.004  0.003
b_itemQ5.3_25:weight_class.Q -0.190  0.019 -0.008
b_itemQ5.3_27:weight_class.Q -0.227  0.009  0.008
b_itemQ5.3_1:glp.L          -0.063 -0.004 -0.010
b_itemQ5.3_15:glp.L         -0.219  0.001 -0.002
b_itemQ5.3_16:glp.L         -0.200 -0.010 -0.002
b_itemQ5.3_19:glp.L         -0.112  0.000 -0.007
b_itemQ5.3_2:glp.L          -0.224 -0.017  0.006
b_itemQ5.3_20:glp.L         -0.223 -0.003 -0.043
b_itemQ5.3_25:glp.L         -0.169 -0.013 -0.001
b_itemQ5.3_27:glp.L         -0.207 -0.051  0.041
b_itemQ5.3_1:glp.Q          -0.095 -0.033  0.021
b_itemQ5.3_15:glp.Q         -0.195 -0.012  0.014
b_itemQ5.3_16:glp.Q         -0.198 -0.019  0.020
b_itemQ5.3_19:glp.Q         -0.167 -0.017 -0.007
b_itemQ5.3_2:glp.Q          -0.234 -0.002 -0.013
b_itemQ5.3_20:glp.Q         -0.220 -0.013 -0.003
b_itemQ5.3_25:glp.Q         -0.180 -0.048  0.004
b_itemQ5.3_27:glp.Q         -0.208 -0.005 -0.043
b_itemQ5.3_1:pl_exp.L       -0.216 -0.031  0.002
b_itemQ5.3_15:pl_exp.L      -0.220 -0.030  0.023
b_itemQ5.3_16:pl_exp.L      -0.198 -0.008 -0.048
b_itemQ5.3_19:pl_exp.L      -0.196 -0.045  0.004
b_itemQ5.3_2:pl_exp.L       -0.240 -0.023 -0.013
b_itemQ5.3_20:pl_exp.L      -0.249  0.007  0.033
b_itemQ5.3_25:pl_exp.L      -0.164 -0.012  0.010
b_itemQ5.3_27:pl_exp.L      -0.186 -0.001 -0.004
b_itemQ5.3_1:pl_exp.Q       -0.150  0.003  0.003
b_itemQ5.3_15:pl_exp.Q      -0.179 -0.003 -0.012
b_itemQ5.3_16:pl_exp.Q      -0.159 -0.002 -0.019
b_itemQ5.3_19:pl_exp.Q      -0.215 -0.021  0.011
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itemQ5.5_13:glp.L    0.19  0.13  -0.06  0.45 1.00
15539  11749
itemQ5.5_14:glp.L    0.10  0.13  -0.16  0.37 1.00
15999  12236
itemQ5.5_15:glp.L    0.03  0.12  -0.20  0.27 1.00
15195  12063
itemQ5.5_16:glp.L    0.05  0.12  -0.19  0.30 1.00
15194  12459
itemQ5.5_2:glp.L     0.07  0.41  -0.73  0.88 1.00
16180  11886
itemQ5.5_3:glp.L     0.08  0.24  -0.39  0.56 1.00
19511  13190
itemQ5.5_4:glp.L    -0.35  0.12  -0.60 -0.12 1.00
14974  11932
itemQ5.5_5:glp.L    -0.33  0.29  -0.92  0.20 1.00
20084  12016
itemQ5.5_6:glp.L    -0.07  0.10  -0.28  0.13 1.00
15991  13017
itemQ5.5_7:glp.L     0.29  0.22  -0.12  0.73 1.00
17059  12800
itemQ5.5_8:glp.L     0.22  0.47  -0.70  1.13 1.00
16818  11672
itemQ5.5_9:glp.L    -0.46  0.40  -1.28  0.28 1.00
13126  12246
itemQ5.5_1:glp.Q    -3.76  2.54  -9.05  0.85 1.00
20675  12271
itemQ5.5_10:glp.Q   -0.99  3.22  -7.47  5.23 1.00
19212  13302
itemQ5.5_11:glp.Q   -3.12  4.48 -12.11  5.51 1.00
22771  12811
itemQ5.5_12:glp.Q   -2.77  3.86 -10.51  4.58 1.00
23743  12161
itemQ5.5_13:glp.Q    3.09  2.01  -0.90  7.01 1.00
17463  12989
itemQ5.5_14:glp.Q   -0.55  2.06  -4.76  3.32 1.00
17420  12474
itemQ5.5_15:glp.Q   -2.11  1.96  -6.11  1.54 1.00
19010  12801
itemQ5.5_16:glp.Q   -1.47  1.94  -5.43  2.18 1.00
18855  13045
itemQ5.5_2:glp.Q    -5.42  4.10 -13.84  2.17 1.00
25261  12535
itemQ5.5_3:glp.Q    -1.71  3.36  -8.61  4.55 1.00
21177  12885
itemQ5.5_4:glp.Q     1.96  1.92  -1.88  5.71 1.00
19920  12305
itemQ5.5_5:glp.Q    -0.30  3.61  -7.67  6.54 1.00
22963  11729
itemQ5.5_6:glp.Q     1.96  1.67  -1.24  5.29 1.00
18705  12125
itemQ5.5_7:glp.Q    -9.30  3.69 -16.81 -2.29 1.00
21532  12571
[ reached getOption("max.print") -- omitted 66 rows ]

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation
                Lag_1  Lag_5 Lag_10
b_itemQ5.5_1    0.064 -0.008  0.007
b_itemQ5.5_10   0.028  0.007 -0.004
b_itemQ5.5_11  -0.040  0.010 -0.021
b_itemQ5.5_12  -0.023  0.000 -0.002
b_itemQ5.5_13   0.034  0.033 -0.002
b_itemQ5.5_14  -0.012  0.009  0.023
```

```
itemQ5.6_13:glp.L   -0.07  0.08  -0.22  0.09 1.00
11997  11865
itemQ5.6_14:glp.L   -0.09  0.08  -0.24  0.07 1.00
12692  11429
itemQ5.6_15:glp.L   -0.04  0.08  -0.20  0.12 1.00
12176  11491
itemQ5.6_16:glp.L   -0.22  0.09  -0.40 -0.05 1.00
13308  12259
itemQ5.6_2:glp.L    -0.04  0.15  -0.32  0.25 1.00
14121  11170
itemQ5.6_3:glp.L     0.09  0.08  -0.07  0.26 1.00
12885  11859
itemQ5.6_4:glp.L     0.23  0.10   0.04  0.43 1.00
12476  10621
itemQ5.6_5:glp.L     0.02  0.15  -0.28  0.33 1.00
14005  11353
itemQ5.6_6:glp.L     0.05  0.09  -0.12  0.23 1.00
12463  11330
itemQ5.6_7:glp.L    -0.00  0.11  -0.22  0.22 1.00
13565  11568
itemQ5.6_8:glp.L     0.09  0.28  -0.43  0.68 1.00
14106  10774
itemQ5.6_9:glp.L    -0.16  0.18  -0.51  0.19 1.00
14029  12146
itemQ5.6_1:glp.Q    -0.29  1.44  -3.11  2.53 1.00
14066  12870
itemQ5.6_10:glp.Q   -5.97  3.03 -12.29 -0.47 1.00
16274  11031
itemQ5.6_11:glp.Q   -4.21  4.10 -12.46  3.51 1.00
15933  11127
itemQ5.6_12:glp.Q    1.80  1.97  -2.15  5.57 1.00
12959  11119
itemQ5.6_13:glp.Q   -0.91  1.44  -3.78  1.89 1.00
12287  11585
itemQ5.6_14:glp.Q    1.69  1.45  -1.15  4.56 1.00
13801  12522
itemQ5.6_15:glp.Q    0.48  1.45  -2.41  3.34 1.00
13746  11730
itemQ5.6_16:glp.Q    0.72  1.59  -2.48  3.83 1.00
14023  12112
itemQ5.6_2:glp.Q    -4.27  2.73 -10.04  0.74 1.00
16744  10364
itemQ5.6_3:glp.Q     1.26  1.51  -1.73  4.21 1.00
13668  12025
itemQ5.6_4:glp.Q    -0.71  1.71  -4.17  2.54 1.00
12560  10809
itemQ5.6_5:glp.Q    -4.66  2.65 -10.26  0.12 1.00
16079  11219
itemQ5.6_6:glp.Q     0.56  1.49  -2.38  3.51 1.00
13725  12455
itemQ5.6_7:glp.Q    -1.66  2.00  -5.77  2.00 1.00
15534  10898
[ reached getOption("max.print") -- omitted 66 rows ]

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation
                Lag_1  Lag_5 Lag_10
b_itemQ5.6_1    0.350  0.001  0.008
b_itemQ5.6_10   0.347  0.007  0.018
b_itemQ5.6_11   0.364 -0.001  0.010
b_itemQ5.6_12   0.305  0.027 -0.005
b_itemQ5.6_13   0.328  0.014  0.010
b_itemQ5.6_14   0.348  0.020  0.004
```

b_itemQ5.1_2:pl_exp.Q -0.367 -0.016 0.002	b_itemQ5.2_2:pl_exp.Q -0.026 -0.029 0.003	b_itemQ5.3_2:pl_exp.Q -0.167 -0.017 -0.025		b_itemQ5.5_15 0.014 -0.008 0.007	b_itemQ5.6_15 0.323 0.005 -0.039
b_itemQ5.1_20:pl_exp.Q -0.355 0.004 0.007	b_itemQ5.2_20:pl_exp.Q -0.035 0.002 -0.020	b_itemQ5.3_20:pl_exp.Q -0.208 0.002 -0.010		b_itemQ5.5_16 0.076 0.014 -0.047	b_itemQ5.6_16 0.296 0.006 -0.002
b_itemQ5.1_25:pl_exp.Q -0.278 -0.012 0.012	b_itemQ5.2_25:pl_exp.Q -0.068 -0.001 -0.003	b_itemQ5.3_25:pl_exp.Q -0.105 0.007 0.006		b_itemQ5.5_2 -0.006 0.007 0.016	b_itemQ5.6_2 0.291 0.015 0.003
b_itemQ5.1_27:pl_exp.Q -0.333 -0.043 0.005	b_itemQ5.2_27:pl_exp.Q -0.113 0.004 -0.026	b_itemQ5.3_27:pl_exp.Q -0.180 -0.014 0.000		b_itemQ5.5_3 0.035 -0.016 0.016	b_itemQ5.6_3 0.369 0.046 0.018
b_itemQ5.1_1:rt_exp.L -0.284 0.000 0.018	b_itemQ5.2_1:rt_exp.L 0.145 0.004 -0.029	b_itemQ5.3_1:rt_exp.L 0.060 0.006 -0.008		b_itemQ5.5_4 0.087 0.022 0.018	b_itemQ5.6_4 0.371 0.023 0.022
b_itemQ5.1_15:rt_exp.L -0.321 0.024 0.006	b_itemQ5.2_15:rt_exp.L 0.150 -0.016 0.011	b_itemQ5.3_15:rt_exp.L 0.067 0.027 -0.039		b_itemQ5.5_5 -0.019 0.013 -0.001	b_itemQ5.6_5 0.358 0.006 -0.016
b_itemQ5.1_16:rt_exp.L -0.296 -0.009 0.011	b_itemQ5.2_16:rt_exp.L 0.197 -0.006 -0.004	b_itemQ5.3_16:rt_exp.L 0.121 0.023 0.004		b_itemQ5.5_6 0.016 0.015 -0.004	b_itemQ5.6_6 0.289 0.003 -0.021
b_itemQ5.1_19:rt_exp.L -0.267 -0.016 0.001	b_itemQ5.2_19:rt_exp.L 0.243 0.013 -0.004	b_itemQ5.3_19:rt_exp.L 0.175 0.004 0.005		b_itemQ5.5_7 0.067 0.029 -0.004	b_itemQ5.6_7 0.337 0.028 -0.006
b_itemQ5.1_2:rt_exp.L -0.327 0.013 0.013	b_itemQ5.2_2:rt_exp.L 0.220 0.010 -0.003	b_itemQ5.3_2:rt_exp.L 0.102 -0.021 0.000		b_itemQ5.5_8 -0.069 0.021 0.029	b_itemQ5.6_8 0.342 0.048 -0.011
b_itemQ5.1_20:rt_exp.L -0.347 -0.009 -0.012	b_itemQ5.2_20:rt_exp.L 0.274 -0.009 -0.009	b_itemQ5.3_20:rt_exp.L 0.159 0.002 -0.017		b_itemQ5.5_9 -0.013 -0.001 -0.005	b_itemQ5.6_9 0.359 0.053 0.016
b_itemQ5.1_25:rt_exp.L -0.264 -0.039 0.012	b_itemQ5.2_25:rt_exp.L 0.188 0.012 0.025	b_itemQ5.3_25:rt_exp.L -0.014 0.011 0.009		b_itemQ5.5_1:sexMale -0.196 0.023 0.003	b_itemQ5.6_1:sexMale 0.103 0.027 0.019
b_itemQ5.1_27:rt_exp.L -0.274 -0.005 0.005	b_itemQ5.2_27:rt_exp.L 0.168 -0.006 -0.003	b_itemQ5.3_27:rt_exp.L 0.134 0.025 0.012		b_itemQ5.5_10:sexMale -0.132 -0.010 0.021	b_itemQ5.6_10:sexMale 0.041 0.020 -0.001
b_itemQ5.1_1:rt_exp.Q -0.283 0.003 0.000	b_itemQ5.2_1:rt_exp.Q 0.146 0.000 0.000	b_itemQ5.3_1:rt_exp.Q 0.037 -0.009 -0.004		b_itemQ5.5_11:sexMale -0.097 -0.022 -0.007	b_itemQ5.6_11:sexMale 0.031 -0.010 0.004
b_itemQ5.1_15:rt_exp.Q -0.328 0.011 -0.006	b_itemQ5.2_15:rt_exp.Q 0.161 -0.025 0.017	b_itemQ5.3_15:rt_exp.Q 0.067 0.024 -0.038		b_itemQ5.5_12:sexMale -0.137 -0.011 0.013	b_itemQ5.6_12:sexMale 0.090 0.004 0.007
b_itemQ5.1_16:rt_exp.Q -0.311 0.003 0.019	b_itemQ5.2_16:rt_exp.Q 0.223 0.007 -0.010	b_itemQ5.3_16:rt_exp.Q 0.148 0.023 -0.016		b_itemQ5.5_13:sexMale -0.197 0.000 0.015	b_itemQ5.6_13:sexMale 0.090 0.015 0.009
b_itemQ5.1_19:rt_exp.Q -0.272 -0.019 -0.004	b_itemQ5.2_19:rt_exp.Q 0.271 0.004 0.001	b_itemQ5.3_19:rt_exp.Q 0.171 0.015 0.030		b_itemQ5.5_14:sexMale -0.217 -0.029 -0.013	b_itemQ5.6_14:sexMale 0.100 -0.007 0.006
b_itemQ5.1_2:rt_exp.Q -0.302 0.007 0.011	b_itemQ5.2_2:rt_exp.Q 0.249 0.002 0.000	b_itemQ5.3_2:rt_exp.Q 0.139 -0.010 -0.007		b_itemQ5.5_15:sexMale -0.199 -0.002 -0.026	b_itemQ5.6_15:sexMale 0.085 0.033 0.017
b_itemQ5.1_20:rt_exp.Q -0.324 0.002 -0.025	b_itemQ5.2_20:rt_exp.Q 0.266 -0.010 -0.021	b_itemQ5.3_20:rt_exp.Q 0.169 0.025 -0.010		b_itemQ5.5_16:sexMale -0.217 0.013 0.011	b_itemQ5.6_16:sexMale 0.049 0.033 0.005
b_itemQ5.1_25:rt_exp.Q -0.253 -0.038 0.019	b_itemQ5.2_25:rt_exp.Q 0.161 0.000 0.007	b_itemQ5.3_25:rt_exp.Q -0.003 -0.022 -0.006		b_itemQ5.5_2:sexMale -0.219 -0.022 -0.018	b_itemQ5.6_2:sexMale 0.011 0.017 0.017
b_itemQ5.1_27:rt_exp.Q -0.291 -0.008 -0.019	b_itemQ5.2_27:rt_exp.Q 0.175 -0.002 -0.016	b_itemQ5.3_27:rt_exp.Q 0.147 0.010 0.017		b_itemQ5.5_3:sexMale -0.281 -0.002 -0.004	b_itemQ5.6_3:sexMale 0.084 -0.010 -0.010
b_Intercept NA NA NA	b_Intercept NA NA NA	b_Intercept NA NA NA		b_itemQ5.5_4:sexMale -0.169 0.015 -0.005	b_itemQ5.6_4:sexMale 0.119 0.059 0.016
b_sexMale NA NA NA	b_sexMale NA NA NA	b_sexMale NA NA NA		b_itemQ5.5_5:sexMale -0.193 0.008 0.028	b_itemQ5.6_5:sexMale 0.063 0.033 0.029
b_divisionRaw NA NA NA	b_divisionRaw NA NA NA	b_divisionRaw NA NA NA		b_itemQ5.5_6:sexMale -0.175 0.026 -0.020	b_itemQ5.6_6:sexMale 0.049 0.013 0.017
b_age.L NA NA NA	b_age.L NA NA NA	b_age.L NA NA NA		b_itemQ5.5_7:sexMale -0.235 -0.030 -0.025	b_itemQ5.6_7:sexMale -0.035 0.003 0.000
b_weight_class.L NA NA NA	b_weight_class.L NA NA NA	b_weight_class.L NA NA NA		b_itemQ5.5_8:sexMale -0.182 0.018 -0.004	b_itemQ5.6_8:sexMale 0.154 0.018 0.013
b_glp.L NA NA NA	b_glp.L NA NA NA	b_glp.L NA NA NA		b_itemQ5.5_9:sexMale -0.106 0.011 -0.007	b_itemQ5.6_9:sexMale 0.177 0.016 0.013
b_pl_exp.L NA NA NA	b_pl_exp.L NA NA NA	b_pl_exp.L NA NA NA		b_itemQ5.5_1:divisionRaw 0.053 0.001 0.001	b_itemQ5.6_1:divisionRaw 0.301 -0.002 -0.007
b_rt_exp.L NA NA NA	b_rt_exp.L NA NA NA	b_rt_exp.L NA NA NA		b_itemQ5.5_10:divisionRaw -0.108 0.017 -0.021	b_itemQ5.6_10:divisionRaw 0.252 0.013 0.009
r_ResponseId__Intercept NA NA NA	r_ResponseId__Intercept NA NA NA	r_ResponseId__Intercept NA NA NA		b_itemQ5.5_11:divisionRaw -0.033 -0.005 -0.039	b_itemQ5.6_11:divisionRaw 0.264 0.016 0.017
				b_itemQ5.5_12:divisionRaw -0.132 -0.009 -0.014	b_itemQ5.6_12:divisionRaw 0.229 0.036 -0.028
				b_itemQ5.5_13:divisionRaw -0.007 0.030 -0.021	b_itemQ5.6_13:divisionRaw 0.299 0.025 0.011
				b_itemQ5.5_14:divisionRaw -0.022 -0.002 0.026	b_itemQ5.6_14:divisionRaw 0.316 0.023 -0.003
				b_itemQ5.5_15:divisionRaw 0.015 -0.021 0.008	b_itemQ5.6_15:divisionRaw 0.302 0.004 -0.036
				b_itemQ5.5_16:divisionRaw 0.062 0.009 -0.036	b_itemQ5.6_16:divisionRaw 0.241 -0.003 -0.010
				b_itemQ5.5_2:divisionRaw -0.026 -0.008 0.029	b_itemQ5.6_2:divisionRaw 0.253 0.018 0.005
				b_itemQ5.5_3:divisionRaw -0.105 -0.016 0.019	b_itemQ5.6_3:divisionRaw 0.315 0.041 0.009
				b_itemQ5.5_4:divisionRaw 0.057 0.020 0.011	b_itemQ5.6_4:divisionRaw 0.303 0.019 0.007
				b_itemQ5.5_5:divisionRaw -0.141 0.004 -0.009	b_itemQ5.6_5:divisionRaw 0.250 0.003 0.016
				b_itemQ5.5_6:divisionRaw -0.002 0.032 -0.009	b_itemQ5.6_6:divisionRaw 0.226 -0.004 -0.027
				b_itemQ5.5_7:divisionRaw 0.042 0.019 -0.009	b_itemQ5.6_7:divisionRaw 0.317 0.019 -0.016
				b_itemQ5.5_8:divisionRaw -0.142 0.009 0.026	b_itemQ5.6_8:divisionRaw 0.233 0.026 -0.012
				b_itemQ5.5_9:divisionRaw -0.069 -0.012 0.015	b_itemQ5.6_9:divisionRaw 0.146 -0.002 -0.009
				b_itemQ5.5_1:age.L -0.178 -0.024 0.016	b_itemQ5.6_1:age.L 0.083 0.040 0.009
				b_itemQ5.5_10:age.L -0.140 0.006 0.014	b_itemQ5.6_10:age.L 0.070 -0.020 0.018
				b_itemQ5.5_11:age.L -0.073 -0.010 0.014	b_itemQ5.6_11:age.L 0.185 0.039 0.028
				b_itemQ5.5_12:age.L -0.128 -0.019 -0.014	b_itemQ5.6_12:age.L -0.006 0.023 -0.043
				b_itemQ5.5_13:age.L -0.021 0.026 0.007	b_itemQ5.6_13:age.L 0.104 0.016 -0.015
				b_itemQ5.5_14:age.L -0.142 0.017 -0.012	b_itemQ5.6_14:age.L 0.093 0.005 0.006
				b_itemQ5.5_15:age.L -0.091 -0.013 0.013	b_itemQ5.6_15:age.L 0.047 0.013 0.005
				b_itemQ5.5_16:age.L -0.139 -0.003 -0.013	b_itemQ5.6_16:age.L 0.076 0.016 0.007
				b_itemQ5.5_2:age.L -0.061 0.012 -0.020	b_itemQ5.6_2:age.L 0.053 -0.003 0.038
				b_itemQ5.5_3:age.L -0.089 -0.021 0.011	b_itemQ5.6_3:age.L 0.060 0.036 0.029
				b_itemQ5.5_4:age.L -0.083 -0.014 -0.005	b_itemQ5.6_4:age.L 0.057 0.024 -0.012
				b_itemQ5.5_5:age.L 0.009 -0.015 -0.009	b_itemQ5.6_5:age.L 0.076 0.026 -0.010
				b_itemQ5.5_6:age.L -0.138 -0.007 -0.004	b_itemQ5.6_6:age.L 0.045 0.009 0.008
				b_itemQ5.5_7:age.L -0.148 -0.021 0.009	b_itemQ5.6_7:age.L 0.108 0.024 -0.035
				b_itemQ5.5_8:age.L -0.156 -0.016 -0.020	b_itemQ5.6_8:age.L 0.286 0.035 -0.027
				b_itemQ5.5_9:age.L -0.130 0.008 0.005	b_itemQ5.6_9:age.L 0.148 0.039 0.007
				b_itemQ5.5_1:age.Q -0.168 0.027 0.008	b_itemQ5.6_1:age.Q 0.046 0.040 0.009
				b_itemQ5.5_10:age.Q -0.173 -0.014 -0.005	b_itemQ5.6_10:age.Q -0.008 0.010 -0.009
				b_itemQ5.5_11:age.Q -0.068 -0.005 0.031	b_itemQ5.6_11:age.Q 0.154 0.028 -0.004
				b_itemQ5.5_12:age.Q -0.099 -0.034 -0.014	b_itemQ5.6_12:age.Q 0.032 0.026 0.028
				b_itemQ5.5_13:age.Q -0.067 0.011 -0.004	b_itemQ5.6_13:age.Q 0.058 0.027 0.010
				b_itemQ5.5_14:age.Q -0.143 -0.011 -0.023	b_itemQ5.6_14:age.Q 0.034 0.042 0.004
				b_itemQ5.5_15:age.Q -0.109 -0.010 0.007	b_itemQ5.6_15:age.Q 0.070 0.022 -0.002
				b_itemQ5.5_16:age.Q -0.146 0.007 -0.031	b_itemQ5.6_16:age.Q 0.054 0.035 -0.003
				b_itemQ5.5_2:age.Q -0.094 0.001 0.010	b_itemQ5.6_2:age.Q 0.012 -0.001 0.009
				b_itemQ5.5_3:age.Q -0.034 -0.027 0.004	b_itemQ5.6_3:age.Q 0.087 0.034 0.001
				b_itemQ5.5_4:age.Q -0.095 -0.018 -0.008	b_itemQ5.6_4:age.Q 0.033 0.030 -0.023

				b_itemQ5.5_5:age.Q -0.009 -0.003 0.003 b_itemQ5.5_6:age.Q -0.124 0.006 -0.016 b_itemQ5.5_7:age.Q -0.165 -0.024 -0.009 b_itemQ5.5_8:age.Q -0.118 -0.003 0.015 b_itemQ5.5_9:age.Q -0.049 -0.002 -0.032 b_itemQ5.5_1:weight_class.L -0.200 -0.039 0.015 b_itemQ5.5_10:weight_class.L 0.133 -0.002 -0.004 b_itemQ5.5_11:weight_class.L 0.026 -0.021 -0.009 b_itemQ5.5_12:weight_class.L -0.226 0.003 0.003 b_itemQ5.5_13:weight_class.L -0.205 0.016 -0.005 b_itemQ5.5_14:weight_class.L -0.194 0.027 -0.003 b_itemQ5.5_15:weight_class.L -0.167 -0.018 -0.008 b_itemQ5.5_16:weight_class.L -0.225 -0.026 -0.022 b_itemQ5.5_2:weight_class.L -0.195 0.004 0.015 b_itemQ5.5_3:weight_class.L 0.113 0.026 0.004 b_itemQ5.5_4:weight_class.L -0.179 0.001 -0.024 b_itemQ5.5_5:weight_class.L -0.272 0.011 0.026 b_itemQ5.5_6:weight_class.L -0.129 -0.010 0.011 b_itemQ5.5_7:weight_class.L -0.251 -0.010 0.023 b_itemQ5.5_8:weight_class.L -0.082 -0.003 -0.015 b_itemQ5.5_9:weight_class.L -0.104 -0.001 0.003 b_itemQ5.5_1:weight_class.Q -0.207 -0.020 -0.022 b_itemQ5.5_10:weight_class.Q 0.136 0.020 -0.001 b_itemQ5.5_11:weight_class.Q -0.050 0.002 0.014 b_itemQ5.5_12:weight_class.Q -0.106 -0.004 -0.032 b_itemQ5.5_13:weight_class.Q -0.178 -0.005 0.015 b_itemQ5.5_14:weight_class.Q -0.198 -0.021 -0.006 b_itemQ5.5_15:weight_class.Q -0.132 -0.017 0.022 b_itemQ5.5_16:weight_class.Q -0.191 -0.017 0.013 b_itemQ5.5_2:weight_class.Q -0.116 0.011 0.008 b_itemQ5.5_3:weight_class.Q 0.092 0.027 0.003 b_itemQ5.5_4:weight_class.Q -0.122 -0.008 0.017 b_itemQ5.5_5:weight_class.Q -0.256 0.002 -0.012 b_itemQ5.5_6:weight_class.Q -0.158 -0.003 0.003 b_itemQ5.5_7:weight_class.Q -0.174 -0.025 -0.014 b_itemQ5.5_8:weight_class.Q -0.113 0.018 -0.013 b_itemQ5.5_9:weight_class.Q -0.131 0.001 0.012 b_itemQ5.5_1:glp.L -0.160 -0.033 0.015 b_itemQ5.5_10:glp.L -0.114 0.013 -0.009 b_itemQ5.5_11:glp.L -0.131 0.020 0.036 b_itemQ5.5_12:glp.L -0.215 0.001 -0.008 b_itemQ5.5_13:glp.L -0.140 -0.003 0.015 b_itemQ5.5_14:glp.L -0.166 0.020 -0.011 b_itemQ5.5_15:glp.L -0.166 -0.023 0.018 b_itemQ5.5_16:glp.L -0.129 0.002 -0.012 b_itemQ5.5_2:glp.L -0.124 0.004 -0.009 b_itemQ5.5_3:glp.L -0.197 0.001 0.016 b_itemQ5.5_4:glp.L -0.141 0.011 -0.005 b_itemQ5.5_5:glp.L -0.226 -0.012 0.006 b_itemQ5.5_6:glp.L -0.173 -0.010 -0.033 b_itemQ5.5_7:glp.L -0.174 -0.021 0.023 b_itemQ5.5_8:glp.L -0.113 0.015 -0.025 b_itemQ5.5_9:glp.L -0.021 0.003 -0.014 b_itemQ5.5_1:glp.Q -0.257 -0.035 0.016 b_itemQ5.5_10:glp.Q -0.211 -0.021 0.017 b_itemQ5.5_11:glp.Q -0.305 -0.020 -0.007 b_itemQ5.5_12:glp.Q -0.276 -0.007 0.026 b_itemQ5.5_13:glp.Q -0.182 -0.035 -0.011 b_itemQ5.5_14:glp.Q -0.212 0.017 0.009 b_itemQ5.5_15:glp.Q -0.272 0.002 0.016 b_itemQ5.5_16:glp.Q -0.234 -0.040 0.025 b_itemQ5.5_2:glp.Q -0.303 0.005 -0.008 b_itemQ5.5_3:glp.Q -0.264 -0.020 -0.045 b_itemQ5.5_4:glp.Q -0.241 -0.006 -0.011 b_itemQ5.5_5:glp.Q -0.283 -0.004 -0.014 b_itemQ5.5_6:glp.Q -0.215 0.017 -0.024 b_itemQ5.5_7:glp.Q -0.279 -0.007 0.024 b_itemQ5.5_8:glp.Q -0.247 0.017 -0.012 b_itemQ5.5_9:glp.Q -0.217 -0.007 -0.017	b_itemQ5.6_5:age.Q 0.018 0.036 -0.018 b_itemQ5.6_6:age.Q 0.004 0.012 -0.017 b_itemQ5.6_7:age.Q 0.012 0.015 -0.018 b_itemQ5.6_8:age.Q 0.268 0.023 0.009 b_itemQ5.6_9:age.Q 0.126 0.042 0.007 b_itemQ5.6_1:weight_class.L 0.059 0.006 -0.022 b_itemQ5.6_10:weight_class.L 0.087 -0.005 -0.005 b_itemQ5.6_11:weight_class.L 0.177 0.007 0.003 b_itemQ5.6_12:weight_class.L 0.034 0.032 0.010 b_itemQ5.6_13:weight_class.L 0.085 -0.014 0.008 b_itemQ5.6_14:weight_class.L 0.088 0.008 0.029 b_itemQ5.6_15:weight_class.L 0.059 0.019 -0.034 b_itemQ5.6_16:weight_class.L 0.002 0.009 0.034 b_itemQ5.6_2:weight_class.L 0.288 0.060 -0.007 b_itemQ5.6_3:weight_class.L 0.080 0.016 -0.019 b_itemQ5.6_4:weight_class.L 0.033 0.000 -0.007 b_itemQ5.6_5:weight_class.L 0.080 -0.009 -0.018 b_itemQ5.6_6:weight_class.L 0.046 0.009 0.014 b_itemQ5.6_7:weight_class.L 0.040 0.004 0.001 b_itemQ5.6_8:weight_class.L 0.019 0.012 0.011 b_itemQ5.6_9:weight_class.L 0.482 0.075 0.042 b_itemQ5.6_1:weight_class.Q 0.021 0.004 0.025 b_itemQ5.6_10:weight_class.Q 0.048 0.018 -0.018 b_itemQ5.6_11:weight_class.Q 0.132 -0.009 0.022 b_itemQ5.6_12:weight_class.Q 0.085 0.038 -0.001 b_itemQ5.6_13:weight_class.Q 0.050 0.023 0.042 b_itemQ5.6_14:weight_class.Q 0.043 0.006 0.000 b_itemQ5.6_15:weight_class.Q 0.065 0.017 -0.015 b_itemQ5.6_16:weight_class.Q 0.015 -0.001 0.029 b_itemQ5.6_2:weight_class.Q 0.219 0.041 0.000 b_itemQ5.6_3:weight_class.Q 0.039 0.034 -0.012 b_itemQ5.6_4:weight_class.Q 0.047 -0.013 0.016 b_itemQ5.6_5:weight_class.Q 0.074 0.024 -0.017 b_itemQ5.6_6:weight_class.Q 0.044 0.045 0.014 b_itemQ5.6_7:weight_class.Q 0.074 0.013 0.014 b_itemQ5.6_8:weight_class.Q 0.041 0.021 0.011 b_itemQ5.6_9:weight_class.Q 0.451 0.068 0.030 b_itemQ5.6_1:glp.L 0.028 0.020 0.000 b_itemQ5.6_10:glp.L 0.047 0.005 0.013 b_itemQ5.6_11:glp.L 0.077 0.001 0.009 b_itemQ5.6_12:glp.L 0.058 0.009 0.007 b_itemQ5.6_13:glp.L 0.069 0.013 0.009 b_itemQ5.6_14:glp.L 0.020 -0.014 -0.018 b_itemQ5.6_15:glp.L 0.046 -0.011 0.011 b_itemQ5.6_16:glp.L 0.042 -0.019 0.001 b_itemQ5.6_2:glp.L 0.004 0.011 -0.001 b_itemQ5.6_3:glp.L -0.006 0.036 -0.006 b_itemQ5.6_4:glp.L 0.035 0.024 -0.013 b_itemQ5.6_5:glp.L -0.003 0.019 -0.025 b_itemQ5.6_6:glp.L 0.085 0.043 -0.015 b_itemQ5.6_7:glp.L 0.045 0.014 0.014 b_itemQ5.6_8:glp.L -0.005 -0.007 0.019 b_itemQ5.6_9:glp.L 0.027 0.032 0.019 b_itemQ5.6_1:glp.Q 0.048 0.002 -0.011 b_itemQ5.6_10:glp.Q 0.035 -0.005 -0.003 b_itemQ5.6_11:glp.Q -0.005 -0.006 -0.004 b_itemQ5.6_12:glp.Q 0.032 0.008 -0.004 b_itemQ5.6_13:glp.Q 0.030 0.027 -0.002 b_itemQ5.6_14:glp.Q 0.020 -0.011 -0.008 b_itemQ5.6_15:glp.Q -0.004 0.011 0.021 b_itemQ5.6_16:glp.Q 0.026 0.014 -0.023 b_itemQ5.6_2:glp.Q 0.023 -0.006 -0.004 b_itemQ5.6_3:glp.Q 0.047 0.014 0.019 b_itemQ5.6_4:glp.Q 0.083 0.027 0.025 b_itemQ5.6_5:glp.Q 0.041 0.025 -0.019 b_itemQ5.6_6:glp.Q 0.011 -0.005 -0.013 b_itemQ5.6_7:glp.Q 0.003 -0.001 0.001 b_itemQ5.6_8:glp.Q -0.012 -0.002 0.014 b_itemQ5.6_9:glp.Q 0.035 0.011 -0.001

				b_itemQ5.5_1:pl_exp.L -0.013 0.006 -0.001 b_itemQ5.5_10:pl_exp.L 0.035 0.001 0.001 b_itemQ5.5_11:pl_exp.L -0.130 0.018 -0.019 b_itemQ5.5_12:pl_exp.L 0.073 0.020 0.002 b_itemQ5.5_13:pl_exp.L -0.013 -0.014 -0.004 b_itemQ5.5_14:pl_exp.L -0.034 0.027 0.029 b_itemQ5.5_15:pl_exp.L 0.025 0.018 -0.011 b_itemQ5.5_16:pl_exp.L -0.002 0.009 -0.012 b_itemQ5.5_2:pl_exp.L 0.015 -0.005 0.000 b_itemQ5.5_3:pl_exp.L -0.132 0.001 -0.018 b_itemQ5.5_4:pl_exp.L -0.008 0.004 -0.016 b_itemQ5.5_5:pl_exp.L 0.067 -0.018 0.015 b_itemQ5.5_6:pl_exp.L -0.014 0.005 -0.014 b_itemQ5.5_7:pl_exp.L -0.048 -0.038 -0.021 b_itemQ5.5_8:pl_exp.L 0.008 0.012 -0.022 b_itemQ5.5_9:pl_exp.L -0.102 0.014 -0.009 b_itemQ5.5_1:pl_exp.Q -0.065 -0.031 -0.002 b_itemQ5.5_10:pl_exp.Q -0.135 0.015 0.026 b_itemQ5.5_11:pl_exp.Q -0.112 -0.024 0.003 b_itemQ5.5_12:pl_exp.Q -0.197 -0.018 -0.027 b_itemQ5.5_13:pl_exp.Q -0.077 -0.006 -0.012 b_itemQ5.5_14:pl_exp.Q -0.073 -0.001 -0.011 b_itemQ5.5_15:pl_exp.Q -0.103 0.011 -0.024 b_itemQ5.5_16:pl_exp.Q -0.072 -0.009 -0.013 b_itemQ5.5_2:pl_exp.Q -0.154 -0.017 -0.012 b_itemQ5.5_3:pl_exp.Q -0.215 -0.002 -0.010 b_itemQ5.5_4:pl_exp.Q -0.131 0.004 0.006 b_itemQ5.5_5:pl_exp.Q -0.160 -0.018 0.030 b_itemQ5.5_6:pl_exp.Q -0.080 0.027 -0.039 b_itemQ5.5_7:pl_exp.Q -0.136 -0.002 0.006 b_itemQ5.5_8:pl_exp.Q -0.122 0.010 0.021 b_itemQ5.5_9:pl_exp.Q -0.166 -0.003 -0.008 b_itemQ5.5_1:rt_exp.L -0.004 -0.015 0.032 b_itemQ5.5_10:rt_exp.L 0.037 -0.016 0.004 b_itemQ5.5_11:rt_exp.L 0.048 -0.002 -0.003 b_itemQ5.5_12:rt_exp.L 0.073 0.005 0.005 b_itemQ5.5_13:rt_exp.L -0.062 -0.029 0.014 b_itemQ5.5_14:rt_exp.L -0.027 0.033 0.015 b_itemQ5.5_15:rt_exp.L -0.015 0.021 0.018 b_itemQ5.5_16:rt_exp.L -0.040 0.015 -0.017 b_itemQ5.5_2:rt_exp.L 0.013 -0.011 -0.004 b_itemQ5.5_3:rt_exp.L -0.088 0.004 -0.013 b_itemQ5.5_4:rt_exp.L -0.008 -0.017 -0.005 b_itemQ5.5_5:rt_exp.L 0.074 0.008 -0.003 b_itemQ5.5_6:rt_exp.L -0.041 0.005 -0.003 b_itemQ5.5_7:rt_exp.L -0.028 -0.021 0.001 b_itemQ5.5_8:rt_exp.L -0.008 0.000 0.010 b_itemQ5.5_9:rt_exp.L -0.140 0.000 0.002 b_itemQ5.5_1:rt_exp.Q -0.132 -0.032 -0.007 b_itemQ5.5_10:rt_exp.Q -0.198 -0.016 0.020 b_itemQ5.5_11:rt_exp.Q -0.226 0.006 -0.010 b_itemQ5.5_12:rt_exp.Q -0.222 -0.029 0.031 b_itemQ5.5_13:rt_exp.Q -0.190 0.015 -0.010 b_itemQ5.5_14:rt_exp.Q -0.170 -0.024 0.003 b_itemQ5.5_15:rt_exp.Q -0.180 -0.041 0.006 b_itemQ5.5_16:rt_exp.Q -0.136 -0.018 0.018 b_itemQ5.5_2:rt_exp.Q -0.245 0.007 -0.029 b_itemQ5.5_3:rt_exp.Q -0.165 -0.008 0.008 b_itemQ5.5_4:rt_exp.Q -0.165 -0.024 0.003 b_itemQ5.5_5:rt_exp.Q -0.044 -0.017 -0.006 b_itemQ5.5_6:rt_exp.Q -0.138 0.006 -0.012 b_itemQ5.5_7:rt_exp.Q -0.140 0.010 0.005 b_itemQ5.5_8:rt_exp.Q -0.283 -0.014 -0.003 b_itemQ5.5_9:rt_exp.Q -0.238 -0.009 -0.010 b_Intercept NA NA NA b_sexMale NA NA NA b_divisionRaw NA NA NA b_age.L NA NA NA b_weight_class.L NA NA NA	b_itemQ5.6_1:pl_exp.L 0.086 0.027 0.014 b_itemQ5.6_10:pl_exp.L 0.121 -0.001 -0.013 b_itemQ5.6_11:pl_exp.L 0.201 0.015 0.010 b_itemQ5.6_12:pl_exp.L 0.019 0.017 -0.009 b_itemQ5.6_13:pl_exp.L 0.101 -0.003 -0.007 b_itemQ5.6_14:pl_exp.L 0.091 0.014 0.033 b_itemQ5.6_15:pl_exp.L 0.110 0.016 -0.008 b_itemQ5.6_16:pl_exp.L 0.103 -0.021 0.001 b_itemQ5.6_2:pl_exp.L 0.119 0.007 0.024 b_itemQ5.6_3:pl_exp.L 0.135 0.013 0.000 b_itemQ5.6_4:pl_exp.L 0.105 0.010 -0.010 b_itemQ5.6_5:pl_exp.L 0.119 0.007 -0.020 b_itemQ5.6_6:pl_exp.L 0.167 0.014 0.030 b_itemQ5.6_7:pl_exp.L 0.085 0.018 0.011 b_itemQ5.6_8:pl_exp.L 0.084 0.015 -0.016 b_itemQ5.6_9:pl_exp.L 0.098 0.018 0.017 b_itemQ5.6_1:pl_exp.Q 0.067 -0.003 0.012 b_itemQ5.6_10:pl_exp.Q 0.166 -0.003 -0.002 b_itemQ5.6_11:pl_exp.Q 0.066 -0.015 -0.009 b_itemQ5.6_12:pl_exp.Q 0.001 0.007 0.012 b_itemQ5.6_13:pl_exp.Q 0.092 0.021 -0.006 b_itemQ5.6_14:pl_exp.Q 0.069 0.020 -0.010 b_itemQ5.6_15:pl_exp.Q 0.089 0.006 0.001 b_itemQ5.6_16:pl_exp.Q 0.131 0.020 0.034 b_itemQ5.6_2:pl_exp.Q 0.104 0.048 0.008 b_itemQ5.6_3:pl_exp.Q 0.153 0.000 -0.005 b_itemQ5.6_4:pl_exp.Q 0.079 0.000 -0.002 b_itemQ5.6_5:pl_exp.Q 0.092 0.019 0.010 b_itemQ5.6_6:pl_exp.Q 0.159 0.014 0.005 b_itemQ5.6_7:pl_exp.Q 0.041 0.028 -0.005 b_itemQ5.6_8:pl_exp.Q -0.001 -0.007 -0.030 b_itemQ5.6_9:pl_exp.Q 0.081 0.011 0.038 b_itemQ5.6_1:rt_exp.L 0.208 0.054 0.011 b_itemQ5.6_10:rt_exp.L 0.275 0.006 -0.011 b_itemQ5.6_11:rt_exp.L 0.187 -0.004 -0.019 b_itemQ5.6_12:rt_exp.L 0.260 0.005 0.051 b_itemQ5.6_13:rt_exp.L 0.201 -0.001 -0.025 b_itemQ5.6_14:rt_exp.L 0.181 0.016 -0.027 b_itemQ5.6_15:rt_exp.L 0.188 0.007 -0.012 b_itemQ5.6_16:rt_exp.L 0.196 0.010 -0.016 b_itemQ5.6_2:rt_exp.L 0.219 0.045 -0.009 b_itemQ5.6_3:rt_exp.L 0.208 0.015 0.026 b_itemQ5.6_4:rt_exp.L 0.227 0.010 -0.009 b_itemQ5.6_5:rt_exp.L 0.326 -0.003 -0.033 b_itemQ5.6_6:rt_exp.L 0.221 0.023 -0.001 b_itemQ5.6_7:rt_exp.L 0.197 0.022 -0.008 b_itemQ5.6_8:rt_exp.L 0.284 0.021 -0.001 b_itemQ5.6_9:rt_exp.L 0.217 -0.018 -0.033 b_itemQ5.6_1:rt_exp.Q 0.231 0.051 0.013 b_itemQ5.6_10:rt_exp.Q 0.266 0.006 -0.005 b_itemQ5.6_11:rt_exp.Q 0.077 -0.016 0.003 b_itemQ5.6_12:rt_exp.Q 0.236 -0.011 0.036 b_itemQ5.6_13:rt_exp.Q 0.204 0.002 -0.018 b_itemQ5.6_14:rt_exp.Q 0.198 0.040 -0.024 b_itemQ5.6_15:rt_exp.Q 0.208 -0.001 -0.010 b_itemQ5.6_16:rt_exp.Q 0.197 0.030 0.015 b_itemQ5.6_2:rt_exp.Q 0.213 0.041 -0.017 b_itemQ5.6_3:rt_exp.Q 0.215 0.034 0.006 b_itemQ5.6_4:rt_exp.Q 0.238 0.010 -0.014 b_itemQ5.6_5:rt_exp.Q 0.332 0.003 -0.009 b_itemQ5.6_6:rt_exp.Q 0.199 0.021 0.024 b_itemQ5.6_7:rt_exp.Q 0.220 0.020 -0.004 b_itemQ5.6_8:rt_exp.Q 0.265 0.025 -0.010 b_itemQ5.6_9:rt_exp.Q 0.227 0.000 -0.019 b_Intercept NA NA NA b_sexMale NA NA NA b_divisionRaw NA NA NA b_age.L NA NA NA b_weight_class.L NA NA NA

b_glp.L NA NA NA
b_pl_exp.L NA NA NA
b_rt_exp.L NA NA NA
r_ResponseId__Intercept NA NA NA

b_glp.L NA NA NA
b_pl_exp.L NA NA NA
b_rt_exp.L NA NA NA
r_ResponseId__Intercept NA NA NA

Q5.7

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q5_7_data (Number of observations: 1170)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 390)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	0.06	0.04	0.00	0.16	1.00	15433	8242

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ5.7_1	0.00	0.64	-1.25	1.25	1.00	15127	11738
itemQ5.7_2	-0.53	0.65	-1.82	0.73	1.00	15291	12011
itemQ5.7_3	-2.52	1.26	-5.32	-0.35	1.00	12954	8825
itemQ5.7_1:sexMale	0.13	0.25	-0.35	0.62	1.00	25329	12494
itemQ5.7_2:sexMale	0.15	0.24	-0.33	0.63	1.00	28500	11988
itemQ5.7_3:sexMale	-1.33	0.52	-2.39	-0.31	1.00	26990	12406
itemQ5.7_1:divisionRaw	-0.33	0.62	-1.54	0.89	1.00	16305	11161
itemQ5.7_2:divisionRaw	0.41	0.64	-0.82	1.68	1.00	16765	11895
itemQ5.7_3:divisionRaw	0.03	1.21	-2.01	2.69	1.00	14236	9123
itemQ5.7_1:age.L	-0.14	0.27	-0.68	0.39	1.00	26943	11886
itemQ5.7_2:age.L	0.25	0.27	-0.27	0.77	1.00	26436	12453
itemQ5.7_3:age.L	-0.54	0.61	-1.81	0.59	1.00	23777	12818
itemQ5.7_1:age.Q	0.05	0.18	-0.31	0.40	1.00	28424	12506
itemQ5.7_2:age.Q	-0.12	0.18	-0.47	0.24	1.00	29947	12337
itemQ5.7_3:age.Q	0.39	0.44	-0.48	1.25	1.00	26271	11856
itemQ5.7_1:weight_class.L	0.07	0.21	-0.34	0.48	1.00	30466	11952
itemQ5.7_2:weight_class.L	-0.02	0.21	-0.42	0.38	1.00	27941	12348
itemQ5.7_3:weight_class.L	-0.22	0.47	-1.13	0.69	1.00	28725	11499
itemQ5.7_1:weight_class.Q	-0.12	0.18	-0.47	0.23	1.00	30522	11915
itemQ5.7_2:weight_class.Q	0.09	0.17	-0.25	0.44	1.00	30680	12294
itemQ5.7_3:weight_class.Q	0.09	0.43	-0.74	0.94	1.00	28831	12406
itemQ5.7_1:glp.L	-0.06	0.04	-0.14	0.03	1.00	27921	12784

Q5.8

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q5_8_data (Number of observations: 2618)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 154)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	1.31	0.14	1.05	1.59	1.00	5616	8932

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ5.8_1	-4.12	1.61	-7.49	-1.17	1.00	9750	9953
itemQ5.8_10	-3.24	1.65	-6.66	-0.15	1.00	9996	9953
itemQ5.8_11	-3.12	2.11	-7.45	0.81	1.00	8930	8792
itemQ5.8_12	-7.50	3.99	-15.49	0.12	1.00	15460	10901
itemQ5.8_13	0.59	1.52	-2.35	3.62	1.00	10454	11154
itemQ5.8_14	-1.94	1.62	-5.30	1.14	1.00	10482	10332
itemQ5.8_15	-2.59	1.75	-6.21	0.67	1.00	10523	9817
itemQ5.8_16	-1.92	1.55	-5.14	0.99	1.00	9748	9248
itemQ5.8_17	-4.45	2.22	-9.31	-0.60	1.00	11985	10138
itemQ5.8_2	-7.15	2.55	-12.69	-2.57	1.00	11022	9872
itemQ5.8_3	-11.72	3.14	-18.15	-5.93	1.00	11989	12051
itemQ5.8_4	-3.75	2.30	-8.94	0.13	1.00	9744	8293
itemQ5.8_5	-8.14	3.04	-14.43	-2.55	1.00	11810	10776
itemQ5.8_6	-1.59	1.58	-4.86	1.34	1.00	10842	10545
itemQ5.8_7	1.54	1.39	-1.14	4.39	1.00	9699	10481
itemQ5.8_8	-6.09	2.32	-11.11	-1.98	1.00	11195	9879
itemQ5.8_9	-2.82	1.79	-6.49	0.49	1.00	8743	9355
itemQ5.8_1:sexMale	0.62	0.69	-0.72	2.02	1.00	13246	12037
itemQ5.8_10:sexMale	0.46	0.79	-1.03	2.09	1.00	14849	11328
itemQ5.8_11:sexMale	1.46	1.18	-0.72	3.92	1.00	16848	11779
itemQ5.8_12:sexMale	-6.10	3.69	-13.84	0.65	1.00	16319	11578
itemQ5.8_13:sexMale	0.35	0.86	-1.28	2.11	1.00	14856	12315

Q5.9

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q5_9_data (Number of observations: 2737)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 161)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	1.02	0.10	0.84	1.22	1.00	6615	10383

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ5.9_1	-0.15	1.16	-2.50	2.05	1.00	13044	11112
itemQ5.9_10	1.06	1.07	-1.03	3.19	1.00	11717	11138
itemQ5.9_11	-4.87	2.12	-9.49	-1.20	1.00	16357	10516
itemQ5.9_12	-10.06	3.21	-16.70	-4.07	1.00	14673	11553
itemQ5.9_13	-1.96	1.36	-4.70	0.63	1.00	13222	10759
itemQ5.9_14	-0.05	1.12	-2.27	2.15	1.00	12624	11594
itemQ5.9_15	-0.49	1.23	-2.97	1.86	1.00	13879	11827
itemQ5.9_16	-1.44	1.27	-4.01	0.96	1.00	11810	11102
itemQ5.9_17	-0.70	1.23	-3.18	1.68	1.00	12699	11335
itemQ5.9_2	-0.07	1.16	-2.26	2.30	1.00	12691	11126
itemQ5.9_3	-1.43	1.36	-4.10	1.23	1.00	13424	11586
itemQ5.9_4	1.24	1.25	-1.19	3.76	1.00	13269	11588
itemQ5.9_5	-3.12	1.81	-6.92	0.26	1.00	13048	11347
itemQ5.9_6	-4.95	2.11	-9.67	-1.44	1.00	14453	9304
itemQ5.9_7	-1.89	1.62	-5.19	1.11	1.00	14395	12231
itemQ5.9_8	-5.67	2.25	-10.58	-1.84	1.00	15794	9743
itemQ5.9_9	-4.14	2.15	-8.90	-0.62	1.00	14631	9527
itemQ5.9_1:sexMale	-0.58	0.48	-1.53	0.35	1.00	15431	12139
itemQ5.9_10:sexMale	0.08	0.47	-0.84	1.01	1.00	16760	12283
itemQ5.9_11:sexMale	5.49	1.98	2.28	9.96	1.00	18313	10146
itemQ5.9_12:sexMale	-2.05	1.90	-5.94	1.58	1.00	24260	11917
itemQ5.9_13:sexMale	0.76	0.68	-0.51	2.14	1.00	19826	12199

Q5.10

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q5_10_data (Number of observations: 1137)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 379)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	0.06	0.05	0.00	0.17	1.00	15336	8195

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ5.10_1	0.36	0.69	-0.93	1.78	1.00	18170	11801
itemQ5.10_2	-1.06	0.74	-2.64	0.32	1.00	18913	11740
itemQ5.10_3	-2.35	1.21	-4.99	-0.27	1.00	16164	10456
itemQ5.10_1:sexMale	0.26	0.27	-0.25	0.79	1.00	35830	12042
itemQ5.10_2:sexMale	0.15	0.25	-0.35	0.63	1.00	34615	11918
itemQ5.10_3:sexMale	-1.41	0.48	-2.36	-0.48	1.00	40428	11749
itemQ5.10_1:divisionRaw	-1.44	0.67	-2.82	-0.19	1.00	19672	11933
itemQ5.10_2:divisionRaw	1.50	0.73	0.15	3.04	1.00	20412	11455
itemQ5.10_3:divisionRaw	0.25	1.18	-1.75	2.86	1.00	17710	9743
itemQ5.10_1:age.L	-0.25	0.28	-0.81	0.28	1.00	32457	11453
itemQ5.10_2:age.L	0.37	0.27	-0.16	0.92	1.00	31647	13272
itemQ5.10_3:age.L	-0.49	0.52	-1.56	0.50	1.00	28963	12704
itemQ5.10_1:age.Q	0.02	0.19	-0.36	0.40	1.00	33324	11518
itemQ5.10_2:age.Q	-0.11	0.19	-0.49	0.27	1.00	38553	12551
itemQ5.10_3:age.Q	0.40	0.39	-0.36	1.15	1.00	29529	12492
itemQ5.10_1:weight_class.L	0.15	0.22	-0.27	0.58	1.00	32365	11591
itemQ5.10_2:weight_class.L	-0.08	0.21	-0.49	0.33	1.00	33283	11087
itemQ5.10_3:weight_class.L	-0.28	0.44	-1.13	0.58	1.00	34364	11299
itemQ5.10_1:weight_class.Q	0.37	0.19	-0.01	0.76	1.00	36543	12047
itemQ5.10_2:weight_class.Q	-0.34	0.19	-0.71	0.02	1.00	40123	11945
itemQ5.10_3:weight_class.Q	-0.16	0.39	-0.91	0.59	1.00	35349	12311
itemQ5.10_1:glp.L	-0.05	0.05	-0.14	0.04	1.00	35089	11849

Q5.11

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q5_11_data (Number of observations: 1725)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 115)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	0.95	0.15	0.66	1.25	1.00	7074	9563

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ5.11_1	-7.04	2.24	-11.90	-3.21	1.00	12916	9586
itemQ5.11_10	-9.91	3.50	-17.17	-3.46	1.00	16828	12364
itemQ5.11_11	-4.74	2.08	-9.51	-1.27	1.00	13466	8582
itemQ5.11_12	-8.95	2.98	-15.04	-3.43	1.00	14657	12640
itemQ5.11_13	-5.32	1.90	-9.30	-1.81	1.00	12567	9250
itemQ5.11_14	-7.11	2.60	-12.59	-2.45	1.00	12983	10903
itemQ5.11_15	-0.12	1.13	-2.43	2.01	1.00	13030	11172
itemQ5.11_2	-2.34	1.84	-6.10	1.06	1.00	13081	11636
itemQ5.11_3	-4.69	2.33	-9.85	-0.80	1.00	13615	9353
itemQ5.11_4	-8.51	3.03	-14.93	-3.06	1.00	12854	10741
itemQ5.11_5	-1.42	1.18	-3.83	0.80	1.00	12880	11253
itemQ5.11_6	-0.87	1.21	-3.27	1.48	1.00	13005	11399
itemQ5.11_7	-2.58	1.43	-5.57	0.01	1.00	13843	10977
itemQ5.11_8	-9.98	3.53	-17.19	-3.53	1.00	16438	12220
itemQ5.11_9	-3.67	1.62	-6.99	-0.68	1.00	12701	12366
itemQ5.11_1:sexMale	0.96	1.03	-0.98	3.11	1.00	23237	11871
itemQ5.11_10:sexMale	-1.48	3.47	-8.35	5.31	1.00	21144	13501
itemQ5.11_11:sexMale	-0.68	0.69	-2.02	0.68	1.00	17163	13115
itemQ5.11_12:sexMale	-5.14	2.48	-10.32	-0.63	1.00	16501	12061
itemQ5.11_13:sexMale	2.25	1.22	-0.01	4.78	1.00	19551	12399
itemQ5.11_14:sexMale	-3.01	1.66	-6.50	-0.00	1.00	19878	11266
itemQ5.11_15:sexMale	-1.07	0.61	-2.29	0.12	1.00	16864	12212

Q5.12

Family: bernoulli
Links: mu = logit
Formula: response_value ~ 0 + item + item:sex + item:division + item:age + item:weight_class + item:glp.L + item:glp.Q + item:pl_exp.L + item:pl_exp.Q + item:rt_exp.L + item:rt_exp.Q + (1 | ResponseId)
Data: q5_12_data (Number of observations: 1890)
Draws: 4 chains, each with iter = 8000; warmup = 4000; thin = 1;
total post-warmup draws = 16000

Multilevel Hyperparameters:
~ResponseId (Number of levels: 126)

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
sd(Intercept)	1.04	0.12	0.82	1.30	1.00	6091	9241

Regression Coefficients:

	Estimate	Est.Error	l-95% CI	u-95% CI	Rhat	Bulk_ESS	Tail_ESS
itemQ5.12_1	2.83	1.30	0.48	5.57	1.00	9197	8867
itemQ5.12_10	-9.81	3.51	-17.00	-3.35	1.00	13078	10972
itemQ5.12_11	0.82	1.08	-1.28	2.97	1.00	9630	10974
itemQ5.12_12	-5.39	1.99	-9.65	-1.80	1.00	10160	9760
itemQ5.12_13	-2.24	1.22	-4.73	0.08	1.00	9768	10585
itemQ5.12_14	-5.88	2.21	-10.70	-2.11	1.00	10832	9789
itemQ5.12_15	-1.40	1.18	-3.82	0.82	1.00	9279	9741
itemQ5.12_2	-3.10	1.38	-5.91	-0.47	1.00	9760	10726
itemQ5.12_3	-2.91	1.36	-5.72	-0.40	1.00	9438	9589
itemQ5.12_4	-4.59	2.31	-9.73	-0.70	1.00	11259	9517
itemQ5.12_5	0.52	1.19	-1.88	2.85	1.00	9567	10917
itemQ5.12_6	-1.53	1.51	-4.66	1.22	1.00	10813	9775
itemQ5.12_7	-4.76	2.19	-9.61	-1.13	1.00	10479	8321
itemQ5.12_8	-4.80	2.15	-9.71	-1.23	1.00	11135	8132
itemQ5.12_9	-1.88	1.34	-4.60	0.67	1.00	9611	10729
itemQ5.12_1:sexMale	0.92	0.61	-0.27	2.13	1.00	11756	12081
itemQ5.12_10:sexMale	-0.81	3.15	-6.71	5.60	1.00	16387	12395
itemQ5.12_11:sexMale	0.66	0.59	-0.49	1.84	1.00	11488	11986
itemQ5.12_12:sexMale	0.00	1.15	-2.18	2.35	1.00	15560	12411
itemQ5.12_13:sexMale	0.06	0.68	-1.24	1.40	1.00	12556	12282
itemQ5.12_14:sexMale	-0.28	0.78	-1.75	1.28	1.00	13754	11461
itemQ5.12_15:sexMale	0.33	0.62	-0.85	1.55	1.00	11340	11010

itemQ5.7_2:glp.L 0.06 0.04 -0.02 0.15 1.00
27268 11406
itemQ5.7_3:glp.L -0.03 0.09 -0.21 0.14 1.00
25049 10903
itemQ5.7_1:glp.Q -0.44 0.73 -1.89 0.96 1.00
29738 11436
itemQ5.7_2:glp.Q 0.14 0.74 -1.32 1.58 1.00
29106 11295
itemQ5.7_3:glp.Q 0.71 1.40 -2.19 3.32 1.00
26535 12648
itemQ5.7_1:pl_exp.L -0.00 0.04 -0.08 0.07 1.00
31799 11084
itemQ5.7_2:pl_exp.L 0.02 0.04 -0.05 0.09 1.00
28804 12099
itemQ5.7_3:pl_exp.L -0.13 0.10 -0.35 0.05 1.00
21974 11348
itemQ5.7_1:pl_exp.Q -0.42 0.41 -1.23 0.37 1.00
27835 12005
itemQ5.7_2:pl_exp.Q 0.47 0.40 -0.32 1.26 1.00
24352 12055
itemQ5.7_3:pl_exp.Q -0.61 1.08 -2.87 1.44 1.00
22785 12724
itemQ5.7_1:rt_exp.L 0.04 0.07 -0.10 0.18 1.00
16017 13355
itemQ5.7_2:rt_exp.L -0.05 0.07 -0.19 0.09 1.00
16254 12939
itemQ5.7_3:rt_exp.L -0.00 0.16 -0.35 0.30 1.00
14185 11367
itemQ5.7_1:rt_exp.Q 0.56 0.63 -0.68 1.77 1.00
16067 12404
itemQ5.7_2:rt_exp.Q -0.71 0.63 -1.95 0.49 1.00
15504 12801
itemQ5.7_3:rt_exp.Q 0.54 1.38 -2.26 3.15 1.00
14126 11468

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ5.7_1	0.177	0.019	-0.023
b_itemQ5.7_2	0.168	-0.015	-0.001
b_itemQ5.7_3	0.246	0.014	-0.017
b_itemQ5.7_1:sexMale	-0.138	0.018	0.026
b_itemQ5.7_2:sexMale	-0.211	-0.022	0.006
b_itemQ5.7_3:sexMale	-0.187	0.011	-0.007
b_itemQ5.7_1:divisionRaw	0.124	0.021	-0.027
b_itemQ5.7_2:divisionRaw	0.122	-0.003	0.006
b_itemQ5.7_3:divisionRaw	0.198	0.007	-0.009
b_itemQ5.7_1:age.L	-0.186	-0.011	0.005
b_itemQ5.7_2:age.L	-0.165	0.003	-0.023
b_itemQ5.7_3:age.L	-0.172	0.006	-0.022
b_itemQ5.7_1:age.Q	-0.172	-0.041	-0.022
b_itemQ5.7_2:age.Q	-0.243	-0.028	0.006
b_itemQ5.7_3:age.Q	-0.218	-0.003	0.004
b_itemQ5.7_1:weight_class.L	-0.241	0.007	-0.033
b_itemQ5.7_2:weight_class.L	-0.234	-0.013	0.013
b_itemQ5.7_3:weight_class.L	-0.193	-0.004	0.005
b_itemQ5.7_1:weight_class.Q	-0.249	-0.023	0.001
b_itemQ5.7_2:weight_class.Q	-0.229	-0.019	0.001
b_itemQ5.7_3:weight_class.Q	-0.198	0.003	0.033
b_itemQ5.7_1:glp.L	-0.196	-0.002	-0.001
b_itemQ5.7_2:glp.L	-0.217	0.004	-0.011
b_itemQ5.7_3:glp.L	-0.173	0.029	-0.006
b_itemQ5.7_1:glp.Q	-0.243	-0.027	0.005

itemQ5.8_14:sexMale -0.40 0.72 -1.80 1.03 1.00
14917 11870
itemQ5.8_15:sexMale -0.06 0.87 -1.70 1.71 1.00
16268 11631
itemQ5.8_16:sexMale 0.76 0.65 -0.47 2.06 1.00
14088 11730
itemQ5.8_17:sexMale 0.04 0.65 -1.22 1.34 1.00
14332 12246
itemQ5.8_2:sexMale 1.15 1.21 -1.02 3.77 1.00
17271 10811
itemQ5.8_3:sexMale 2.07 2.40 -2.20 7.21 1.00
16793 11267
itemQ5.8_4:sexMale -0.25 0.58 -1.38 0.89 1.00
12612 12035
itemQ5.8_5:sexMale 2.02 2.16 -1.71 6.82 1.00
16341 10352
itemQ5.8_6:sexMale 0.45 0.84 -1.15 2.17 1.00
16029 11858
itemQ5.8_7:sexMale 1.67 0.64 0.42 2.93 1.00
13620 12351
itemQ5.8_8:sexMale 0.78 0.98 -0.99 2.81 1.00
17610 11869
itemQ5.8_9:sexMale -0.32 0.88 -2.00 1.46 1.00
16951 12381
itemQ5.8_1:divisionRaw -0.94 1.49 -3.72 2.15 1.00
12043 10854
itemQ5.8_10:divisionRaw -1.32 1.55 -4.18 1.91 1.00
12158 9784
itemQ5.8_11:divisionRaw -5.09 1.46 -8.05 -2.24 1.00
12111 12299
itemQ5.8_12:divisionRaw -6.09 4.09 -14.33 1.77
1.00 16336 12420
itemQ5.8_13:divisionRaw -4.92 1.42 -7.76 -2.17 1.00
11231 11590
itemQ5.8_14:divisionRaw -1.14 1.55 -3.98 2.07 1.00
11593 9702
itemQ5.8_15:divisionRaw -0.83 1.63 -3.79 2.52 1.00
11990 9565
itemQ5.8_16:divisionRaw 0.00 1.49 -2.74 3.14 1.00
10696 9483
itemQ5.8_17:divisionRaw 2.68 2.19 -1.13 7.56 1.00
12547 9901
itemQ5.8_2:divisionRaw -0.03 2.33 -4.11 5.12 1.00
13356 9604
itemQ5.8_3:divisionRaw -2.63 2.72 -7.93 2.87 1.00
14314 11464
itemQ5.8_4:divisionRaw 2.79 2.29 -1.01 7.99 1.00
9924 8339
itemQ5.8_5:divisionRaw -1.34 2.54 -5.99 3.98 1.00
15318 10674
itemQ5.8_6:divisionRaw -2.17 1.58 -5.15 1.11 1.00
11663 10354
itemQ5.8_7:divisionRaw 0.37 1.28 -2.22 2.79 1.00
10953 10362
itemQ5.8_8:divisionRaw 1.40 2.25 -2.48 6.35 1.00
11941 9630
itemQ5.8_9:divisionRaw -3.15 1.47 -6.00 -0.24 1.00
12262 11657
itemQ5.8_1:age.L -1.67 1.06 -3.97 0.21 1.00
12330 9664
itemQ5.8_10:age.L -0.77 0.88 -2.61 0.85 1.00
13517 10733
itemQ5.8_11:age.L 4.15 2.42 0.32 9.78 1.00
9208 7552
itemQ5.8_12:age.L 1.65 4.18 -6.85 9.73 1.00
20271 12702
itemQ5.8_13:age.L -1.15 0.96 -3.12 0.65 1.00
14957 12537

itemQ5.9_14:sexMale 0.22 0.48 -0.70 1.17 1.00
16706 12627
itemQ5.9_15:sexMale 0.50 0.52 -0.50 1.52 1.00
18904 11750
itemQ5.9_16:sexMale 0.03 0.49 -0.91 0.98 1.00
17355 12216
itemQ5.9_17:sexMale 0.30 0.52 -0.69 1.32 1.00
19187 12427
itemQ5.9_2:sexMale 1.13 0.49 0.18 2.11 1.00
16124 12320
itemQ5.9_3:sexMale 0.77 0.70 -0.55 2.19 1.00
21817 11424
itemQ5.9_4:sexMale -0.62 0.52 -1.64 0.42 1.00
18710 11556
itemQ5.9_5:sexMale 0.12 0.92 -1.60 2.00 1.00
24472 11519
itemQ5.9_6:sexMale 0.52 0.50 -0.44 1.50 1.00
17345 12312
itemQ5.9_7:sexMale -1.21 0.79 -2.72 0.37 1.00
22210 11776
itemQ5.9_8:sexMale -0.65 0.62 -1.83 0.59 1.00
20117 11602
itemQ5.9_9:sexMale 0.31 0.53 -0.71 1.37 1.00
19274 12061
itemQ5.9_1:divisionRaw 1.33 1.11 -0.79 3.63 1.00
13428 11608
itemQ5.9_10:divisionRaw -0.59 1.03 -2.64 1.41 1.00
12375 11157
itemQ5.9_11:divisionRaw -3.07 1.43 -5.95 -0.32 1.00
19251 11979
itemQ5.9_12:divisionRaw -1.00 2.53 -5.80 4.28 1.00
20636 10984
itemQ5.9_13:divisionRaw -1.54 1.22 -3.86 0.88 1.00
13580 11618
itemQ5.9_14:divisionRaw -1.00 1.07 -3.11 1.08 1.00
13033 12020
itemQ5.9_15:divisionRaw -1.13 1.18 -3.42 1.25 1.00
14595 11959
itemQ5.9_16:divisionRaw 0.13 1.23 -2.22 2.59 1.00
12402 11053
itemQ5.9_17:divisionRaw -1.06 1.17 -3.34 1.28 1.00
13484 11520
itemQ5.9_2:divisionRaw -0.77 1.11 -3.04 1.35 1.00
13520 10708
itemQ5.9_3:divisionRaw -2.17 1.23 -4.61 0.22 1.00
15620 12207
itemQ5.9_4:divisionRaw -2.34 1.18 -4.74 -0.10 1.00
15158 11738
itemQ5.9_5:divisionRaw -2.34 1.29 -4.83 0.26 1.00
17161 12197
itemQ5.9_6:divisionRaw 3.34 2.09 -0.15 8.01 1.00
14847 9548
itemQ5.9_7:divisionRaw -2.81 1.32 -5.37 -0.21 1.00
15974 11542
itemQ5.9_8:divisionRaw 2.36 2.18 -1.29 7.23 1.00
16347 9722
itemQ5.9_9:divisionRaw 3.17 2.13 -0.25 7.91 1.00
14916 10130
itemQ5.9_1:age.L 0.25 0.52 -0.77 1.27 1.00
15329 12558
itemQ5.9_10:age.L 0.24 0.53 -0.80 1.29 1.00
15236 11892
itemQ5.9_11:age.L 0.44 0.74 -1.02 1.89 1.00
19210 12828
itemQ5.9_12:age.L -3.26 2.48 -8.62 1.13 1.00
19736 11868
itemQ5.9_13:age.L 0.50 0.68 -0.83 1.84 1.00
19109 12834

itemQ5.10_2:glp.L 0.06 0.04 -0.02 0.15 1.00
32716 12253
itemQ5.10_3:glp.L -0.06 0.08 -0.23 0.10 1.00
30285 12287
itemQ5.10_1:glp.Q -0.51 0.80 -2.11 1.05 1.00
37557 11266
itemQ5.10_2:glp.Q 0.03 0.77 -1.48 1.55 1.00
37730 12280
itemQ5.10_3:glp.Q 0.96 1.28 -1.64 3.35 1.00
31232 11554
itemQ5.10_1:pl_exp.L -0.02 0.04 -0.11 0.05 1.00
31174 12135
itemQ5.10_2:pl_exp.L 0.03 0.04 -0.05 0.10 1.00
32655 11163
itemQ5.10_3:pl_exp.L -0.01 0.08 -0.18 0.14 1.00
32239 11941
itemQ5.10_1:pl_exp.Q -0.57 0.44 -1.44 0.29 1.00
30982 12933
itemQ5.10_2:pl_exp.Q 0.47 0.42 -0.35 1.32 1.00
28826 12151
itemQ5.10_3:pl_exp.Q 0.27 0.88 -1.50 1.97 1.00
28459 11955
itemQ5.10_1:rt_exp.L -0.09 0.08 -0.25 0.06 1.00
18630 13355
itemQ5.10_2:rt_exp.L 0.07 0.08 -0.07 0.22 1.00
18931 12458
itemQ5.10_3:rt_exp.L 0.01 0.14 -0.28 0.27 1.00
19017 12715
itemQ5.10_1:rt_exp.Q 0.05 0.68 -1.30 1.37 1.00
17840 13074
itemQ5.10_2:rt_exp.Q -0.14 0.65 -1.41 1.15 1.00
18091 12735
itemQ5.10_3:rt_exp.Q 0.10 1.22 -2.37 2.44 1.00
19009 12486

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ5.10_1	-0.053	0.019	-0.012
b_itemQ5.10_2	-0.019	0.016	0.021
b_itemQ5.10_3	-0.019	-0.001	-0.014
b_itemQ5.10_1:sexMale	-0.354	-0.008	-0.012
b_itemQ5.10_2:sexMale	-0.358	-0.029	0.014
b_itemQ5.10_3:sexMale	-0.417	-0.008	-0.033
b_itemQ5.10_1:divisionRaw	-0.082	-0.006	-0.029
b_itemQ5.10_2:divisionRaw	-0.063	-0.011	0.025
b_itemQ5.10_3:divisionRaw	-0.056	0.002	-0.012
b_itemQ5.10_1:age.L	-0.333	-0.004	0.009
b_itemQ5.10_2:age.L	-0.335	0.003	-0.008
b_itemQ5.10_3:age.L	-0.299	-0.018	-0.005
b_itemQ5.10_1:age.Q	-0.389	-0.024	0.002
b_itemQ5.10_2:age.Q	-0.365	-0.013	-0.011
b_itemQ5.10_3:age.Q	-0.314	0.008	0.012
b_itemQ5.10_1:weight_class.L	-0.335	0.028	-0.029
b_itemQ5.10_2:weight_class.L	-0.396	0.018	0.011
b_itemQ5.10_3:weight_class.L	-0.407	-0.032	-0.015
b_itemQ5.10_1:weight_class.Q	-0.365	0.011	-0.018
b_itemQ5.10_2:weight_class.Q	-0.411	-0.050	0.006
b_itemQ5.10_3:weight_class.Q	-0.386	-0.030	0.017
b_itemQ5.10_1:glp.L	-0.377	-0.023	0.013
b_itemQ5.10_2:glp.L	-0.353	-0.016	0.008
b_itemQ5.10_3:glp.L	-0.296	-0.036	-0.009
b_itemQ5.10_1:glp.Q	-0.414	-0.025	-0.010

itemQ5.11_2:sexMale -0.67 1.37 -3.33 2.06 1.00
18991 11430
itemQ5.11_3:sexMale -0.30 0.96 -2.13 1.68 1.00
17689 11927
itemQ5.11_4:sexMale 5.90 2.40 1.54 10.92 1.00
16742 11602
itemQ5.11_5:sexMale 1.41 0.68 0.09 2.75 1.00
16526 11591
itemQ5.11_6:sexMale 0.29 0.83 -1.27 1.99 1.00
21081 12547
itemQ5.11_7:sexMale -1.38 0.79 -2.94 0.17 1.00
18254 13048
itemQ5.11_8:sexMale -1.51 3.48 -8.46 5.15 1.00
18775 11707
itemQ5.11_9:sexMale 2.05 1.36 -0.33 5.02 1.00
18794 10932
itemQ5.11_1:divisionRaw 1.72 2.12 -1.83 6.48 1.00
14564 8757
itemQ5.11_10:divisionRaw -6.51 3.84 -14.19 0.90
1.00 17515 12514
itemQ5.11_11:divisionRaw 3.79 2.08 0.36 8.52
1.00 13520 8663
itemQ5.11_12:divisionRaw -0.83 2.70 -5.99 4.67
1.00 16728 11953
itemQ5.11_13:divisionRaw -1.48 1.54 -4.33 1.68
1.00 17560 11090
itemQ5.11_14:divisionRaw 1.35 2.34 -2.82 6.39
1.00 17979 10828
itemQ5.11_15:divisionRaw 0.37 1.12 -1.73 2.65
1.00 13707 9931
itemQ5.11_2:divisionRaw -3.60 1.91 -7.39 0.16
1.00 14697 11928
itemQ5.11_3:divisionRaw 1.93 2.30 -1.91 7.10 1.00
13879 8740
itemQ5.11_4:divisionRaw -6.98 2.62 -12.38 -1.99
1.00 16311 13206
itemQ5.11_5:divisionRaw 1.00 1.17 -1.24 3.44 1.00
13643 11386
itemQ5.11_6:divisionRaw -2.12 1.14 -4.34 0.13
1.00 14214 12119
itemQ5.11_7:divisionRaw 0.79 1.41 -1.74 3.81 1.00
14727 11080
itemQ5.11_8:divisionRaw -6.52 3.89 -14.43 0.76
1.00 18151 12629
itemQ5.11_9:divisionRaw -2.44 1.41 -5.29 0.24
1.00 18177 11942
itemQ5.11_1:age.L -0.11 0.95 -2.05 1.71 1.00
21348 11964
itemQ5.11_10:age.L -0.65 3.90 -8.19 7.08 1.00
23310 13968
itemQ5.11_11:age.L 0.16 0.71 -1.25 1.54 1.00
18502 12518
itemQ5.11_12:age.L -1.91 3.53 -8.81 5.08 1.00
20304 12350
itemQ5.11_13:age.L 1.59 1.21 -0.64 4.12 1.00
17791 11150
itemQ5.11_14:age.L -0.06 1.70 -3.45 3.29 1.00
20641 12520
itemQ5.11_15:age.L -0.18 0.66 -1.50 1.11 1.00
18109 13619
itemQ5.11_2:age.L -2.10 1.70 -5.55 1.18 1.00
16476 12254
itemQ5.11_3:age.L 0.29 1.21 -2.20 2.55 1.00
17420 11527
itemQ5.11_4:age.L -3.22 1.96 -7.27 0.40 1.00
17866 13446
itemQ5.11_5:age.L -1.77 0.71 -3.20 -0.40 1.00
18221 13177

itemQ5.12_2:sexMale 0.58 0.96 -1.22 2.51 1.00
12213 10917
itemQ5.12_3:sexMale 1.69 0.93 -0.03 3.65 1.00
14595 10925
itemQ5.12_4:sexMale -0.31 0.92 -2.06 1.57 1.00
15051 12043
itemQ5.12_5:sexMale -1.77 0.67 -3.11 -0.47 1.00
12972 11915
itemQ5.12_6:sexMale -0.68 0.79 -2.22 0.91 1.00
12937 11445
itemQ5.12_7:sexMale 0.17 0.68 -1.12 1.52 1.00
13154 11982
itemQ5.12_8:sexMale -0.42 0.72 -1.82 1.02 1.00
13458 12113
itemQ5.12_9:sexMale -0.40 0.80 -1.96 1.19 1.00
13983 12706
itemQ5.12_1:divisionRaw -3.11 1.29 -5.83 -0.79
1.00 9561 8862
itemQ5.12_10:divisionRaw -3.86 3.42 -10.62 2.83
1.00 14839 12208
itemQ5.12_11:divisionRaw -0.87 1.05 -2.95 1.14
1.00 9616 10636
itemQ5.12_12:divisionRaw -0.80 1.68 -3.90 2.64
1.00 13553 10132
itemQ5.12_13:divisionRaw -0.32 1.17 -2.55 2.04
1.00 10341 10306
itemQ5.12_14:divisionRaw 3.00 2.13 -0.61 7.82
1.00 11292 9719
itemQ5.12_15:divisionRaw 0.44 1.14 -1.69 2.78
1.00 9664 10470
itemQ5.12_2:divisionRaw -1.27 1.27 -3.68 1.34
1.00 10864 11758
itemQ5.12_3:divisionRaw -1.47 1.25 -3.87 1.04
1.00 10880 10988
itemQ5.12_4:divisionRaw 2.06 2.27 -1.70 7.14 1.00
11572 8949
itemQ5.12_5:divisionRaw -0.68 1.13 -2.87 1.57
1.00 10544 11450
itemQ5.12_6:divisionRaw -0.32 1.46 -3.00 2.73
1.00 11217 10885
itemQ5.12_7:divisionRaw 2.99 2.16 -0.55 7.84 1.00
11054 8286
itemQ5.12_8:divisionRaw 2.96 2.12 -0.55 7.85 1.00
11163 7770
itemQ5.12_9:divisionRaw -1.06 1.24 -3.39 1.46
1.00 10996 11062
itemQ5.12_1:age.L -0.62 0.59 -1.77 0.54 1.00
13454 12449
itemQ5.12_10:age.L -3.03 2.95 -9.42 2.04 1.00
16615 11741
itemQ5.12_11:age.L 0.02 0.57 -1.10 1.12 1.00
13222 11939
itemQ5.12_12:age.L -2.38 2.43 -7.99 1.58 1.00
10823 9227
itemQ5.12_13:age.L -0.23 0.72 -1.69 1.14 1.00
14155 11705
itemQ5.12_14:age.L 0.09 0.67 -1.27 1.38 1.00
14972 13231
itemQ5.12_15:age.L 0.42 0.58 -0.72 1.56 1.00
12728 12374
itemQ5.12_2:age.L 1.62 1.06 -0.35 3.89 1.00
15588 10968
itemQ5.12_3:age.L 1.39 0.83 -0.16 3.10 1.00
14933 11235
itemQ5.12_4:age.L -0.37 0.86 -2.15 1.28 1.00
14793 11718
itemQ5.12_5:age.L 1.10 0.64 -0.15 2.37 1.00
13530 11793

b_itemQ5.7_2:glp.Q	-0.244	-0.020	-0.013	itemQ5.8_14:age.L	-0.95	0.91	-2.81	0.74	1.00	itemQ5.9_14:age.L	0.13	0.56	-0.96	1.24	1.00	b_itemQ5.10_2:glp.Q	-0.360	-0.030	-0.011
b_itemQ5.7_3:glp.Q	-0.229	0.009	0.000	13708	11453					16267	12228					b_itemQ5.10_3:glp.Q	-0.336	0.010	-0.010
b_itemQ5.7_1:pl_exp.L	-0.294	-0.066	-0.017	itemQ5.8_15:age.L	0.08	0.89	-1.71	1.82	1.00	itemQ5.9_15:age.L	0.21	0.58	-0.92	1.34	1.00	b_itemQ5.10_1:pl_exp.L	-0.352	0.018	-0.003
b_itemQ5.7_2:pl_exp.L	-0.213	0.021	-0.007	15650	12260					17203	13231					b_itemQ5.10_2:pl_exp.L	-0.350	-0.030	-0.009
b_itemQ5.7_3:pl_exp.L	-0.098	-0.006	0.009	itemQ5.8_16:age.L	0.61	0.66	-0.67	1.91	1.00	itemQ5.9_16:age.L	0.09	0.58	-1.06	1.22	1.00	b_itemQ5.10_3:pl_exp.L	-0.359	0.018	-0.002
b_itemQ5.7_1:pl_exp.Q	-0.205	-0.019	0.012	12905	11840					16286	12504					b_itemQ5.10_1:pl_exp.Q	-0.311	-0.010	0.008
b_itemQ5.7_2:pl_exp.Q	-0.203	-0.015	-0.021	itemQ5.8_17:age.L	0.76	0.67	-0.56	2.09	1.00	itemQ5.9_17:age.L	0.69	0.57	-0.43	1.80	1.00	b_itemQ5.10_2:pl_exp.Q	-0.297	-0.006	0.003
b_itemQ5.7_3:pl_exp.Q	-0.082	-0.008	-0.008	12894	12234					15710	12983					b_itemQ5.10_3:pl_exp.Q	-0.291	-0.044	-0.004
b_itemQ5.7_1:rt_exp.L	0.123	-0.006	-0.007	itemQ5.8_2:age.L	-2.87	2.28	-8.15	0.66	1.00	itemQ5.9_2:age.L	0.88	0.55	-0.18	1.95	1.00	b_itemQ5.10_1:rt_exp.L	-0.065	0.004	0.006
b_itemQ5.7_2:rt_exp.L	0.104	-0.020	0.010	10635	7799					15762	13107					b_itemQ5.10_2:rt_exp.L	-0.071	0.023	0.033
b_itemQ5.7_3:rt_exp.L	0.133	0.014	-0.012	itemQ5.8_3:age.L	-0.89	3.19	-7.17	5.52	1.00	itemQ5.9_3:age.L	1.01	0.68	-0.29	2.38	1.00	b_itemQ5.10_3:rt_exp.L	-0.089	-0.005	-0.027
b_itemQ5.7_1:rt_exp.Q	0.123	-0.015	0.003	15661	12258					18389	12319					b_itemQ5.10_1:rt_exp.Q	-0.029	0.009	0.013
b_itemQ5.7_2:rt_exp.Q	0.124	-0.016	0.012	itemQ5.8_4:age.L	-1.41	0.80	-3.08	0.07	1.00	itemQ5.9_4:age.L	0.43	0.57	-0.68	1.54	1.00	b_itemQ5.10_2:rt_exp.Q	-0.043	0.023	0.014
b_itemQ5.7_3:rt_exp.Q	0.121	0.005	0.001	12031	10559					14677	12897					b_itemQ5.10_3:rt_exp.Q	-0.080	-0.017	-0.029
b_Intercept	NA	NA	NA	itemQ5.8_5:age.L	-1.90	2.63	-7.80	2.42	1.00	itemQ5.9_5:age.L	0.43	0.85	-1.23	2.12	1.00	b_Intercept	NA	NA	NA
b_sexMale	NA	NA	NA	12282	9435					22484	12363					b_sexMale	NA	NA	NA
b_divisionRaw	NA	NA	NA	itemQ5.8_6:age.L	-1.74	1.15	-4.21	0.28	1.00	itemQ5.9_6:age.L	0.34	0.56	-0.77	1.42	1.00	b_divisionRaw	NA	NA	NA
b_age.L	NA	NA	NA	12458	9759					15895	13052					b_age.L	NA	NA	NA
b_weight_class.L	NA	NA	NA	itemQ5.8_7:age.L	-0.51	0.76	-2.00	0.95	1.00	itemQ5.9_7:age.L	-0.07	1.02	-2.09	1.95	1.00	b_weight_class.L	NA	NA	NA
b_glp.L	NA	NA	NA	14500	12559					20443	12887					b_glp.L	NA	NA	NA
b_pl_exp.L	NA	NA	NA	itemQ5.8_8:age.L	-0.03	0.97	-1.98	1.81	1.00	itemQ5.9_8:age.L	-1.40	0.80	-3.08	0.08	1.00	b_pl_exp.L	NA	NA	NA
b_rt_exp.L	NA	NA	NA	15970	11937					17570	12372					b_rt_exp.L	NA	NA	NA
r_ResponseId__Intercept	NA	NA	NA	itemQ5.8_9:age.L	-1.30	1.06	-3.44	0.68	1.00	itemQ5.9_9:age.L	-0.63	0.57	-1.77	0.48	1.00	r_ResponseId__Intercept	NA	NA	NA
				15440	12635					16083	12399								
				itemQ5.8_1:age.Q	-1.14	0.64	-2.50	0.02	1.00	itemQ5.9_1:age.Q	0.30	0.35	-0.37	0.99	1.00				
				12833	10254					14850	12608								
				itemQ5.8_10:age.Q	-0.03	0.58	-1.21	1.08	1.00	itemQ5.9_10:age.Q	0.26	0.35	-0.43	0.94	1.00				
				15401	11892					16524	12767								
				itemQ5.8_11:age.Q	-1.95	1.45	-5.32	0.36	1.00	itemQ5.9_11:age.Q	-0.02	0.51	-1.06	0.97	1.00				
				9221	7783					20191	11245								
				itemQ5.8_12:age.Q	0.54	3.61	-6.60	7.54	1.00	itemQ5.9_12:age.Q	-0.56	1.79	-4.24	2.86	1.00				
				14853	12027					19102	11792								
				itemQ5.8_13:age.Q	-0.04	0.58	-1.19	1.09	1.00	itemQ5.9_13:age.Q	0.33	0.46	-0.58	1.24	1.00				
				15053	11773					18541	13211								
				itemQ5.8_14:age.Q	0.06	0.57	-1.09	1.13	1.00	itemQ5.9_14:age.Q	-0.70	0.37	-1.44	0.01	1.00				
				13662	11467					15213	12966								
				itemQ5.8_15:age.Q	0.54	0.60	-0.67	1.72	1.00	itemQ5.9_15:age.Q	-0.41	0.39	-1.17	0.34	1.00				
				15694	11681					16456	13018								
				itemQ5.8_16:age.Q	0.67	0.43	-0.18	1.51	1.00	itemQ5.9_16:age.Q	-0.55	0.38	-1.31	0.19	1.00				
				13747	12363					15993	11665								
				itemQ5.8_17:age.Q	0.51	0.44	-0.35	1.38	1.00	itemQ5.9_17:age.Q	0.07	0.38	-0.68	0.81	1.00				
				13935	12706					15798	11666								
				itemQ5.8_2:age.Q	-1.81	1.37	-4.93	0.40	1.00	itemQ5.9_2:age.Q	-0.06	0.36	-0.75	0.64	1.00				
				10500	8327					16184	12637								
				itemQ5.8_3:age.Q	-2.75	2.21	-7.60	1.07	1.00	itemQ5.9_3:age.Q	0.12	0.47	-0.82	1.02	1.00				
				15727	10123					19776	12076								
				itemQ5.8_4:age.Q	-0.47	0.50	-1.51	0.46	1.00	itemQ5.9_4:age.Q	0.60	0.39	-0.15	1.37	1.00				
				13273	11726					18421	12733								
				itemQ5.8_5:age.Q	-0.04	1.71	-3.67	3.07	1.00	itemQ5.9_5:age.Q	1.21	0.68	-0.09	2.59	1.00				
				12367	10009					23047	12002								
				itemQ5.8_6:age.Q	-0.57	0.68	-2.01	0.66	1.00	itemQ5.9_6:age.Q	-0.09	0.37	-0.83	0.63	1.00				
				13975	10178					17056	12248								
				itemQ5.8_7:age.Q	0.22	0.49	-0.72	1.20	1.00	itemQ5.9_7:age.Q	-0.71	0.69	-2.14	0.61	1.00				
				14264	11899					22961	11663								
				itemQ5.8_8:age.Q	0.10	0.63	-1.17	1.30	1.00	itemQ5.9_8:age.Q	0.05	0.53	-1.00	1.07	1.00				
				17430	11851					17781	11724								
				itemQ5.8_9:age.Q	-0.52	0.64	-1.82	0.70	1.00	itemQ5.9_9:age.Q	0.62	0.39	-0.15	1.38	1.00				
				18757	11804					16429	11835								
				itemQ5.8_1:weight_class.L	0.08	0.57	-1.03	1.22	1.00	itemQ5.9_1:weight_class.L	0.24	0.44	-0.60	1.11	1.00				
				12650	11587					14261	11985								
				itemQ5.8_10:weight_class.L	0.45	0.71	-0.91	1.89	1.00	itemQ5.9_10:weight_class.L	0.02	0.44	-0.84	0.86	1.00				
				13498	12417					16104	13065								
				itemQ5.8_11:weight_class.L	4.49	2.32	1.00	10.01		itemQ5.9_11:weight_class.L	-0.67	0.63	-1.91	0.57					
				1.00	9592	6537				1.00	18210	11772							
				itemQ5.8_12:weight_class.L	0.68	3.87	-6.78	8.43	1.00	itemQ5.9_12:weight_class.L	3.58	2.48	-0.45	9.23	1.00				
				19060	12563					19909	11874								
				itemQ5.8_13:weight_class.L	1.35	0.78	-0.10	2.96	1.00	itemQ5.9_13:weight_class.L	-0.59	0.58	-1.72	0.56					
				13739	10798					1.00	18364	12992							

itemQ5.11_6:age.L	0.43	0.95	-1.43	2.32	1.00	itemQ5.12_6:age.L	1.06	0.76	-0.41	2.57	1.00								
19974	13062					15009	12367												
itemQ5.11_7:age.L	-0.23	0.95	-2.16	1.60	1.00	itemQ5.12_7:age.L	0.10	0.69	-1.27	1.44	1.00								
19454	12002					14058	12102												
itemQ5.11_8:age.L	-0.66	3.93	-8.38	7.00	1.00	itemQ5.12_8:age.L	-0.78	0.77	-2.34	0.67	1.00								
22913	12621					13876	11365												
itemQ5.11_9:age.L	0.18	1.23	-2.40	2.49	1.00	itemQ5.12_9:age.L	1.01	0.86	-0.66	2.73	1.00								
19215	11896					16615	11264												
itemQ5.11_1:age.Q	0.35	0.63	-0.89	1.59	1.00	itemQ5.12_1:age.Q	-0.37	0.41	-1.17	0.43	1.00								
22463	12770					13384	12815												
itemQ5.11_10:age.Q	-0.50	3.18	-6.89	5.55	1.00	itemQ5.12_10:age.Q	3.84	3.15	-1.79	10.49	1.00								
19445	12361					13576	12538												
itemQ5.11_11:age.Q	-0.10	0.47	-1.02	0.80	1.00	itemQ5.12_11:age.Q	-0.01	0.40	-0.81	0.78	1.00								
21321	13350					14085	12431												
itemQ5.11_12:age.Q	-3.88	2.44	-9.21	0.42	1.00	itemQ5.12_12:age.Q	-3.26	1.47	-6.59	-0.86	1.00								
17998	11279					10221	8055												
itemQ5.11_13:age.Q	0.17	0.77	-1.43	1.63	1.00	itemQ5.12_13:age.Q	-1.09	0.49	-2.08	-0.15	1.00								
19494	10801					14270	12074												
itemQ5.11_14:age.Q	0.83	1.31	-1.69	3.49	1.00	itemQ5.12_14:age.Q	0.43	0.50	-0.57	1.40	1.00								
20746	11887					16208	11849												
itemQ5.11_15:age.Q	0.32	0.43	-0.53	1.15	1.00	itemQ5.12_15:age.Q	-0.08	0.41	-0.88	0.71	1.00								
20222	12720					13297	12490												
itemQ5.11_2:age.Q	-0.20	1.03	-2.29	1.74	1.00	itemQ5.12_2:age.Q	-1.44	0.70	-2.91	-0.19	1.00								
20228	12410					15502	11836												
itemQ5.11_3:age.Q	-0.57	0.76	-2.15	0.84	1.00	itemQ5.12_3:age.Q	-0.37	0.56	-1.50	0.70	1.00								
20563	11803					16560	11942												
itemQ5.11_4:age.Q	2.77	1.69	-0.38	6.33	1.00	itemQ5.12_4:age.Q	0.50	0.62	-0.74	1.70	1.00								
17725	10922					17620	12648												
itemQ5.11_5:age.Q	-0.21	0.45	-1.10	0.67	1.00	itemQ5.12_5:age.Q	0.76	0.47	-0.16	1.69	1.00								
21160	12685					14267	12188												
itemQ5.11_6:age.Q	-1.01	0.58	-2.21	0.07	1.00	itemQ5.12_6:age.Q	0.08	0.57	-1.05	1.17	1.00								
23371	12038					15739	10994												
itemQ5.11_7:age.Q	-0.84	0.59	-2.05	0.28	1.00	itemQ5.12_7:age.Q	-0.96	0.47	-1.90	-0.04	1.00								
21063	13091					15325	12585												
itemQ5.11_8:age.Q	-0.47	3.12	-6.80	5.53	1.00	itemQ5.12_8:age.Q	-0.18	0.53	-1.25	0.83	1.00								
19101	12486					14107	11773												
itemQ5.11_9:age.Q	-0.43	0.77	-2.00	1.00	1.00	itemQ5.12_9:age.Q	-0.58	0.59	-1.79	0.53	1.00								
19718	11848					15961	11985												
itemQ5.11_1:weight_class.L	1.75	0.99	0.04	3.94		itemQ5.12_1:weight_class.L	-0.65	0.48	-1.61	0.29									
1.00	17522	11283				1.00	12643	11825											
itemQ5.11_10:weight_class.L	2.34	3.15	-3.33	9.02		itemQ5.12_10:weight_class.L	0.40	3.39	-6.30	7.10									
1.00	19446	12324				1.00	17722	13116											
itemQ5.11_11:weight_class.L	1.19	0.66	-0.02	2.55		itemQ5.12_11:weight_class.L	-0.01	0.48	-0.94	0.90									
1.00	15880	11972				1.00	11839	11711											
itemQ5.11_12:weight_class.L	4.42	2.80	-0.35	10.50		itemQ5.12_12:weight_class.L	-0.08	0.93	-1.86	1.79									
1.00	16568	12104				1.00	16045	12669											
itemQ5.11_13:weight_class.L	3.44	2.28	0.01	8.82		itemQ5.12_13:weight_class.L	0.34	0.55	-0.73	1.43									
1.00	11539	8347				1.00	12912	11957											
itemQ5.11_14:weight_class.L	-0.79	1.26	-3.39	1.66		itemQ5.12_14:weight_class.L	0.27	0.65	-0.99	1.58									
1.00	17341	10986				1.00	15124	12688											
itemQ5.11_15:weight_class.L	0.24	0.50	-0.73	1.23		itemQ5.12_15:weight_class.L	0.19	0.49	-0.77	1.17									
1.00	18373	12702				1.00	11838	13078											
itemQ5.11_2:weight_class.L	0.34	1.12	-1.73	2.69		itemQ5.12_2:weight_class.L	0.26	0.80	-1.23	1.91									
1.00	21468	11939				1.00	12718	11792											
itemQ5.11_3:weight_class.L	-0.07	0.75	-1.52	1.45		itemQ5.12_3:weight_class.L	-0.27	0.68	-1.57	1.11									
1.00	18854	13268				1.00	13541	12438											
itemQ5.11_4:weight_class.L	-1.45	1.60	-4.70	1.65		itemQ5.12_4:weight_class.L	0.12	0.71	-1.23	1.56									
1.00	19579	12078				1.00	14732	12624											
itemQ5.11_5:weight_class.L	-1.38	0.56	-2.49	-0.32		itemQ5.12_5:weight_class.L	0.43	0.61	-0.72	1.68									
1.00	16540	13869				1.00	13607	11700											
itemQ5.11_6:weight_class.L	0.87	0.77	-0.55	2.49		itemQ5.12_6:weight_class.L	-0.89	0.68	-2.24	0.45									
1.00	16409	12350				1.00	14777	12250											
itemQ5.11_7:weight_class.L	0.38	0.66	-0.87	1.71		itemQ5.12_7:weight_class.L	-0.36	0.53	-1.40	0.69									
1.00	18413	14269				1.00	12663	12805											
itemQ5.11_8:weight_class.L	2.39	3.17	-3.30	9.13		itemQ5.12_8:weight_class.L	-0.16	0.56	-1.26	0.94									
1.00	19627	12323				1.00	13727	12186											
itemQ5.11_9:weight_class.L	1.22	0.85	-0.35	2.99		itemQ5.12_9:weight_class.L	-0.19	0.72	-1.55	1.28									
1.00	16615	11533				1.00	13339	12055											

itemQ5.8_14:weight_class.L -0.08 0.64 -1.34 1.17 1.00 11952 11379 itemQ5.8_15:weight_class.L 1.01 0.79 -0.48 2.65 1.00 14148 11273 itemQ5.8_16:weight_class.L -0.01 0.54 -1.05 1.06 1.00 11935 11931 itemQ5.8_17:weight_class.L 0.53 0.59 -0.62 1.72 1.00 12280 10672 itemQ5.8_2:weight_class.L 1.15 1.09 -0.83 3.47 1.00 15346 10001 itemQ5.8_3:weight_class.L 2.88 2.49 -1.27 8.46 1.00 16374 10389 itemQ5.8_4:weight_class.L -0.09 0.52 -1.10 0.94 1.00 10831 11614 itemQ5.8_5:weight_class.L 0.83 1.19 -1.35 3.31 1.00 17318 11422 itemQ5.8_6:weight_class.L 0.02 0.67 -1.29 1.37 1.00 13431 12561 itemQ5.8_7:weight_class.L -1.28 0.62 -2.53 -0.11 1.00 11762 11939 itemQ5.8_8:weight_class.L 1.20 1.02 -0.59 3.41 1.00 12982 8752 itemQ5.8_9:weight_class.L 3.07 2.37 -0.52 8.64 1.00 8989 7453 itemQ5.8_1:weight_class.Q 0.33 0.47 -0.58 1.28 1.00 14310 11995 itemQ5.8_10:weight_class.Q -0.51 0.53 -1.57 0.52 1.00 14021 11820 itemQ5.8_11:weight_class.Q -2.18 1.41 -5.46 0.09 1.00 9625 6818 itemQ5.8_12:weight_class.Q -1.95 3.14 -8.29 4.05 1.00 18877 12987 itemQ5.8_13:weight_class.Q 0.20 0.63 -1.07 1.43 1.00 13383 11819 itemQ5.8_14:weight_class.Q 0.46 0.53 -0.56 1.53 1.00 14956 12495 itemQ5.8_15:weight_class.Q 1.02 0.73 -0.36 2.48 1.00 15535 12088 itemQ5.8_16:weight_class.Q 0.36 0.45 -0.51 1.24 1.00 13540 12277 itemQ5.8_17:weight_class.Q 0.02 0.47 -0.89 0.94 1.00 12176 12135 itemQ5.8_2:weight_class.Q -0.53 0.77 -2.08 0.92 1.00 14955 11200 itemQ5.8_3:weight_class.Q 2.63 2.73 -2.12 8.62 1.00 15639 10876 itemQ5.8_4:weight_class.Q -0.10 0.42 -0.93 0.74 1.00 13414 11866 itemQ5.8_5:weight_class.Q 4.00 2.53 0.16 10.05 1.00 16831 9655 itemQ5.8_6:weight_class.Q 0.46 0.58 -0.65 1.64 1.00 14744 11409 itemQ5.8_7:weight_class.Q -1.09 0.57 -2.24 -0.03 1.00 15584 11488 itemQ5.8_8:weight_class.Q -0.05 0.74 -1.55 1.34 1.00 14003 10463 itemQ5.8_9:weight_class.Q -3.78 1.43 -7.09 -1.55 1.00 9245 7693 itemQ5.8_1:glp.L 0.17 0.15 -0.10 0.47 1.00 14021 11456 itemQ5.8_10:glp.L 0.22 0.18 -0.12 0.58 1.00 15459 11420 itemQ5.8_11:glp.L 0.80 0.30 0.24 1.42 1.00 13832 10709 itemQ5.8_12:glp.L 2.10 0.99 0.41 4.31 1.00 12267 11688 itemQ5.8_13:glp.L -0.20 0.15 -0.49 0.08 1.00 14525 11730	itemQ5.9_14:weight_class.L -0.20 0.45 -1.08 0.68 1.00 15451 12868 itemQ5.9_15:weight_class.L 0.20 0.50 -0.76 1.19 1.00 16405 12606 itemQ5.9_16:weight_class.L -0.57 0.48 -1.51 0.36 1.00 15989 12361 itemQ5.9_17:weight_class.L -0.19 0.49 -1.15 0.78 1.00 15983 12234 itemQ5.9_2:weight_class.L 0.74 0.44 -0.13 1.61 1.00 14980 12882 itemQ5.9_3:weight_class.L 0.69 0.73 -0.63 2.24 1.00 16347 11850 itemQ5.9_4:weight_class.L -0.22 0.50 -1.19 0.77 1.00 15323 13272 itemQ5.9_5:weight_class.L 3.56 2.40 -0.06 9.12 1.00 12902 9292 itemQ5.9_6:weight_class.L -0.35 0.45 -1.24 0.55 1.00 15797 12098 itemQ5.9_7:weight_class.L 1.13 1.05 -0.70 3.44 1.00 16256 10715 itemQ5.9_8:weight_class.L 0.06 0.61 -1.11 1.26 1.00 18751 11811 itemQ5.9_9:weight_class.L -0.26 0.46 -1.16 0.65 1.00 14438 12469 itemQ5.9_1:weight_class.Q 0.20 0.35 -0.47 0.88 1.00 15277 11829 itemQ5.9_10:weight_class.Q 0.31 0.35 -0.37 1.01 1.00 17189 12651 itemQ5.9_11:weight_class.Q 0.45 0.52 -0.58 1.48 1.00 19968 13235 itemQ5.9_12:weight_class.Q 2.71 2.86 -2.34 8.96 1.00 19200 12365 itemQ5.9_13:weight_class.Q 0.30 0.48 -0.64 1.25 1.00 19658 12601 itemQ5.9_14:weight_class.Q -0.60 0.36 -1.33 0.11 1.00 16454 13039 itemQ5.9_15:weight_class.Q -1.64 0.39 -2.41 -0.90 1.00 17269 12812 itemQ5.9_16:weight_class.Q -1.07 0.37 -1.82 -0.36 1.00 16869 12819 itemQ5.9_17:weight_class.Q -0.82 0.39 -1.57 -0.06 1.00 16828 13292 itemQ5.9_2:weight_class.Q -0.03 0.35 -0.73 0.67 1.00 16554 12534 itemQ5.9_3:weight_class.Q -0.89 0.53 -2.00 0.13 1.00 18400 11654 itemQ5.9_4:weight_class.Q -0.04 0.40 -0.82 0.74 1.00 16711 12972 itemQ5.9_5:weight_class.Q -1.35 1.49 -4.68 1.08 1.00 12838 9403 itemQ5.9_6:weight_class.Q -0.12 0.37 -0.84 0.60 1.00 16890 12739 itemQ5.9_7:weight_class.Q -0.29 0.77 -1.88 1.16 1.00 16293 10181 itemQ5.9_8:weight_class.Q -0.37 0.49 -1.32 0.58 1.00 18999 13064 itemQ5.9_9:weight_class.Q 0.48 0.39 -0.28 1.24 1.00 17111 11992 itemQ5.9_1:glp.L 0.00 0.09 -0.16 0.17 1.00 17304 12645 itemQ5.9_10:glp.L -0.14 0.09 -0.31 0.02 1.00 16751 12574 itemQ5.9_11:glp.L 0.02 0.15 -0.26 0.32 1.00 19676 11580 itemQ5.9_12:glp.L 0.54 0.51 -0.36 1.64 1.00 18884 11713 itemQ5.9_13:glp.L 0.13 0.15 -0.14 0.44 1.00 20733 13217	itemQ5.11_1:weight_class.Q -0.22 0.78 -1.80 1.26 1.00 18142 11314 itemQ5.11_10:weight_class.Q 2.37 3.23 -3.48 9.17 1.00 21718 12274 itemQ5.11_11:weight_class.Q -0.65 0.52 -1.68 0.36 1.00 16723 12569 itemQ5.11_12:weight_class.Q 2.65 3.07 -2.71 9.36 1.00 19340 11986 itemQ5.11_13:weight_class.Q -1.61 1.44 -4.92 0.76 1.00 12439 8669 itemQ5.11_14:weight_class.Q 3.85 2.57 -0.11 9.72 1.00 20128 10636 itemQ5.11_15:weight_class.Q -0.18 0.45 -1.05 0.71 1.00 19399 13218 itemQ5.11_2:weight_class.Q -0.41 1.03 -2.40 1.64 1.00 19945 11952 itemQ5.11_3:weight_class.Q 0.51 0.74 -0.87 2.04 1.00 23728 12279 itemQ5.11_4:weight_class.Q 0.13 1.50 -2.71 3.20 1.00 18616 12603 itemQ5.11_5:weight_class.Q -0.07 0.47 -1.00 0.84 1.00 18478 13065 itemQ5.11_6:weight_class.Q -1.19 0.58 -2.36 -0.09 1.00 17476 11838 itemQ5.11_7:weight_class.Q -0.82 0.55 -1.91 0.24 1.00 19344 11759 itemQ5.11_8:weight_class.Q 2.33 3.21 -3.55 9.10 1.00 22089 12940 itemQ5.11_9:weight_class.Q 0.31 0.72 -1.09 1.76 1.00 20454 13018 itemQ5.11_1:glp.L 0.04 0.16 -0.27 0.36 1.00 19494 12982 itemQ5.11_10:glp.L 0.06 0.90 -1.65 1.90 1.00 17168 13529 itemQ5.11_11:glp.L 0.05 0.13 -0.19 0.31 1.00 18694 11555 itemQ5.11_12:glp.L -0.63 0.50 -1.69 0.25 1.00 15257 11319 itemQ5.11_13:glp.L -0.13 0.17 -0.48 0.19 1.00 21481 13285 itemQ5.11_14:glp.L 0.42 0.37 -0.25 1.21 1.00 18881 11863 itemQ5.11_15:glp.L 0.03 0.12 -0.19 0.26 1.00 17894 12528 itemQ5.11_2:glp.L 0.16 0.33 -0.45 0.86 1.00 18958 12002 itemQ5.11_3:glp.L -0.02 0.18 -0.37 0.33 1.00 18622 12978 itemQ5.11_4:glp.L -0.73 0.48 -1.72 0.15 1.00 17958 12413 itemQ5.11_5:glp.L -0.17 0.12 -0.42 0.06 1.00 17278 12871 itemQ5.11_6:glp.L 0.04 0.15 -0.23 0.34 1.00 18066 12736 itemQ5.11_7:glp.L 0.27 0.18 -0.05 0.64 1.00 16610 12235 itemQ5.11_8:glp.L 0.07 0.91 -1.66 1.94 1.00 16048 12690 itemQ5.11_9:glp.L 0.53 0.28 0.04 1.14 1.00 15512 10604 itemQ5.11_1:glp.Q 1.09 2.06 -3.06 5.01 1.00 24085 12827 itemQ5.11_10:glp.Q -1.61 4.69 -10.84 7.56 1.00 32382 12410 itemQ5.11_11:glp.Q -1.26 1.77 -4.87 2.10 1.00 26183 12250 itemQ5.11_12:glp.Q 0.64 3.94 -7.30 8.17 1.00 22161 12539	itemQ5.12_1:weight_class.Q 0.09 0.42 -0.73 0.92 1.00 13217 12229 itemQ5.12_10:weight_class.Q -4.00 2.67 -9.68 0.81 1.00 16053 11853 itemQ5.12_11:weight_class.Q 0.10 0.42 -0.71 0.92 1.00 12645 12352 itemQ5.12_12:weight_class.Q -0.77 0.75 -2.28 0.68 1.00 16383 11839 itemQ5.12_13:weight_class.Q -0.77 0.47 -1.70 0.15 1.00 13568 12610 itemQ5.12_14:weight_class.Q -1.06 0.54 -2.14 -0.00 1.00 12977 12008 itemQ5.12_15:weight_class.Q -0.80 0.42 -1.65 0.01 1.00 11530 12316 itemQ5.12_2:weight_class.Q -0.52 0.64 -1.80 0.70 1.00 11660 11289 itemQ5.12_3:weight_class.Q 0.08 0.57 -1.04 1.20 1.00 13816 12396 itemQ5.12_4:weight_class.Q 0.52 0.73 -0.88 2.03 1.00 16284 12429 itemQ5.12_5:weight_class.Q -0.64 0.50 -1.62 0.32 1.00 12705 12199 itemQ5.12_6:weight_class.Q -0.39 0.60 -1.55 0.78 1.00 12869 12872 itemQ5.12_7:weight_class.Q -0.46 0.46 -1.37 0.46 1.00 12770 12380 itemQ5.12_8:weight_class.Q -0.13 0.50 -1.10 0.86 1.00 13694 11525 itemQ5.12_9:weight_class.Q -0.16 0.61 -1.35 1.02 1.00 14149 12165 itemQ5.12_1:glp.L -0.00 0.11 -0.21 0.21 1.00 13024 12124 itemQ5.12_10:glp.L -0.09 0.91 -1.92 1.69 1.00 13447 11698 itemQ5.12_11:glp.L -0.18 0.11 -0.40 0.04 1.00 14886 12055 itemQ5.12_12:glp.L 0.46 0.29 -0.04 1.10 1.00 12807 10621 itemQ5.12_13:glp.L 0.09 0.13 -0.16 0.37 1.00 14556 11640 itemQ5.12_14:glp.L 0.11 0.14 -0.16 0.41 1.00 15667 11929 itemQ5.12_15:glp.L 0.00 0.10 -0.20 0.21 1.00 13584 11905 itemQ5.12_2:glp.L 0.13 0.19 -0.22 0.53 1.00 14873 10967 itemQ5.12_3:glp.L -0.04 0.15 -0.33 0.28 1.00 16219 12217 itemQ5.12_4:glp.L -0.08 0.15 -0.39 0.21 1.00 16169 12392 itemQ5.12_5:glp.L -0.14 0.13 -0.40 0.12 1.00 15510 12114 itemQ5.12_6:glp.L -0.20 0.17 -0.54 0.12 1.00 16989 11967 itemQ5.12_7:glp.L -0.14 0.12 -0.38 0.10 1.00 15000 11366 itemQ5.12_8:glp.L 0.24 0.17 -0.07 0.60 1.00 15256 10828 itemQ5.12_9:glp.L -0.09 0.17 -0.42 0.24 1.00 15025 11697 itemQ5.12_1:glp.Q -0.36 1.57 -3.44 2.73 1.00 16727 12649 itemQ5.12_10:glp.Q -1.36 4.67 -10.59 7.73 1.00 23296 12885 itemQ5.12_11:glp.Q 3.18 1.69 0.02 6.63 1.00 16545 11579 itemQ5.12_12:glp.Q -2.08 3.11 -8.67 3.58 1.00 14893 11383

itemQ5.8_14:glp.L	-0.08	0.14	-0.36	0.20	1.00	15448	11577
itemQ5.8_15:glp.L	0.10	0.17	-0.23	0.45	1.00	15266	11596
itemQ5.8_16:glp.L	0.02	0.11	-0.20	0.23	1.00	12905	11834
itemQ5.8_17:glp.L	0.06	0.11	-0.15	0.29	1.00	13933	12845
itemQ5.8_2:glp.L	0.14	0.23	-0.29	0.63	1.00	16839	13203
itemQ5.8_3:glp.L	0.52	0.51	-0.40	1.60	1.00	17786	11559
itemQ5.8_4:glp.L	0.02	0.11	-0.19	0.23	1.00	13732	12486
itemQ5.8_5:glp.L	-0.01	0.34	-0.65	0.71	1.00	17185	11643
itemQ5.8_6:glp.L	-0.25	0.15	-0.56	0.03	1.00	16085	12792
itemQ5.8_7:glp.L	-0.16	0.13	-0.41	0.08	1.00	14523	11831
itemQ5.8_8:glp.L	-0.07	0.19	-0.44	0.30	1.00	16886	12398
itemQ5.8_9:glp.L	-0.21	0.17	-0.55	0.12	1.00	14292	12184
itemQ5.8_1:glp.Q	-4.09	2.56	-9.47	0.61	1.00	16506	11327
itemQ5.8_10:glp.Q	-5.88	3.19	-12.45	-0.14	1.00	19423	12118
itemQ5.8_11:glp.Q	-6.20	3.70	-13.55	0.91	1.00	15391	12350
itemQ5.8_12:glp.Q	0.21	4.87	-9.43	9.55	1.00	24955	12499
itemQ5.8_13:glp.Q	0.87	2.18	-3.56	5.03	1.00	16502	12584
itemQ5.8_14:glp.Q	-1.84	2.39	-6.84	2.54	1.00	17713	11929

[reached getOption("max.print") -- omitted 79 rows]

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ5.8_1	0.094	0.009	-0.008
b_itemQ5.8_10	0.087	-0.028	0.003
b_itemQ5.8_11	0.199	0.019	0.005
b_itemQ5.8_12	-0.088	0.014	0.002
b_itemQ5.8_13	0.093	0.001	0.010
b_itemQ5.8_14	0.145	0.010	0.003
b_itemQ5.8_15	0.108	-0.009	-0.003
b_itemQ5.8_16	0.114	0.031	-0.028
b_itemQ5.8_17	0.152	0.001	-0.015
b_itemQ5.8_2	0.089	0.017	0.000
b_itemQ5.8_3	0.018	0.022	0.014
b_itemQ5.8_4	0.161	0.001	-0.009
b_itemQ5.8_5	0.067	-0.010	-0.016
b_itemQ5.8_6	0.091	0.038	0.015
b_itemQ5.8_7	0.122	0.019	0.001
b_itemQ5.8_8	0.138	-0.026	0.020
b_itemQ5.8_9	0.167	0.026	0.006
b_itemQ5.8_1:sexMale	-0.169	0.005	-0.025
b_itemQ5.8_10:sexMale	-0.111	-0.005	-0.018
b_itemQ5.8_11:sexMale	-0.121	-0.004	-0.040
b_itemQ5.8_12:sexMale	-0.115	0.008	0.022
b_itemQ5.8_13:sexMale	-0.089	-0.006	-0.002

itemQ5.9_14:glp.L	-0.16	0.09	-0.34	0.01	1.00	17847	12450
itemQ5.9_15:glp.L	0.02	0.09	-0.16	0.20	1.00	17794	11530
itemQ5.9_16:glp.L	0.02	0.09	-0.16	0.21	1.00	17251	12036
itemQ5.9_17:glp.L	0.21	0.11	0.00	0.43	1.00	17919	13086
itemQ5.9_2:glp.L	0.03	0.09	-0.14	0.20	1.00	17913	11616
itemQ5.9_3:glp.L	0.13	0.13	-0.12	0.40	1.00	20027	13000
itemQ5.9_4:glp.L	0.03	0.09	-0.15	0.21	1.00	18084	12527
itemQ5.9_5:glp.L	0.07	0.20	-0.29	0.47	1.00	21161	12518
itemQ5.9_6:glp.L	-0.11	0.09	-0.29	0.06	1.00	18563	12188
itemQ5.9_7:glp.L	-0.06	0.23	-0.51	0.40	1.00	22194	12602
itemQ5.9_8:glp.L	0.08	0.13	-0.17	0.34	1.00	20804	11838
itemQ5.9_9:glp.L	0.02	0.10	-0.16	0.21	1.00	18316	12004
itemQ5.9_1:glp.Q	2.14	1.57	-0.88	5.24	1.00	19939	13178
itemQ5.9_10:glp.Q	1.63	1.51	-1.30	4.55	1.00	21433	11955
itemQ5.9_11:glp.Q	-1.61	2.64	-7.03	3.30	1.00	22785	12350
itemQ5.9_12:glp.Q	-2.26	4.25	-10.88	5.76	1.00	26663	13256
itemQ5.9_13:glp.Q	-4.16	2.60	-9.57	0.48	1.00	22905	11519
itemQ5.9_14:glp.Q	0.52	1.55	-2.51	3.60	1.00	21465	12360

[reached getOption("max.print") -- omitted 79 rows]

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ5.9_1	-0.087	-0.007	0.001
b_itemQ5.9_10	-0.098	0.016	0.012
b_itemQ5.9_11	-0.157	-0.010	0.010
b_itemQ5.9_12	-0.119	0.005	0.000
b_itemQ5.9_13	-0.093	0.027	0.018
b_itemQ5.9_14	-0.073	0.017	0.013
b_itemQ5.9_15	-0.130	0.007	0.031
b_itemQ5.9_16	-0.081	0.024	0.015
b_itemQ5.9_17	-0.083	-0.003	-0.021
b_itemQ5.9_2	-0.108	0.033	0.006
b_itemQ5.9_3	-0.101	0.010	0.009
b_itemQ5.9_4	-0.105	-0.013	0.016
b_itemQ5.9_5	-0.023	-0.027	-0.018
b_itemQ5.9_6	-0.091	0.019	-0.007
b_itemQ5.9_7	-0.111	-0.037	-0.012
b_itemQ5.9_8	-0.085	-0.009	0.017
b_itemQ5.9_9	-0.050	0.022	0.012
b_itemQ5.9_1:sexMale	-0.266	0.027	0.020
b_itemQ5.9_10:sexMale	-0.276	0.003	-0.002
b_itemQ5.9_11:sexMale	-0.177	-0.005	0.013
b_itemQ5.9_12:sexMale	-0.353	0.017	-0.003
b_itemQ5.9_13:sexMale	-0.272	0.011	-0.006

itemQ5.11_13:glp.Q	3.79	2.20	-0.59	8.08	1.00	19168	13127
itemQ5.11_14:glp.Q	-1.41	3.76	-9.10	5.52	1.00	23643	12612
itemQ5.11_15:glp.Q	-1.01	1.56	-4.12	1.97	1.00	24638	12738
itemQ5.11_2:glp.Q	-3.88	3.62	-11.53	2.67	1.00	22468	12331
itemQ5.11_3:glp.Q	-0.19	2.27	-4.90	3.97	1.00	27287	13316
itemQ5.11_4:glp.Q	-4.07	4.05	-12.28	3.52	1.00	25907	12133
itemQ5.11_5:glp.Q	2.93	1.63	-0.21	6.22	1.00	21643	10962
itemQ5.11_6:glp.Q	0.73	1.90	-3.14	4.33	1.00	22942	12202
itemQ5.11_7:glp.Q	-2.47	2.26	-7.31	1.58	1.00	20660	12273
itemQ5.11_8:glp.Q	-1.69	4.64	-10.97	7.30	1.00	29776	10939
itemQ5.11_9:glp.Q	-3.27	3.11	-9.78	2.32	1.00	19620	11119
itemQ5.11_1:pl_exp.L	0.02	0.16	-0.31	0.32	1.00	18583	12637
itemQ5.11_10:pl_exp.L	1.79	0.80	0.46	3.57	1.00	14164	10453
itemQ5.11_11:pl_exp.L	0.04	0.12	-0.19	0.27	1.00	17602	12637
itemQ5.11_12:pl_exp.L	0.67	0.35	0.03	1.43	1.00	13766	10761
itemQ5.11_13:pl_exp.L	0.07	0.17	-0.27	0.39	1.00	19635	11432
itemQ5.11_14:pl_exp.L	-0.35	0.48	-1.44	0.44	1.00	14122	11427
itemQ5.11_15:pl_exp.L	0.11	0.11	-0.10	0.33	1.00	18884	11882

[reached getOption("max.print") -- omitted 53 rows]

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ5.11_1	0.193	0.010	0.001
b_itemQ5.11_10	0.022	0.012	-0.028
b_itemQ5.11_11	0.236	0.019	-0.013
b_itemQ5.11_12	0.095	-0.014	0.011
b_itemQ5.11_13	0.229	0.009	0.019
b_itemQ5.11_14	0.202	-0.013	-0.019
b_itemQ5.11_15	0.186	0.012	-0.007
b_itemQ5.11_2	0.144	0.006	-0.011
b_itemQ5.11_3	0.170	0.013	0.016
b_itemQ5.11_4	0.159	0.033	-0.022
b_itemQ5.11_5	0.191	0.033	-0.002
b_itemQ5.11_6	0.145	0.030	0.010
b_itemQ5.11_7	0.218	-0.009	0.004
b_itemQ5.11_8	0.026	-0.003	0.009
b_itemQ5.11_9	0.160	0.033	-0.001
b_itemQ5.11_1:sexMale	-0.138	-0.007	0.010
b_itemQ5.11_10:sexMale	-0.041	-0.030	-0.019
b_itemQ5.11_11:sexMale	-0.061	0.006	-0.008
b_itemQ5.11_12:sexMale	0.053	-0.012	-0.005
b_itemQ5.11_13:sexMale	0.001	-0.019	0.022
b_itemQ5.11_14:sexMale	-0.082	0.006	-0.019
b_itemQ5.11_15:sexMale	-0.037	0.002	-0.018

itemQ5.12_13:glp.Q	-1.82	1.94	-5.84	1.82	1.00	18264	11497
itemQ5.12_14:glp.Q	-1.31	2.09	-5.65	2.53	1.00	17669	11329
itemQ5.12_15:glp.Q	0.81	1.52	-2.18	3.82	1.00	15144	12069
itemQ5.12_2:glp.Q	-2.24	2.52	-7.57	2.37	1.00	16305	11627
itemQ5.12_3:glp.Q	-1.47	2.19	-5.95	2.63	1.00	18005	11898
itemQ5.12_4:glp.Q	1.26	2.09	-2.96	5.23	1.00	17800	13305
itemQ5.12_5:glp.Q	-4.51	1.94	-8.48	-0.90	1.00	18549	12794
itemQ5.12_6:glp.Q	-5.25	2.52	-10.45	-0.61	1.00	18341	10894
itemQ5.12_7:glp.Q	-2.33	1.81	-6.01	1.11	1.00	17775	11504
itemQ5.12_8:glp.Q	-4.02	2.57	-9.45	0.60	1.00	16490	11500
itemQ5.12_9:glp.Q	-4.78	2.41	-9.84	-0.43	1.00	17898	10545
itemQ5.12_1:pl_exp.L	0.04	0.11	-0.17	0.25	1.00	11105	11460
itemQ5.12_10:pl_exp.L	-1.11	1.01	-3.37	0.48	1.00	12521	10535
itemQ5.12_11:pl_exp.L	0.10	0.10	-0.10	0.31	1.00	11236	11608
itemQ5.12_12:pl_exp.L	-0.19	0.22	-0.67	0.20	1.00	13116	8667
itemQ5.12_13:pl_exp.L	0.13	0.11	-0.10	0.35	1.00	11988	11884
itemQ5.12_14:pl_exp.L	0.21	0.12	-0.02	0.44	1.00	12963	11665
itemQ5.12_15:pl_exp.L	0.04	0.10	-0.16	0.25	1.00	11742	12111

[reached getOption("max.print") -- omitted 53 rows]

Draws were sampled using sampling(NUTS). For each parameter, Bulk_ESS
and Tail_ESS are effective sample size measures, and Rhat is the potential
scale reduction factor on split chains (at convergence, Rhat = 1).

Autocorrelation

	Lag_1	Lag_5	Lag_10
b_itemQ5.12_1	0.157	0.008	0.016
b_itemQ5.12_10	0.043	0.000	0.029
b_itemQ5.12_11	0.137	0.015	-0.005
b_itemQ5.12_12	0.140	0.017	-0.014
b_itemQ5.12_13	0.107	0.020	0.029
b_itemQ5.12_14	0.121	0.006	-0.009
b_itemQ5.12_15	0.126	0.001	-0.016
b_itemQ5.12_2	0.132	0.028	-0.009
b_itemQ5.12_3	0.088	-0.023	0.012
b_itemQ5.12_4	0.108	-0.017	0.001
b_itemQ5.12_5	0.088	-0.006	0.009
b_itemQ5.12_6	0.133	-0.009	0.007
b_itemQ5.12_7	0.138	0.007	0.032
b_itemQ5.12_8	0.209	0.014	-0.010
b_itemQ5.12_9	0.119	-0.024	0.004
b_itemQ5.12_1:sexMale	0.013	0.014	-0.001
b_itemQ5.12_10:sexMale	0.006	-0.015	-0.006
b_itemQ5.12_11:sexMale	0.028	-0.006	0.002
b_itemQ5.12_12:sexMale	-0.020	0.009	-0.024
b_itemQ5.12_13:sexMale	0.007	0.019	0.005
b_itemQ5.12_14:sexMale	-0.014	0.004	0.017
b_itemQ5.12_15:sexMale	0.001	0.022	-0.012

b_itemQ5.8_14:sexMale -0.121 -0.020 -0.039
b_itemQ5.8_15:sexMale -0.126 0.012 -0.014
b_itemQ5.8_16:sexMale -0.183 -0.008 -0.027
b_itemQ5.8_17:sexMale -0.125 0.008 0.006
b_itemQ5.8_2:sexMale -0.141 0.018 0.028
b_itemQ5.8_3:sexMale -0.073 -0.004 -0.003
b_itemQ5.8_4:sexMale -0.084 -0.027 -0.008
b_itemQ5.8_5:sexMale -0.040 -0.027 -0.003
b_itemQ5.8_6:sexMale -0.146 -0.020 0.013
b_itemQ5.8_7:sexMale -0.029 -0.016 -0.018
b_itemQ5.8_8:sexMale -0.112 -0.025 -0.006
b_itemQ5.8_9:sexMale -0.159 -0.021 0.004
b_itemQ5.8_1:divisionRaw -0.006 0.002 -0.020
b_itemQ5.8_10:divisionRaw 0.016 -0.032 0.009
b_itemQ5.8_11:divisionRaw -0.055 0.015 -0.007
b_itemQ5.8_12:divisionRaw -0.069 0.000 0.001
b_itemQ5.8_13:divisionRaw -0.013 0.023 0.002
b_itemQ5.8_14:divisionRaw 0.098 -0.006 0.028
b_itemQ5.8_15:divisionRaw 0.027 -0.021 0.002
b_itemQ5.8_16:divisionRaw 0.084 0.027 -0.015
b_itemQ5.8_17:divisionRaw 0.139 -0.001 -0.011
b_itemQ5.8_2:divisionRaw 0.000 0.035 0.005
b_itemQ5.8_3:divisionRaw -0.044 0.006 -0.001
b_itemQ5.8_4:divisionRaw 0.151 -0.001 -0.011
b_itemQ5.8_5:divisionRaw -0.063 -0.015 0.003
b_itemQ5.8_6:divisionRaw 0.060 0.000 0.024
b_itemQ5.8_7:divisionRaw 0.048 0.006 -0.015
b_itemQ5.8_8:divisionRaw 0.123 -0.013 -0.007
b_itemQ5.8_9:divisionRaw 0.012 0.007 -0.019
b_itemQ5.8_1:age.L 0.021 0.014 0.008
b_itemQ5.8_10:age.L -0.097 -0.011 -0.005
b_itemQ5.8_11:age.L 0.234 0.017 0.009
b_itemQ5.8_12:age.L -0.222 -0.011 -0.002
b_itemQ5.8_13:age.L -0.101 0.011 -0.002
b_itemQ5.8_14:age.L -0.066 0.014 0.022
b_itemQ5.8_15:age.L -0.164 -0.001 -0.008
b_itemQ5.8_16:age.L -0.056 -0.017 0.008
b_itemQ5.8_17:age.L -0.089 0.019 -0.001
b_itemQ5.8_2:age.L 0.146 -0.026 0.018
b_itemQ5.8_3:age.L -0.118 -0.002 -0.010
b_itemQ5.8_4:age.L 0.006 0.031 -0.021
b_itemQ5.8_5:age.L 0.138 0.015 -0.005
b_itemQ5.8_6:age.L -0.034 0.020 -0.001
b_itemQ5.8_7:age.L -0.139 -0.020 -0.011
b_itemQ5.8_8:age.L -0.171 0.001 -0.010
b_itemQ5.8_9:age.L -0.126 0.032 -0.019
b_itemQ5.8_1:age.Q -0.008 -0.022 -0.012
b_itemQ5.8_10:age.Q -0.155 -0.017 0.043
b_itemQ5.8_11:age.Q 0.201 0.013 0.003
b_itemQ5.8_12:age.Q -0.123 0.007 0.011
b_itemQ5.8_13:age.Q -0.182 -0.010 -0.016
b_itemQ5.8_14:age.Q -0.138 0.012 0.007
b_itemQ5.8_15:age.Q -0.161 -0.004 -0.018
b_itemQ5.8_16:age.Q -0.127 -0.010 0.004
b_itemQ5.8_17:age.Q -0.170 -0.010 -0.020
b_itemQ5.8_2:age.Q 0.131 -0.013 0.016
b_itemQ5.8_3:age.Q -0.081 0.010 0.013
b_itemQ5.8_4:age.Q -0.038 0.004 0.013
b_itemQ5.8_5:age.Q 0.114 -0.008 -0.001
b_itemQ5.8_6:age.Q -0.093 0.004 -0.010
b_itemQ5.8_7:age.Q -0.154 0.004 -0.008
b_itemQ5.8_8:age.Q -0.227 -0.007 -0.010
b_itemQ5.8_9:age.Q -0.210 -0.003 -0.004
b_itemQ5.8_1:weight_class.L -0.060 -0.006 -0.007
b_itemQ5.8_10:weight_class.L -0.104 -0.011 -0.001
b_itemQ5.8_11:weight_class.L 0.276 0.060 -0.023
b_itemQ5.8_12:weight_class.L -0.187 -0.041 -0.009
b_itemQ5.8_13:weight_class.L -0.059 -0.039 0.004
b_itemQ5.8_14:weight_class.L -0.119 -0.011 0.033

b_itemQ5.9_14:sexMale -0.263 -0.007 -0.009
b_itemQ5.9_15:sexMale -0.298 -0.022 0.010
b_itemQ5.9_16:sexMale -0.259 -0.011 0.012
b_itemQ5.9_17:sexMale -0.297 -0.035 0.007
b_itemQ5.9_2:sexMale -0.254 -0.020 -0.003
b_itemQ5.9_3:sexMale -0.304 -0.034 0.010
b_itemQ5.9_4:sexMale -0.223 0.024 0.018
b_itemQ5.9_5:sexMale -0.351 0.001 -0.011
b_itemQ5.9_6:sexMale -0.245 -0.032 0.023
b_itemQ5.9_7:sexMale -0.323 -0.004 -0.018
b_itemQ5.9_8:sexMale -0.282 0.008 0.023
b_itemQ5.9_9:sexMale -0.262 0.008 -0.023
b_itemQ5.9_1:divisionRaw -0.125 -0.004 -0.016
b_itemQ5.9_10:divisionRaw -0.140 0.016 0.016
b_itemQ5.9_11:divisionRaw -0.311 0.005 -0.011
b_itemQ5.9_12:divisionRaw -0.216 0.022 -0.021
b_itemQ5.9_13:divisionRaw -0.161 0.007 -0.008
b_itemQ5.9_14:divisionRaw -0.092 0.027 0.011
b_itemQ5.9_15:divisionRaw -0.135 0.011 0.019
b_itemQ5.9_16:divisionRaw -0.117 0.035 0.005
b_itemQ5.9_17:divisionRaw -0.156 0.005 -0.006
b_itemQ5.9_2:divisionRaw -0.118 0.014 -0.004
b_itemQ5.9_3:divisionRaw -0.186 -0.021 -0.007
b_itemQ5.9_4:divisionRaw -0.127 0.002 0.021
b_itemQ5.9_5:divisionRaw -0.228 0.011 -0.020
b_itemQ5.9_6:divisionRaw -0.093 0.033 -0.013
b_itemQ5.9_7:divisionRaw -0.219 0.004 -0.003
b_itemQ5.9_8:divisionRaw -0.090 -0.012 0.006
b_itemQ5.9_9:divisionRaw -0.050 0.028 0.009
b_itemQ5.9_1:age.L -0.232 -0.008 -0.020
b_itemQ5.9_10:age.L -0.213 -0.016 -0.002
b_itemQ5.9_11:age.L -0.282 -0.010 -0.001
b_itemQ5.9_12:age.L -0.215 0.010 -0.020
b_itemQ5.9_13:age.L -0.262 -0.019 0.002
b_itemQ5.9_14:age.L -0.180 0.021 0.004
b_itemQ5.9_15:age.L -0.224 -0.029 -0.024
b_itemQ5.9_16:age.L -0.224 0.013 0.001
b_itemQ5.9_17:age.L -0.237 0.014 0.006
b_itemQ5.9_2:age.L -0.195 -0.021 -0.006
b_itemQ5.9_3:age.L -0.310 0.025 -0.002
b_itemQ5.9_4:age.L -0.187 -0.022 -0.007
b_itemQ5.9_5:age.L -0.352 -0.029 0.017
b_itemQ5.9_6:age.L -0.205 -0.027 -0.020
b_itemQ5.9_7:age.L -0.290 -0.004 -0.015
b_itemQ5.9_8:age.L -0.214 -0.002 -0.011
b_itemQ5.9_9:age.L -0.219 -0.016 -0.010
b_itemQ5.9_1:age.Q -0.210 -0.021 0.009
b_itemQ5.9_10:age.Q -0.227 -0.022 0.004
b_itemQ5.9_11:age.Q -0.317 -0.009 0.020
b_itemQ5.9_12:age.Q -0.247 0.016 0.016
b_itemQ5.9_13:age.Q -0.264 -0.008 -0.025
b_itemQ5.9_14:age.Q -0.200 -0.016 0.012
b_itemQ5.9_15:age.Q -0.252 0.013 0.011
b_itemQ5.9_16:age.Q -0.232 -0.027 0.034
b_itemQ5.9_17:age.Q -0.244 -0.016 0.006
b_itemQ5.9_2:age.Q -0.218 -0.013 0.001
b_itemQ5.9_3:age.Q -0.295 -0.003 0.018
b_itemQ5.9_4:age.Q -0.284 0.002 -0.016
b_itemQ5.9_5:age.Q -0.362 -0.015 0.047
b_itemQ5.9_6:age.Q -0.242 -0.005 0.014
b_itemQ5.9_7:age.Q -0.307 0.008 -0.001
b_itemQ5.9_8:age.Q -0.265 0.003 0.010
b_itemQ5.9_9:age.Q -0.244 0.005 0.013
b_itemQ5.9_1:weight_class.L -0.151 0.038 0.006
b_itemQ5.9_10:weight_class.L -0.175 0.023 0.001
b_itemQ5.9_11:weight_class.L -0.239 0.018 0.017
b_itemQ5.9_12:weight_class.L -0.142 -0.009 0.015
b_itemQ5.9_13:weight_class.L -0.200 -0.003 -0.017
b_itemQ5.9_14:weight_class.L -0.164 0.015 -0.001

b_itemQ5.11_2:sexMale 0.001 0.006 0.010
b_itemQ5.11_3:sexMale -0.053 0.012 0.015
b_itemQ5.11_4:sexMale 0.017 0.001 -0.005
b_itemQ5.11_5:sexMale -0.010 -0.008 0.001
b_itemQ5.11_6:sexMale -0.041 0.013 0.008
b_itemQ5.11_7:sexMale 0.011 0.000 0.004
b_itemQ5.11_8:sexMale 0.036 0.016 0.025
b_itemQ5.11_9:sexMale 0.015 -0.010 0.012
b_itemQ5.11_1:divisionRaw 0.187 -0.020 0.010
b_itemQ5.11_10:divisionRaw 0.036 0.003 -0.006
b_itemQ5.11_11:divisionRaw 0.232 0.030 -0.005
b_itemQ5.11_12:divisionRaw 0.066 0.014 0.003
b_itemQ5.11_13:divisionRaw 0.052 0.004 -0.003
b_itemQ5.11_14:divisionRaw 0.087 0.004 -0.006
b_itemQ5.11_15:divisionRaw 0.157 0.010 -0.010
b_itemQ5.11_2:divisionRaw 0.097 -0.005 -0.010
b_itemQ5.11_3:divisionRaw 0.153 0.022 0.001
b_itemQ5.11_4:divisionRaw 0.055 -0.015 0.002
b_itemQ5.11_5:divisionRaw 0.172 0.020 -0.022
b_itemQ5.11_6:divisionRaw 0.095 0.001 0.006
b_itemQ5.11_7:divisionRaw 0.203 -0.017 -0.005
b_itemQ5.11_8:divisionRaw 0.036 -0.029 0.004
b_itemQ5.11_9:divisionRaw 0.024 -0.012 -0.011
b_itemQ5.11_1:age.L -0.116 0.013 0.001
b_itemQ5.11_10:age.L -0.099 -0.007 -0.021
b_itemQ5.11_11:age.L -0.005 0.000 -0.013
b_itemQ5.11_12:age.L -0.046 0.016 -0.005
b_itemQ5.11_13:age.L -0.019 0.000 0.000
b_itemQ5.11_14:age.L -0.034 0.000 -0.003
b_itemQ5.11_15:age.L -0.039 -0.012 -0.009
b_itemQ5.11_2:age.L 0.047 -0.003 -0.016
b_itemQ5.11_3:age.L -0.019 0.005 -0.010
b_itemQ5.11_4:age.L 0.035 -0.021 0.014
b_itemQ5.11_5:age.L -0.036 -0.003 0.009
b_itemQ5.11_6:age.L -0.085 0.003 0.000
b_itemQ5.11_7:age.L -0.054 -0.006 -0.008
b_itemQ5.11_8:age.L -0.105 -0.016 0.010
b_itemQ5.11_9:age.L -0.012 0.001 -0.011
b_itemQ5.11_1:age.Q -0.157 0.051 0.008
b_itemQ5.11_10:age.Q -0.038 -0.010 0.001
b_itemQ5.11_11:age.Q -0.122 -0.015 -0.016
b_itemQ5.11_12:age.Q 0.033 0.009 -0.015
b_itemQ5.11_13:age.Q -0.092 -0.013 -0.028
b_itemQ5.11_14:age.Q -0.079 -0.015 0.016
b_itemQ5.11_15:age.Q -0.133 -0.024 -0.023
b_itemQ5.11_2:age.Q -0.065 -0.003 0.013
b_itemQ5.11_3:age.Q -0.116 0.006 0.003
b_itemQ5.11_4:age.Q -0.021 -0.017 -0.020
b_itemQ5.11_5:age.Q -0.142 -0.006 -0.007
b_itemQ5.11_6:age.Q -0.146 -0.009 -0.013
b_itemQ5.11_7:age.Q -0.083 0.019 0.004
b_itemQ5.11_8:age.Q -0.011 0.007 -0.034
b_itemQ5.11_9:age.Q -0.021 0.024 -0.015
b_itemQ5.11_1:weight_class.L 0.034 -0.017 -0.015
b_itemQ5.11_10:weight_class.L -0.014 0.004 0.006
b_itemQ5.11_11:weight_class.L -0.006 -0.009 0.019
b_itemQ5.11_12:weight_class.L 0.027 0.034 0.003
b_itemQ5.11_13:weight_class.L 0.326 0.013 0.026
b_itemQ5.11_14:weight_class.L -0.036 0.025 -0.012
b_itemQ5.11_15:weight_class.L -0.039 0.002 -0.027
b_itemQ5.11_2:weight_class.L -0.082 0.001 0.010
b_itemQ5.11_3:weight_class.L -0.041 0.023 0.006
b_itemQ5.11_4:weight_class.L -0.035 0.018 -0.017
b_itemQ5.11_5:weight_class.L 0.007 -0.030 -0.008
b_itemQ5.11_6:weight_class.L 0.036 -0.037 -0.023
b_itemQ5.11_7:weight_class.L -0.081 -0.001 0.010
b_itemQ5.11_8:weight_class.L 0.018 -0.005 0.010
b_itemQ5.11_9:weight_class.L 0.003 0.017 0.017
b_itemQ5.11_1:weight_class.Q -0.042 -0.013 0.000

b_itemQ5.12_2:sexMale 0.003 0.010 -0.004
b_itemQ5.12_3:sexMale -0.015 0.003 0.007
b_itemQ5.12_4:sexMale 0.005 0.021 0.000
b_itemQ5.12_5:sexMale 0.022 0.010 0.003
b_itemQ5.12_6:sexMale 0.025 -0.019 0.005
b_itemQ5.12_7:sexMale 0.015 0.018 -0.018
b_itemQ5.12_8:sexMale 0.034 0.007 0.006
b_itemQ5.12_9:sexMale -0.019 -0.007 0.014
b_itemQ5.12_1:divisionRaw 0.137 0.011 0.003
b_itemQ5.12_10:divisionRaw 0.003 0.000 -0.015
b_itemQ5.12_11:divisionRaw 0.108 0.000 -0.014
b_itemQ5.12_12:divisionRaw 0.031 -0.012 -0.003
b_itemQ5.12_13:divisionRaw 0.092 0.003 0.021
b_itemQ5.12_14:divisionRaw 0.092 0.000 -0.016
b_itemQ5.12_15:divisionRaw 0.097 -0.002 -0.017
b_itemQ5.12_2:divisionRaw 0.065 0.034 0.011
b_itemQ5.12_3:divisionRaw 0.068 0.012 -0.014
b_itemQ5.12_4:divisionRaw 0.102 -0.023 0.001
b_itemQ5.12_5:divisionRaw 0.056 -0.006 0.013
b_itemQ5.12_6:divisionRaw 0.117 -0.007 0.004
b_itemQ5.12_7:divisionRaw 0.132 0.002 0.032
b_itemQ5.12_8:divisionRaw 0.203 0.020 -0.013
b_itemQ5.12_9:divisionRaw 0.053 -0.033 0.010
b_itemQ5.12_1:age.L -0.037 0.018 0.004
b_itemQ5.12_10:age.L 0.010 0.004 -0.016
b_itemQ5.12_11:age.L 0.008 0.018 -0.006
b_itemQ5.12_12:age.L 0.132 0.008 0.023
b_itemQ5.12_13:age.L -0.046 -0.015 0.009
b_itemQ5.12_14:age.L -0.006 -0.037 -0.001
b_itemQ5.12_15:age.L 0.006 0.011 -0.013
b_itemQ5.12_2:age.L -0.044 -0.023 -0.001
b_itemQ5.12_3:age.L -0.045 0.010 -0.009
b_itemQ5.12_4:age.L 0.008 -0.011 -0.010
b_itemQ5.12_5:age.L -0.018 -0.029 0.012
b_itemQ5.12_6:age.L 0.002 0.019 -0.014
b_itemQ5.12_7:age.L 0.006 0.057 -0.003
b_itemQ5.12_8:age.L 0.003 -0.007 0.013
b_itemQ5.12_9:age.L -0.022 -0.006 0.025
b_itemQ5.12_1:age.Q 0.008 0.024 0.007
b_itemQ5.12_10:age.Q 0.010 -0.004 -0.004
b_itemQ5.12_11:age.Q -0.013 0.045 0.004
b_itemQ5.12_12:age.Q 0.171 0.028 0.019
b_itemQ5.12_13:age.Q -0.021 -0.012 0.001
b_itemQ5.12_14:age.Q -0.040 0.020 0.051
b_itemQ5.12_15:age.Q -0.030 0.001 -0.005
b_itemQ5.12_2:age.Q -0.026 -0.009 -0.022
b_itemQ5.12_3:age.Q -0.059 0.000 0.011
b_itemQ5.12_4:age.Q -0.048 0.000 -0.009
b_itemQ5.12_5:age.Q -0.020 0.015 -0.014
b_itemQ5.12_6:age.Q -0.043 -0.013 0.002
b_itemQ5.12_7:age.Q -0.040 0.013 0.000
b_itemQ5.12_8:age.Q -0.002 -0.008 0.020
b_itemQ5.12_9:age.Q -0.035 -0.007 -0.011
b_itemQ5.12_1:weight_class.L 0.016 -0.003 -0.013
b_itemQ5.12_10:weight_class.L -0.058 0.021 -0.030
b_itemQ5.12_11:weight_class.L 0.033 0.007 0.010
b_itemQ5.12_12:weight_class.L -0.064 -0.008 0.002
b_itemQ5.12_13:weight_class.L -0.024 0.016 -0.027
b_itemQ5.12_14:weight_class.L -0.035 0.012 0.012
b_itemQ5.12_15:weight_class.L 0.003 0.004 -0.010
b_itemQ5.12_2:weight_class.L 0.049 -0.001 -0.001
b_itemQ5.12_3:weight_class.L -0.034 0.024 -0.006
b_itemQ5.12_4:weight_class.L -0.013 -0.006 -0.009
b_itemQ5.12_5:weight_class.L -0.005 -0.010 0.012
b_itemQ5.12_6:weight_class.L 0.010 -0.015 -0.022
b_itemQ5.12_7:weight_class.L -0.015 0.032 0.019
b_itemQ5.12_8:weight_class.L -0.051 0.014 0.008
b_itemQ5.12_9:weight_class.L -0.006 0.012 0.001
b_itemQ5.12_1:weight_class.Q -0.015 -0.008 -0.017

b_itemQ5.8_15:weight_class.L -0.099 -0.028 0.008
b_itemQ5.8_16:weight_class.L -0.024 -0.022 0.005
b_itemQ5.8_17:weight_class.L -0.032 -0.027 0.016
b_itemQ5.8_2:weight_class.L -0.079 0.007 0.010
b_itemQ5.8_3:weight_class.L -0.066 -0.008 0.007
b_itemQ5.8_4:weight_class.L -0.035 0.016 0.001
b_itemQ5.8_5:weight_class.L -0.188 -0.045 0.037
b_itemQ5.8_6:weight_class.L -0.111 -0.004 0.009
b_itemQ5.8_7:weight_class.L 0.012 0.007 0.039
b_itemQ5.8_8:weight_class.L 0.006 0.011 -0.018
b_itemQ5.8_9:weight_class.L 0.243 0.075 0.042
b_itemQ5.8_1:weight_class.Q -0.184 -0.032 0.039
b_itemQ5.8_10:weight_class.Q -0.151 0.021 -0.015
b_itemQ5.8_11:weight_class.Q 0.239 0.049 -0.001
b_itemQ5.8_12:weight_class.Q -0.150 -0.016 -0.015
b_itemQ5.8_13:weight_class.Q -0.096 -0.016 0.024
b_itemQ5.8_14:weight_class.Q -0.201 -0.001 0.039
b_itemQ5.8_15:weight_class.Q -0.140 0.008 0.003
b_itemQ5.8_16:weight_class.Q -0.111 0.007 0.036
b_itemQ5.8_17:weight_class.Q -0.104 0.004 0.032
b_itemQ5.8_2:weight_class.Q -0.131 0.014 0.012
b_itemQ5.8_3:weight_class.Q -0.102 0.007 0.020
b_itemQ5.8_4:weight_class.Q -0.156 0.022 0.003
b_itemQ5.8_5:weight_class.Q -0.036 0.005 -0.033
b_itemQ5.8_6:weight_class.Q -0.189 0.010 0.036
b_itemQ5.8_7:weight_class.Q -0.112 0.007 0.014
b_itemQ5.8_8:weight_class.Q -0.059 -0.008 0.036
b_itemQ5.8_9:weight_class.Q 0.243 0.047 0.060
b_itemQ5.8_1:glp.L -0.080 0.017 0.024
b_itemQ5.8_10:glp.L -0.117 -0.009 0.020
b_itemQ5.8_11:glp.L -0.014 0.014 0.013
b_itemQ5.8_12:glp.L 0.038 -0.009 -0.004
b_itemQ5.8_13:glp.L -0.153 0.006 0.012
b_itemQ5.8_14:glp.L -0.176 -0.017 0.005
b_itemQ5.8_15:glp.L -0.147 0.011 0.000
b_itemQ5.8_16:glp.L -0.106 0.034 0.039
b_itemQ5.8_17:glp.L -0.174 0.009 -0.003
b_itemQ5.8_2:glp.L -0.176 -0.002 0.023
b_itemQ5.8_3:glp.L -0.132 0.011 -0.028
b_itemQ5.8_4:glp.L -0.136 0.011 0.016
b_itemQ5.8_5:glp.L -0.216 0.000 -0.008
b_itemQ5.8_6:glp.L -0.119 -0.015 0.018
b_itemQ5.8_7:glp.L -0.116 -0.007 -0.036
b_itemQ5.8_8:glp.L -0.184 0.002 0.004
b_itemQ5.8_9:glp.L -0.121 0.005 -0.011
b_itemQ5.8_1:glp.Q -0.160 0.007 0.011
b_itemQ5.8_10:glp.Q -0.183 0.000 -0.013
b_itemQ5.8_11:glp.Q -0.042 0.012 0.001
b_itemQ5.8_12:glp.Q -0.317 -0.012 -0.018
b_itemQ5.8_13:glp.Q -0.140 -0.009 -0.002
b_itemQ5.8_14:glp.Q -0.200 0.015 -0.017
b_itemQ5.8_15:glp.Q -0.265 -0.022 -0.003
b_itemQ5.8_16:glp.Q -0.190 0.011 0.043
b_itemQ5.8_17:glp.Q -0.152 -0.006 0.026
b_itemQ5.8_2:glp.Q -0.224 -0.024 -0.022
b_itemQ5.8_3:glp.Q -0.274 -0.043 -0.014
b_itemQ5.8_4:glp.Q -0.160 -0.004 0.005
b_itemQ5.8_5:glp.Q -0.224 -0.026 -0.012
b_itemQ5.8_6:glp.Q -0.153 -0.012 0.019
b_itemQ5.8_7:glp.Q -0.166 -0.007 0.023
b_itemQ5.8_8:glp.Q -0.204 0.021 0.023
b_itemQ5.8_9:glp.Q -0.176 -0.008 -0.005
b_itemQ5.8_1:pl_exp.L -0.032 0.023 0.008
b_itemQ5.8_10:pl_exp.L -0.068 0.013 -0.017
b_itemQ5.8_11:pl_exp.L -0.152 -0.023 -0.009
b_itemQ5.8_12:pl_exp.L 0.010 0.016 0.019
b_itemQ5.8_13:pl_exp.L -0.105 -0.022 -0.022
b_itemQ5.8_14:pl_exp.L 0.008 0.001 0.014
b_itemQ5.8_15:pl_exp.L -0.031 -0.011 -0.010

b_itemQ5.9_15:weight_class.L -0.219 -0.021 0.002
b_itemQ5.9_16:weight_class.L -0.223 0.036 0.019
b_itemQ5.9_17:weight_class.L -0.158 0.032 0.026
b_itemQ5.9_2:weight_class.L -0.147 0.017 0.023
b_itemQ5.9_3:weight_class.L -0.174 -0.012 -0.003
b_itemQ5.9_4:weight_class.L -0.141 0.017 0.005
b_itemQ5.9_5:weight_class.L 0.081 -0.014 0.009
b_itemQ5.9_6:weight_class.L -0.177 -0.023 0.032
b_itemQ5.9_7:weight_class.L -0.162 -0.027 -0.005
b_itemQ5.9_8:weight_class.L -0.255 0.023 0.003
b_itemQ5.9_9:weight_class.L -0.174 -0.005 -0.002
b_itemQ5.9_1:weight_class.Q -0.215 0.002 0.020
b_itemQ5.9_10:weight_class.Q -0.247 0.013 0.005
b_itemQ5.9_11:weight_class.Q -0.235 -0.019 0.009
b_itemQ5.9_12:weight_class.Q -0.191 0.003 0.005
b_itemQ5.9_13:weight_class.Q -0.275 -0.026 0.006
b_itemQ5.9_14:weight_class.Q -0.192 0.007 -0.023
b_itemQ5.9_15:weight_class.Q -0.252 0.005 0.010
b_itemQ5.9_16:weight_class.Q -0.240 -0.022 -0.013
b_itemQ5.9_17:weight_class.Q -0.239 -0.026 -0.011
b_itemQ5.9_2:weight_class.Q -0.238 -0.001 -0.003
b_itemQ5.9_3:weight_class.Q -0.209 0.005 -0.003
b_itemQ5.9_4:weight_class.Q -0.260 0.032 0.000
b_itemQ5.9_5:weight_class.Q 0.076 -0.006 0.014
b_itemQ5.9_6:weight_class.Q -0.233 -0.037 0.000
b_itemQ5.9_7:weight_class.Q -0.192 0.026 0.003
b_itemQ5.9_8:weight_class.Q -0.290 0.005 0.027
b_itemQ5.9_9:weight_class.Q -0.244 0.009 0.012
b_itemQ5.9_1:glp.L -0.244 0.007 0.008
b_itemQ5.9_10:glp.L -0.225 0.000 -0.002
b_itemQ5.9_11:glp.L -0.323 -0.020 -0.026
b_itemQ5.9_12:glp.L -0.192 0.032 0.015
b_itemQ5.9_13:glp.L -0.254 -0.016 -0.034
b_itemQ5.9_14:glp.L -0.221 -0.001 -0.035
b_itemQ5.9_15:glp.L -0.237 -0.005 -0.017
b_itemQ5.9_16:glp.L -0.237 0.008 -0.005
b_itemQ5.9_17:glp.L -0.264 0.002 -0.015
b_itemQ5.9_2:glp.L -0.266 -0.011 -0.006
b_itemQ5.9_3:glp.L -0.268 -0.025 0.008
b_itemQ5.9_4:glp.L -0.247 0.006 -0.010
b_itemQ5.9_5:glp.L -0.266 0.017 -0.011
b_itemQ5.9_6:glp.L -0.288 -0.037 -0.002
b_itemQ5.9_7:glp.L -0.294 -0.012 0.002
b_itemQ5.9_8:glp.L -0.294 0.013 -0.010
b_itemQ5.9_9:glp.L -0.287 0.020 -0.004
b_itemQ5.9_1:glp.Q -0.333 -0.011 -0.016
b_itemQ5.9_10:glp.Q -0.312 -0.017 0.021
b_itemQ5.9_11:glp.Q -0.337 -0.018 -0.001
b_itemQ5.9_12:glp.Q -0.350 0.024 0.021
b_itemQ5.9_13:glp.Q -0.321 -0.020 0.033
b_itemQ5.9_14:glp.Q -0.312 0.016 -0.007
b_itemQ5.9_15:glp.Q -0.291 -0.025 -0.005
b_itemQ5.9_16:glp.Q -0.309 0.030 0.011
b_itemQ5.9_17:glp.Q -0.297 0.000 0.020
b_itemQ5.9_2:glp.Q -0.279 0.015 0.031
b_itemQ5.9_3:glp.Q -0.338 -0.010 0.000
b_itemQ5.9_4:glp.Q -0.292 -0.003 0.004
b_itemQ5.9_5:glp.Q -0.329 0.012 -0.013
b_itemQ5.9_6:glp.Q -0.316 -0.010 0.012
b_itemQ5.9_7:glp.Q -0.374 -0.034 -0.035
b_itemQ5.9_8:glp.Q -0.312 -0.026 0.014
b_itemQ5.9_9:glp.Q -0.287 0.025 -0.002
b_itemQ5.9_1:pl_exp.L -0.199 0.013 0.001
b_itemQ5.9_10:pl_exp.L -0.196 0.017 -0.018
b_itemQ5.9_11:pl_exp.L -0.233 -0.015 -0.031
b_itemQ5.9_12:pl_exp.L -0.139 0.036 0.014
b_itemQ5.9_13:pl_exp.L -0.204 -0.006 0.023
b_itemQ5.9_14:pl_exp.L -0.218 -0.015 0.009
b_itemQ5.9_15:pl_exp.L -0.217 0.010 0.029

b_itemQ5.11_10:weight_class.Q -0.090 0.002 -0.012
b_itemQ5.11_11:weight_class.Q -0.036 -0.021 0.024
b_itemQ5.11_12:weight_class.Q -0.059 0.032 -0.005
b_itemQ5.11_13:weight_class.Q 0.294 0.020 0.029
b_itemQ5.11_14:weight_class.Q -0.043 0.000 -0.030
b_itemQ5.11_15:weight_class.Q -0.088 -0.005 0.048
b_itemQ5.11_2:weight_class.Q -0.098 0.001 -0.006
b_itemQ5.11_3:weight_class.Q -0.158 -0.029 -0.011
b_itemQ5.11_4:weight_class.Q -0.035 -0.002 0.027
b_itemQ5.11_5:weight_class.Q -0.061 -0.009 -0.006
b_itemQ5.11_6:weight_class.Q -0.015 0.005 -0.033
b_itemQ5.11_7:weight_class.Q -0.086 0.004 -0.019
b_itemQ5.11_8:weight_class.Q -0.094 -0.006 0.015
b_itemQ5.11_9:weight_class.Q -0.084 0.011 0.011
b_itemQ5.11_1:glp.L -0.094 -0.028 0.017
b_itemQ5.11_10:glp.L 0.016 -0.013 0.028
b_itemQ5.11_11:glp.L -0.079 0.009 -0.014
b_itemQ5.11_12:glp.L 0.120 0.036 0.020
b_itemQ5.11_13:glp.L -0.076 -0.009 0.002
b_itemQ5.11_14:glp.L -0.032 -0.009 -0.017
b_itemQ5.11_15:glp.L -0.109 0.021 -0.013
b_itemQ5.11_2:glp.L -0.037 0.010 0.028
b_itemQ5.11_3:glp.L -0.034 -0.003 0.015
b_itemQ5.11_4:glp.L 0.022 0.028 0.004
b_itemQ5.11_5:glp.L -0.058 -0.009 0.016
b_itemQ5.11_6:glp.L -0.021 -0.007 -0.006
b_itemQ5.11_7:glp.L -0.021 -0.035 0.019
b_itemQ5.11_8:glp.L 0.055 0.003 -0.002
b_itemQ5.11_9:glp.L 0.052 0.002 -0.019
b_itemQ5.11_1:glp.Q -0.179 -0.016 -0.002
b_itemQ5.11_10:glp.Q -0.201 -0.004 0.015
b_itemQ5.11_11:glp.Q -0.178 -0.007 0.016
b_itemQ5.11_12:glp.Q -0.114 -0.023 0.027
b_itemQ5.11_13:glp.Q -0.083 -0.013 -0.004
b_itemQ5.11_14:glp.Q -0.132 0.018 0.013
b_itemQ5.11_15:glp.Q -0.169 -0.015 0.012
b_itemQ5.11_2:glp.Q -0.054 -0.005 0.004
b_itemQ5.11_3:glp.Q -0.188 0.000 0.012
b_itemQ5.11_4:glp.Q -0.184 -0.022 -0.001
b_itemQ5.11_5:glp.Q -0.088 0.030 -0.018
b_itemQ5.11_6:glp.Q -0.152 0.014 0.011
b_itemQ5.11_7:glp.Q -0.072 0.007 0.027
b_itemQ5.11_8:glp.Q -0.208 -0.011 -0.014
b_itemQ5.11_9:glp.Q 0.001 0.002 -0.011
b_itemQ5.11_1:pl_exp.L -0.015 -0.018 -0.003
b_itemQ5.11_10:pl_exp.L 0.141 0.000 0.003
b_itemQ5.11_11:pl_exp.L -0.025 -0.003 0.008
b_itemQ5.11_12:pl_exp.L 0.091 -0.003 0.001
b_itemQ5.11_13:pl_exp.L -0.058 0.010 0.004
b_itemQ5.11_14:pl_exp.L 0.170 0.006 -0.022
b_itemQ5.11_15:pl_exp.L -0.053 -0.004 0.009
b_itemQ5.11_2:pl_exp.L 0.000 0.012 0.013
b_itemQ5.11_3:pl_exp.L -0.093 -0.009 -0.003
b_itemQ5.11_4:pl_exp.L 0.091 0.017 -0.002
b_itemQ5.11_5:pl_exp.L -0.023 -0.007 -0.016
b_itemQ5.11_6:pl_exp.L -0.050 0.008 0.029
b_itemQ5.11_7:pl_exp.L -0.043 0.001 -0.034
b_itemQ5.11_8:pl_exp.L 0.196 0.001 -0.035
b_itemQ5.11_9:pl_exp.L -0.089 0.011 0.020
b_itemQ5.11_1:pl_exp.Q -0.034 -0.003 -0.007
b_itemQ5.11_10:pl_exp.Q -0.110 0.017 0.016
b_itemQ5.11_11:pl_exp.Q -0.051 0.004 -0.028
b_itemQ5.11_12:pl_exp.Q -0.041 0.009 0.016
b_itemQ5.11_13:pl_exp.Q -0.096 0.008 0.004
b_itemQ5.11_14:pl_exp.Q 0.089 0.001 0.007
b_itemQ5.11_15:pl_exp.Q -0.040 -0.024 -0.003
b_itemQ5.11_2:pl_exp.Q -0.111 0.009 0.017
b_itemQ5.11_3:pl_exp.Q -0.105 -0.006 -0.011
b_itemQ5.11_4:pl_exp.Q 0.007 0.009 0.024

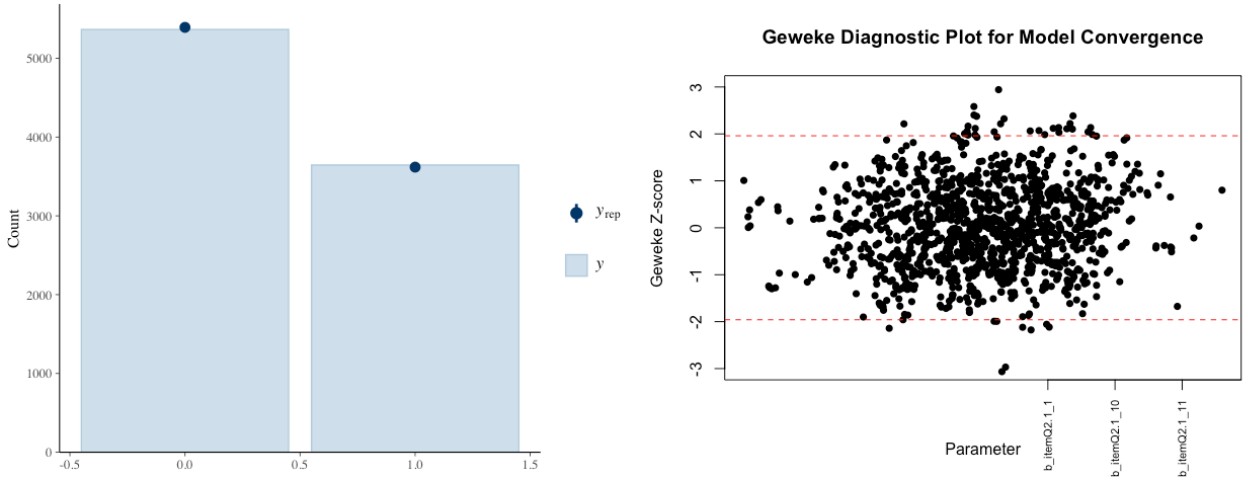
b_itemQ5.12_10:weight_class.Q -0.018 -0.021 0.035
b_itemQ5.12_11:weight_class.Q 0.012 0.011 0.032
b_itemQ5.12_12:weight_class.Q -0.049 -0.002 -0.031
b_itemQ5.12_13:weight_class.Q -0.014 0.007 -0.012
b_itemQ5.12_14:weight_class.Q -0.019 -0.008 -0.018
b_itemQ5.12_15:weight_class.Q -0.035 0.008 0.008
b_itemQ5.12_2:weight_class.Q 0.018 0.025 -0.004
b_itemQ5.12_3:weight_class.Q -0.032 0.019 -0.004
b_itemQ5.12_4:weight_class.Q -0.020 -0.049 0.032
b_itemQ5.12_5:weight_class.Q 0.010 -0.001 -0.012
b_itemQ5.12_6:weight_class.Q 0.004 0.031 0.017
b_itemQ5.12_7:weight_class.Q -0.026 -0.014 0.006
b_itemQ5.12_8:weight_class.Q 0.012 -0.008 0.007
b_itemQ5.12_9:weight_class.Q 0.010 0.004 0.021
b_itemQ5.12_1:glp.L -0.041 0.009 -0.018
b_itemQ5.12_10:glp.L 0.052 0.007 0.001
b_itemQ5.12_11:glp.L -0.015 -0.011 -0.027
b_itemQ5.12_12:glp.L 0.048 0.010 0.011
b_itemQ5.12_13:glp.L 0.002 -0.001 -0.024
b_itemQ5.12_14:glp.L -0.052 -0.037 0.001
b_itemQ5.12_15:glp.L -0.016 -0.011 -0.019
b_itemQ5.12_2:glp.L -0.024 -0.016 0.006
b_itemQ5.12_3:glp.L -0.046 0.006 0.017
b_itemQ5.12_4:glp.L -0.068 -0.018 0.009
b_itemQ5.12_5:glp.L -0.053 0.003 0.014
b_itemQ5.12_6:glp.L -0.051 0.005 0.028
b_itemQ5.12_7:glp.L -0.053 0.001 -0.024
b_itemQ5.12_8:glp.L -0.006 0.025 -0.011
b_itemQ5.12_9:glp.L -0.050 0.017 0.011
b_itemQ5.12_1:glp.Q -0.066 0.022 -0.031
b_itemQ5.12_10:glp.Q -0.125 0.010 -0.016
b_itemQ5.12_11:glp.Q -0.099 0.014 -0.011
b_itemQ5.12_12:glp.Q 0.008 0.009 -0.009
b_itemQ5.12_13:glp.Q -0.047 -0.011 -0.001
b_itemQ5.12_14:glp.Q -0.059 -0.003 0.027
b_itemQ5.12_15:glp.Q -0.063 -0.007 0.017
b_itemQ5.12_2:glp.Q -0.015 -0.048 0.024
b_itemQ5.12_3:glp.Q -0.057 -0.008 -0.009
b_itemQ5.12_4:glp.Q -0.076 -0.025 -0.003
b_itemQ5.12_5:glp.Q -0.057 -0.002 -0.008
b_itemQ5.12_6:glp.Q -0.032 -0.009 0.016
b_itemQ5.12_7:glp.Q -0.048 -0.009 0.002
b_itemQ5.12_8:glp.Q 0.015 -0.018 0.012
b_itemQ5.12_9:glp.Q -0.051 -0.009 -0.001
b_itemQ5.12_1:pl_exp.L 0.048 0.027 0.011
b_itemQ5.12_10:pl_exp.L 0.082 0.006 -0.010
b_itemQ5.12_11:pl_exp.L 0.028 -0.015 0.010
b_itemQ5.12_12:pl_exp.L 0.030 0.022 -0.017
b_itemQ5.12_13:pl_exp.L 0.007 -0.004 0.011
b_itemQ5.12_14:pl_exp.L -0.030 -0.002 -0.006
b_itemQ5.12_15:pl_exp.L 0.020 0.004 0.001
b_itemQ5.12_2:pl_exp.L 0.071 0.000 0.023
b_itemQ5.12_3:pl_exp.L 0.049 -0.001 -0.028
b_itemQ5.12_4:pl_exp.L 0.002 0.000 0.001
b_itemQ5.12_5:pl_exp.L 0.010 -0.009 0.004
b_itemQ5.12_6:pl_exp.L -0.018 0.015 -0.032
b_itemQ5.12_7:pl_exp.L 0.018 0.012 0.003
b_itemQ5.12_8:pl_exp.L 0.000 0.000 -0.012
b_itemQ5.12_9:pl_exp.L 0.119 0.024 0.006
b_itemQ5.12_1:pl_exp.Q 0.036 0.020 -0.004
b_itemQ5.12_10:pl_exp.Q -0.049 -0.012 0.024
b_itemQ5.12_11:pl_exp.Q 0.018 0.007 -0.011
b_itemQ5.12_12:pl_exp.Q 0.006 0.003 -0.002
b_itemQ5.12_13:pl_exp.Q -0.015 -0.011 0.018
b_itemQ5.12_14:pl_exp.Q -0.021 -0.011 -0.012
b_itemQ5.12_15:pl_exp.Q 0.015 -0.005 -0.007
b_itemQ5.12_2:pl_exp.Q 0.054 0.010 0.013
b_itemQ5.12_3:pl_exp.Q 0.010 -0.016 -0.010
b_itemQ5.12_4:pl_exp.Q 0.039 0.002 -0.002

	b_itemQ5.8_16:pl_exp.L -0.005 0.013 0.004 b_itemQ5.8_17:pl_exp.L -0.010 -0.005 0.024 b_itemQ5.8_2:pl_exp.L -0.052 -0.006 0.026 b_itemQ5.8_3:pl_exp.L 0.008 -0.006 0.011 b_itemQ5.8_4:pl_exp.L 0.019 0.043 0.006 b_itemQ5.8_5:pl_exp.L -0.202 0.003 0.033 b_itemQ5.8_6:pl_exp.L 0.010 0.046 0.012 b_itemQ5.8_7:pl_exp.L -0.020 -0.005 0.010 b_itemQ5.8_8:pl_exp.L 0.037 -0.012 -0.009 b_itemQ5.8_9:pl_exp.L 0.076 -0.013 -0.016 b_itemQ5.8_1:pl_exp.Q -0.063 0.004 0.018 b_itemQ5.8_10:pl_exp.Q -0.040 0.018 0.001 b_itemQ5.8_11:pl_exp.Q -0.205 -0.043 0.007 b_itemQ5.8_12:pl_exp.Q -0.278 0.007 -0.051 b_itemQ5.8_13:pl_exp.Q -0.083 0.018 0.021 b_itemQ5.8_14:pl_exp.Q -0.022 0.013 0.014 b_itemQ5.8_15:pl_exp.Q -0.015 0.007 -0.016 b_itemQ5.8_16:pl_exp.Q -0.037 0.025 -0.017 b_itemQ5.8_17:pl_exp.Q -0.047 0.005 0.012 b_itemQ5.8_2:pl_exp.Q -0.050 -0.022 0.034 b_itemQ5.8_3:pl_exp.Q -0.087 0.030 0.015 b_itemQ5.8_4:pl_exp.Q 0.022 0.027 0.009 b_itemQ5.8_5:pl_exp.Q -0.173 -0.022 0.011 b_itemQ5.8_6:pl_exp.Q -0.021 0.026 0.006 b_itemQ5.8_7:pl_exp.Q -0.023 -0.005 0.001 b_itemQ5.8_8:pl_exp.Q 0.022 -0.016 -0.014 b_itemQ5.8_9:pl_exp.Q 0.040 0.007 -0.003 b_itemQ5.8_1:rt_exp.L 0.128 0.010 -0.009 b_itemQ5.8_10:rt_exp.L 0.079 0.013 0.021 b_itemQ5.8_11:rt_exp.L 0.124 0.009 0.002 b_itemQ5.8_12:rt_exp.L 0.116 -0.015 -0.024 b_itemQ5.8_13:rt_exp.L 0.077 0.023 -0.004 b_itemQ5.8_14:rt_exp.L 0.118 0.033 -0.002 b_itemQ5.8_15:rt_exp.L 0.109 0.021 0.028 b_itemQ5.8_16:rt_exp.L 0.092 -0.006 0.025 b_itemQ5.8_17:rt_exp.L 0.122 0.019 0.015 b_itemQ5.8_2:rt_exp.L 0.053 -0.001 0.013 b_itemQ5.8_3:rt_exp.L 0.084 0.029 -0.015 b_itemQ5.8_4:rt_exp.L 0.146 -0.013 0.003 b_itemQ5.8_5:rt_exp.L -0.057 0.017 -0.001 b_itemQ5.8_6:rt_exp.L 0.032 0.005 0.028 b_itemQ5.8_7:rt_exp.L 0.088 0.029 0.011 b_itemQ5.8_8:rt_exp.L 0.060 -0.003 -0.001 b_itemQ5.8_9:rt_exp.L 0.030 -0.013 -0.043 b_itemQ5.8_1:rt_exp.Q 0.115 0.012 -0.001 b_itemQ5.8_10:rt_exp.Q 0.087 0.004 0.007 b_itemQ5.8_11:rt_exp.Q 0.115 0.005 0.006 b_itemQ5.8_12:rt_exp.Q -0.294 -0.013 0.007 b_itemQ5.8_13:rt_exp.Q 0.070 0.016 0.013 b_itemQ5.8_14:rt_exp.Q 0.108 0.033 0.003 b_itemQ5.8_15:rt_exp.Q 0.109 0.006 0.034 b_itemQ5.8_16:rt_exp.Q 0.094 -0.006 0.011 b_itemQ5.8_17:rt_exp.Q 0.147 0.013 0.013 b_itemQ5.8_2:rt_exp.Q 0.064 0.012 0.001 b_itemQ5.8_3:rt_exp.Q -0.053 0.008 0.008 b_itemQ5.8_4:rt_exp.Q 0.142 -0.018 0.001 b_itemQ5.8_5:rt_exp.Q -0.106 -0.029 -0.027 b_itemQ5.8_6:rt_exp.Q 0.006 0.005 0.040 b_itemQ5.8_7:rt_exp.Q 0.082 -0.002 0.016 b_itemQ5.8_8:rt_exp.Q 0.070 0.012 0.016 b_itemQ5.8_9:rt_exp.Q 0.024 -0.008 -0.024 b_Intercept NA NA NA b_sexMale NA NA NA b_divisionRaw NA NA NA b_age.L NA NA NA b_weight_class.L NA NA NA b_glp.L NA NA NA b_pl_exp.L NA NA NA b_rt_exp.L NA NA NA	b_itemQ5.9_16:pl_exp.L -0.220 -0.031 0.008 b_itemQ5.9_17:pl_exp.L -0.215 0.009 -0.004 b_itemQ5.9_2:pl_exp.L -0.196 0.015 0.033 b_itemQ5.9_3:pl_exp.L -0.246 -0.006 0.009 b_itemQ5.9_4:pl_exp.L -0.206 -0.007 -0.026 b_itemQ5.9_5:pl_exp.L -0.173 0.003 -0.001 b_itemQ5.9_6:pl_exp.L -0.198 0.014 0.015 b_itemQ5.9_7:pl_exp.L -0.257 0.014 0.016 b_itemQ5.9_8:pl_exp.L -0.289 -0.018 0.009 b_itemQ5.9_9:pl_exp.L -0.192 -0.021 0.003 b_itemQ5.9_1:pl_exp.Q -0.205 0.003 0.023 b_itemQ5.9_10:pl_exp.Q -0.189 0.014 0.008 b_itemQ5.9_11:pl_exp.Q -0.285 -0.046 -0.010 b_itemQ5.9_12:pl_exp.Q -0.275 0.012 -0.005 b_itemQ5.9_13:pl_exp.Q -0.225 0.010 -0.013 b_itemQ5.9_14:pl_exp.Q -0.219 -0.014 0.009 b_itemQ5.9_15:pl_exp.Q -0.249 -0.010 -0.007 b_itemQ5.9_16:pl_exp.Q -0.227 0.011 0.013 b_itemQ5.9_17:pl_exp.Q -0.230 -0.016 0.003 b_itemQ5.9_2:pl_exp.Q -0.193 -0.029 0.000 b_itemQ5.9_3:pl_exp.Q -0.242 -0.023 0.006 b_itemQ5.9_4:pl_exp.Q -0.189 -0.014 0.007 b_itemQ5.9_5:pl_exp.Q -0.189 0.017 0.008 b_itemQ5.9_6:pl_exp.Q -0.220 0.013 0.026 b_itemQ5.9_7:pl_exp.Q -0.247 -0.004 0.007 b_itemQ5.9_8:pl_exp.Q -0.255 -0.016 0.021 b_itemQ5.9_9:pl_exp.Q -0.196 -0.017 0.008 b_itemQ5.9_1:rt_exp.L -0.081 0.031 -0.016 b_itemQ5.9_10:rt_exp.L -0.140 0.001 0.003 b_itemQ5.9_11:rt_exp.L -0.131 -0.001 -0.019 b_itemQ5.9_12:rt_exp.L -0.176 0.032 0.016 b_itemQ5.9_13:rt_exp.L -0.146 0.024 0.019 b_itemQ5.9_14:rt_exp.L -0.059 -0.041 -0.012 b_itemQ5.9_15:rt_exp.L -0.149 0.000 -0.018 b_itemQ5.9_16:rt_exp.L -0.139 -0.011 0.010 b_itemQ5.9_17:rt_exp.L -0.111 -0.004 0.012 b_itemQ5.9_2:rt_exp.L -0.085 -0.008 0.018 b_itemQ5.9_3:rt_exp.L -0.131 -0.020 0.010 b_itemQ5.9_4:rt_exp.L -0.116 -0.004 -0.010 b_itemQ5.9_5:rt_exp.L -0.184 -0.005 0.014 b_itemQ5.9_6:rt_exp.L -0.073 0.002 -0.010 b_itemQ5.9_7:rt_exp.L -0.120 -0.016 -0.019 b_itemQ5.9_8:rt_exp.L -0.107 0.015 0.039 b_itemQ5.9_9:rt_exp.L -0.063 0.010 0.007 b_itemQ5.9_1:rt_exp.Q -0.071 0.023 -0.026 b_itemQ5.9_10:rt_exp.Q -0.128 0.014 -0.014 b_itemQ5.9_11:rt_exp.Q -0.135 0.004 -0.029 b_itemQ5.9_12:rt_exp.Q -0.249 0.032 0.014 b_itemQ5.9_13:rt_exp.Q -0.135 0.017 0.014 b_itemQ5.9_14:rt_exp.Q -0.093 -0.015 -0.027 b_itemQ5.9_15:rt_exp.Q -0.158 -0.015 -0.009 b_itemQ5.9_16:rt_exp.Q -0.136 0.004 0.007 b_itemQ5.9_17:rt_exp.Q -0.132 0.003 0.004 b_itemQ5.9_2:rt_exp.Q -0.095 -0.009 0.013 b_itemQ5.9_3:rt_exp.Q -0.160 -0.019 0.002 b_itemQ5.9_4:rt_exp.Q -0.104 0.005 0.001 b_itemQ5.9_5:rt_exp.Q -0.204 0.009 -0.002 b_itemQ5.9_6:rt_exp.Q -0.057 -0.003 -0.019 b_itemQ5.9_7:rt_exp.Q -0.133 -0.012 -0.025 b_itemQ5.9_8:rt_exp.Q -0.075 0.024 0.027 b_itemQ5.9_9:rt_exp.Q -0.108 0.000 -0.005 b_Intercept NA NA NA b_sexMale NA NA NA b_divisionRaw NA NA NA b_age.L NA NA NA b_weight_class.L NA NA NA b_glp.L NA NA NA b_pl_exp.L NA NA NA b_rt_exp.L NA NA NA		b_itemQ5.11_5:pl_exp.Q -0.022 0.004 -0.011 b_itemQ5.11_6:pl_exp.Q -0.045 0.002 0.006 b_itemQ5.11_7:pl_exp.Q -0.001 -0.004 -0.003 b_itemQ5.11_8:pl_exp.Q -0.102 0.003 -0.010 b_itemQ5.11_9:pl_exp.Q -0.086 0.006 0.005 b_itemQ5.11_1:rt_exp.L 0.104 -0.017 -0.012 b_itemQ5.11_10:rt_exp.L 0.107 0.018 0.001 b_itemQ5.11_11:rt_exp.L -0.061 0.018 -0.035 b_itemQ5.11_12:rt_exp.L 0.101 -0.001 0.013 b_itemQ5.11_13:rt_exp.L -0.001 -0.003 0.019 b_itemQ5.11_14:rt_exp.L 0.031 -0.002 -0.006 b_itemQ5.11_15:rt_exp.L -0.031 0.001 -0.001 b_itemQ5.11_2:rt_exp.L 0.064 0.023 0.011 b_itemQ5.11_3:rt_exp.L -0.137 -0.019 -0.017 b_itemQ5.11_4:rt_exp.L 0.218 0.021 0.008 b_itemQ5.11_5:rt_exp.L -0.060 0.019 -0.022 b_itemQ5.11_6:rt_exp.L -0.076 0.001 -0.033 b_itemQ5.11_7:rt_exp.L -0.038 0.020 0.014 b_itemQ5.11_8:rt_exp.L 0.099 -0.006 0.002 b_itemQ5.11_9:rt_exp.L 0.071 0.043 0.003 b_itemQ5.11_1:rt_exp.Q 0.099 -0.002 -0.006 b_itemQ5.11_10:rt_exp.Q -0.081 0.005 -0.005 b_itemQ5.11_11:rt_exp.Q -0.020 -0.023 -0.022 b_itemQ5.11_12:rt_exp.Q 0.001 0.029 -0.001 b_itemQ5.11_13:rt_exp.Q -0.009 -0.027 0.018 b_itemQ5.11_14:rt_exp.Q -0.006 -0.011 0.000 b_itemQ5.11_15:rt_exp.Q -0.034 -0.015 0.015 b_itemQ5.11_2:rt_exp.Q -0.031 0.011 -0.001 b_itemQ5.11_3:rt_exp.Q -0.100 0.030 -0.003 b_itemQ5.11_4:rt_exp.Q 0.047 -0.006 0.010 b_itemQ5.11_5:rt_exp.Q -0.015 -0.007 -0.021 b_itemQ5.11_6:rt_exp.Q -0.051 -0.007 -0.003 b_itemQ5.11_7:rt_exp.Q -0.046 -0.018 -0.020 b_itemQ5.11_8:rt_exp.Q -0.129 0.005 -0.012 b_itemQ5.11_9:rt_exp.Q 0.084 0.027 0.016 b_Intercept NA NA NA b_sexMale NA NA NA b_divisionRaw NA NA NA b_age.L NA NA NA b_weight_class.L NA NA NA b_glp.L NA NA NA b_pl_exp.L NA NA NA b_rt_exp.L NA NA NA r_ResponseId__Intercept NA NA NA	b_itemQ5.12_5:pl_exp.Q 0.016 0.020 0.002 b_itemQ5.12_6:pl_exp.Q -0.014 0.022 -0.003 b_itemQ5.12_7:pl_exp.Q 0.044 0.001 -0.005 b_itemQ5.12_8:pl_exp.Q 0.010 -0.001 0.000 b_itemQ5.12_9:pl_exp.Q 0.096 0.023 0.009 b_itemQ5.12_1:rt_exp.L 0.078 0.008 0.045 b_itemQ5.12_10:rt_exp.L 0.060 0.010 -0.011 b_itemQ5.12_11:rt_exp.L 0.057 0.034 -0.016 b_itemQ5.12_12:rt_exp.L 0.008 0.033 -0.018 b_itemQ5.12_13:rt_exp.L 0.050 0.020 0.016 b_itemQ5.12_14:rt_exp.L 0.057 0.019 0.000 b_itemQ5.12_15:rt_exp.L 0.079 0.008 -0.015 b_itemQ5.12_2:rt_exp.L 0.099 0.006 -0.001 b_itemQ5.12_3:rt_exp.L 0.079 -0.011 0.024 b_itemQ5.12_4:rt_exp.L 0.023 0.004 -0.020 b_itemQ5.12_5:rt_exp.L 0.093 0.024 0.014 b_itemQ5.12_6:rt_exp.L 0.036 -0.017 0.007 b_itemQ5.12_7:rt_exp.L 0.097 0.022 -0.006 b_itemQ5.12_8:rt_exp.L 0.034 -0.006 0.007 b_itemQ5.12_9:rt_exp.L 0.057 -0.015 -0.011 b_itemQ5.12_1:rt_exp.Q 0.038 0.005 0.027 b_itemQ5.12_10:rt_exp.Q -0.069 0.015 -0.009 b_itemQ5.12_11:rt_exp.Q 0.031 0.009 0.006 b_itemQ5.12_12:rt_exp.Q -0.011 0.027 -0.002 b_itemQ5.12_13:rt_exp.Q 0.075 0.034 -0.010 b_itemQ5.12_14:rt_exp.Q 0.066 0.001 0.010 b_itemQ5.12_15:rt_exp.Q 0.050 0.007 0.006 b_itemQ5.12_2:rt_exp.Q 0.060 0.011 0.013 b_itemQ5.12_3:rt_exp.Q 0.079 -0.020 0.019 b_itemQ5.12_4:rt_exp.Q 0.022 0.019 -0.015 b_itemQ5.12_5:rt_exp.Q 0.046 0.006 -0.015 b_itemQ5.12_6:rt_exp.Q 0.042 -0.010 -0.012 b_itemQ5.12_7:rt_exp.Q 0.067 0.011 -0.027 b_itemQ5.12_8:rt_exp.Q 0.035 -0.017 0.005 b_itemQ5.12_9:rt_exp.Q 0.043 0.007 0.010 b_Intercept NA NA NA b_sexMale NA NA NA b_divisionRaw NA NA NA b_age.L NA NA NA b_weight_class.L NA NA NA b_glp.L NA NA NA b_pl_exp.L NA NA NA b_rt_exp.L NA NA NA r_ResponseId__Intercept NA NA NA

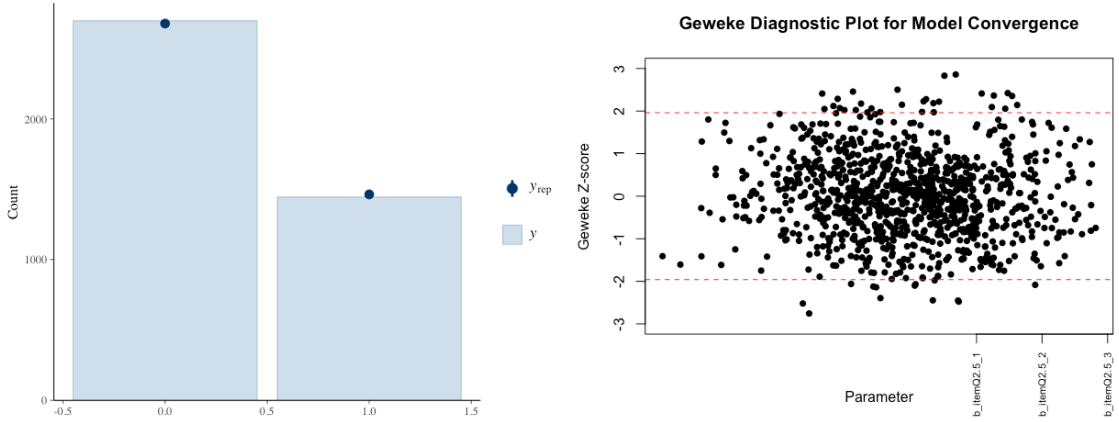
	r_ResponseId__Intercept NA NA NA	r_ResponseId__Intercept NA NA NA			

Categorical models – Model diagnostics

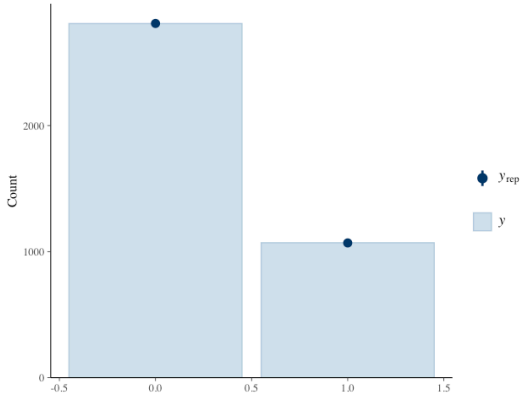
Q2.1

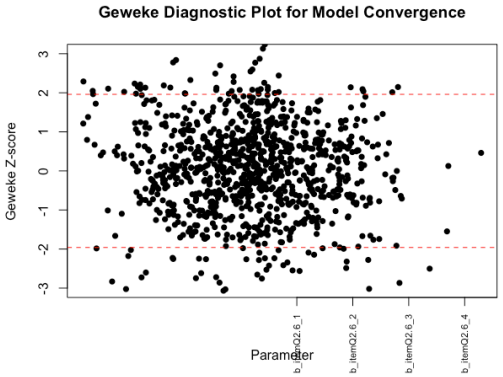


Q2.5

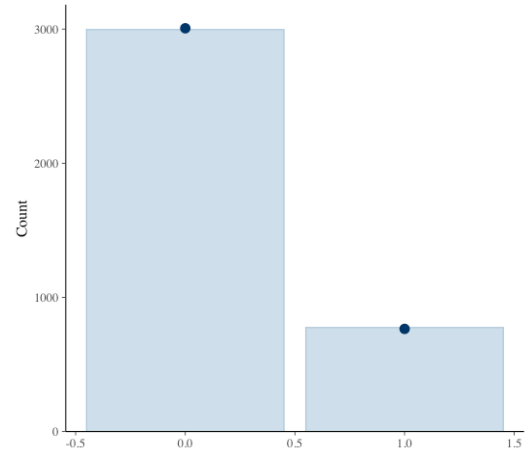


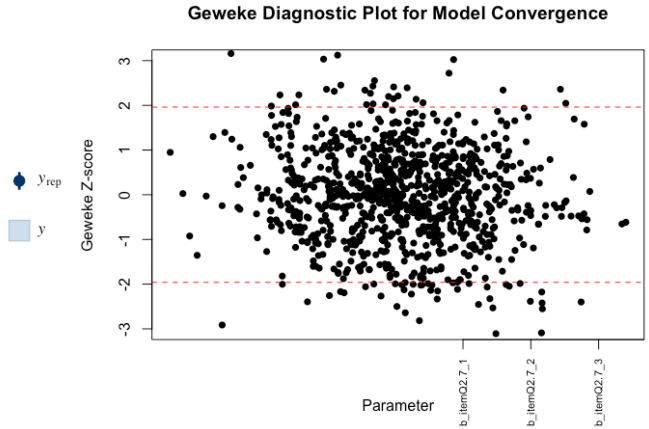
Q2.6


Count
2000
1000
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

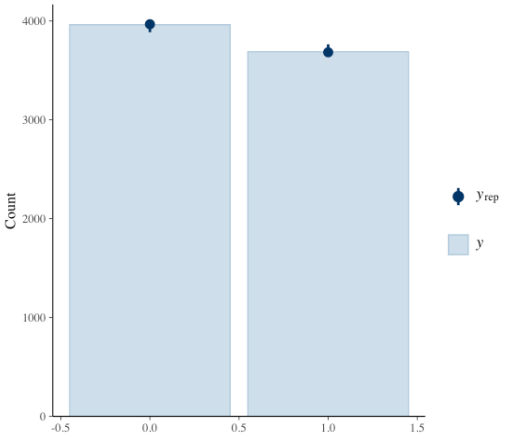

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
b_ItemQ2.6_1
b_ItemQ2.6_2
b_ItemQ2.6_3
b_ItemQ2.6_4
Parameter

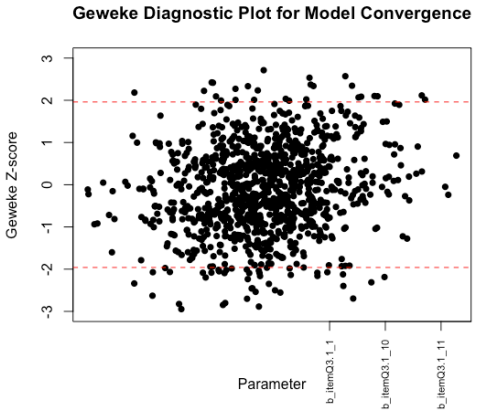
Q2.7


Count
3000
2000
1000
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

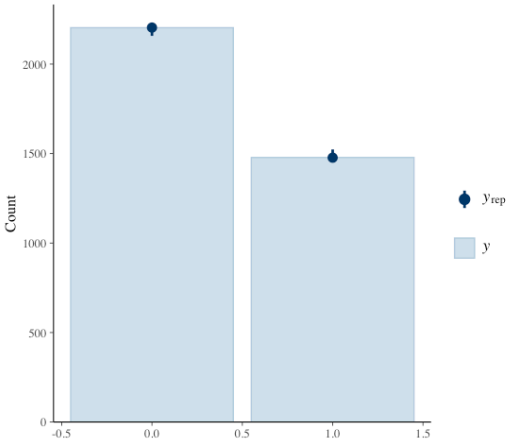

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
b_ItemQ2.7_1
b_ItemQ2.7_2
b_ItemQ2.7_3
Parameter

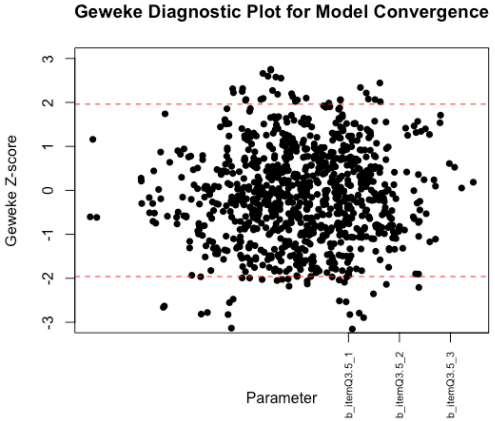
Q3.1


Count
4000
3000
2000
1000
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

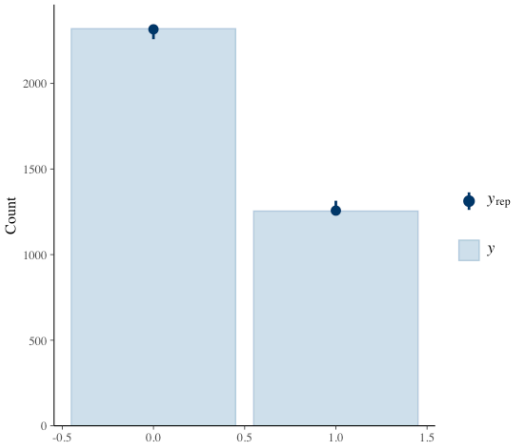

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ3.1_1
b_itemQ3.1_10
b_itemQ3.1_11

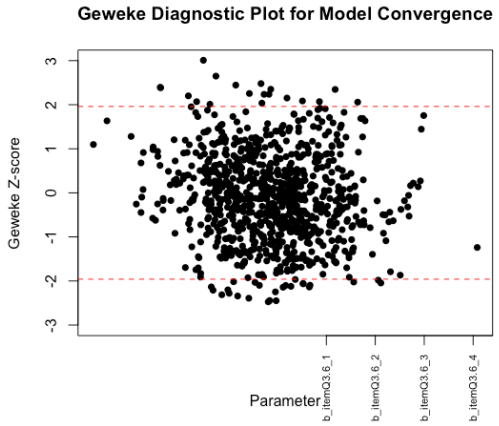
Q3.5


Count
2000
1500
1000
500
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

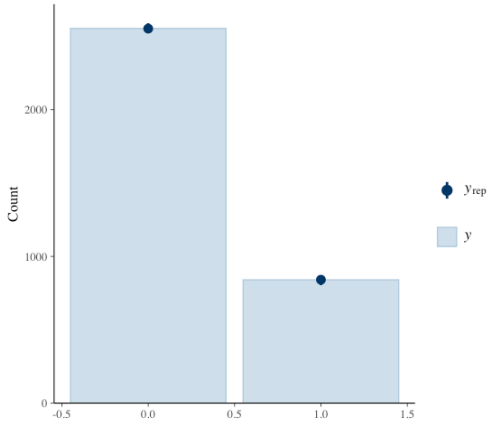

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ3.5_1
b_itemQ3.5_2
b_itemQ3.5_3

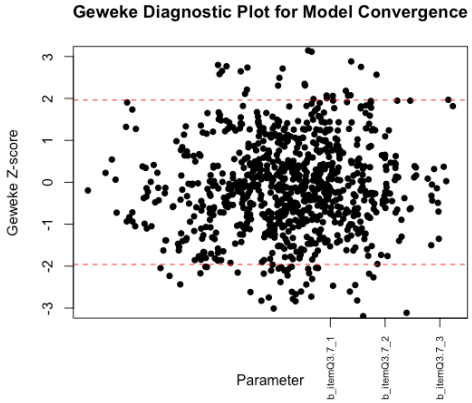
Q3.6


Count
2000
1500
1000
500
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

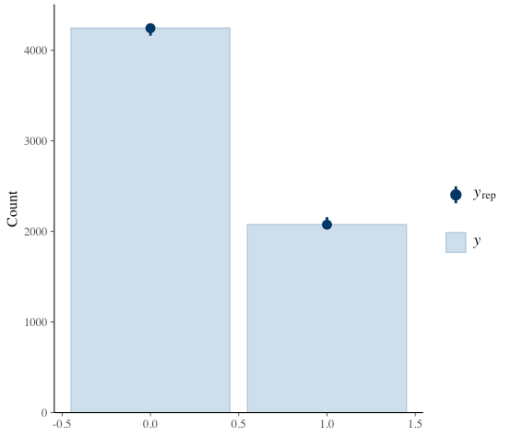

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ3.6_1
b_itemQ3.6_2
b_itemQ3.6_3
b_itemQ3.6_4

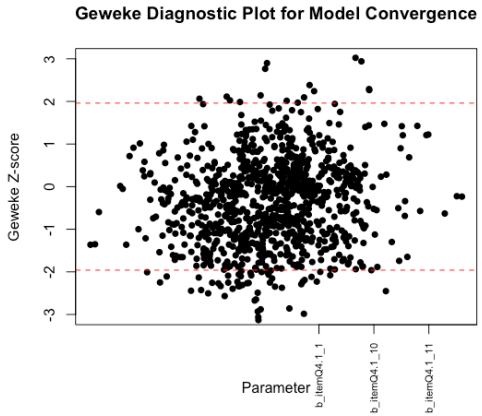
Q3.7


Count
2000
1000
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

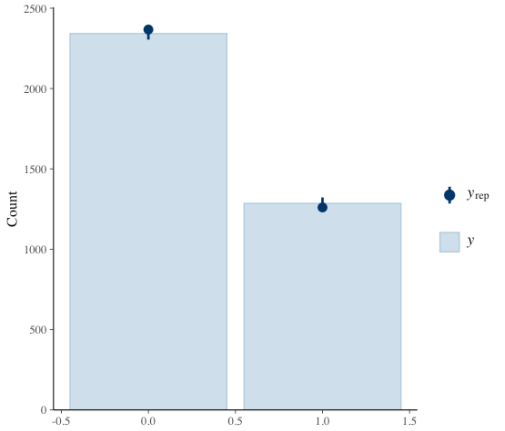

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ3.7_1
b_itemQ3.7_2
b_itemQ3.7_3

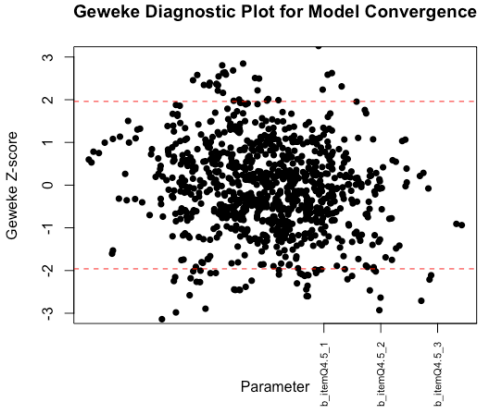
Q4.1


Count
4000
3000
2000
1000
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

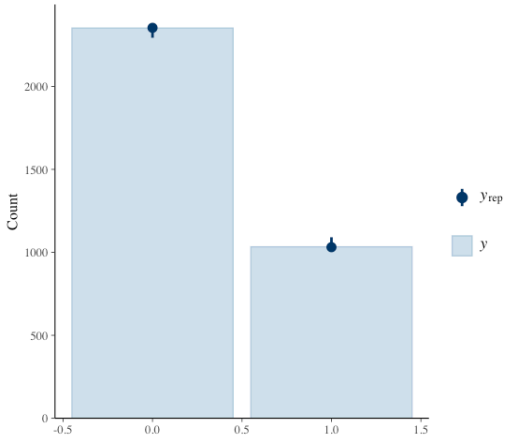

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ4.1_1
b_itemQ4.1_10
b_itemQ4.1_11

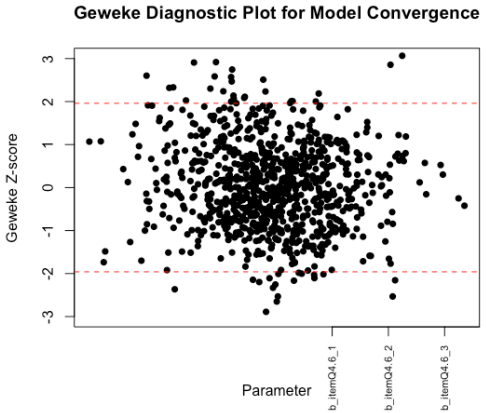
Q4.5


Count
2500
2000
1500
1000
500
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

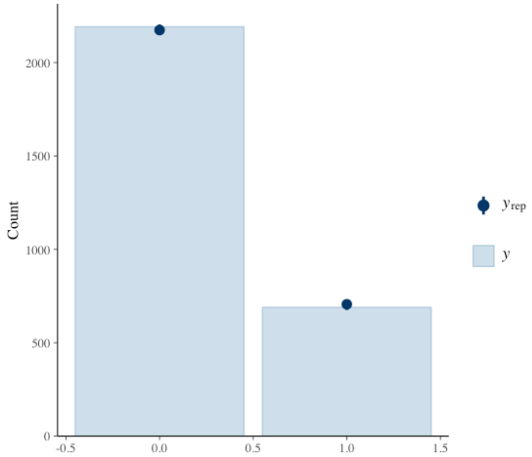

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ4.5_1
b_itemQ4.5_2
b_itemQ4.5_3

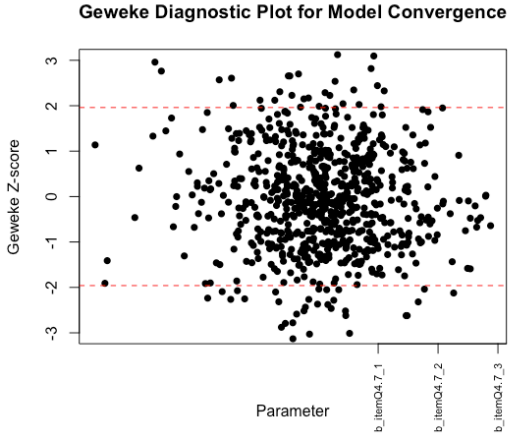
Q4.6


Count
2000
1500
1000
500
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

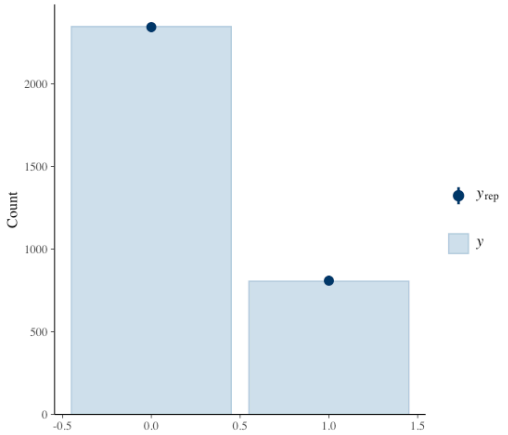

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ4.6_1
b_itemQ4.6_2
b_itemQ4.6_3

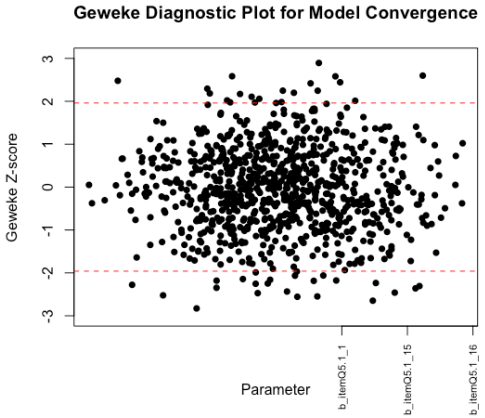
Q4.7


Count
2000
1500
1000
500
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

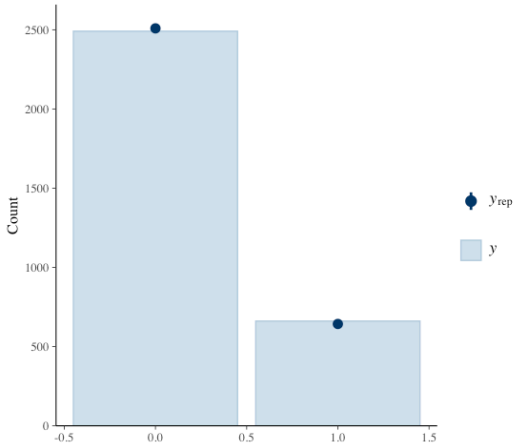

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ4.7_1
b_itemQ4.7_2
b_itemQ4.7_3

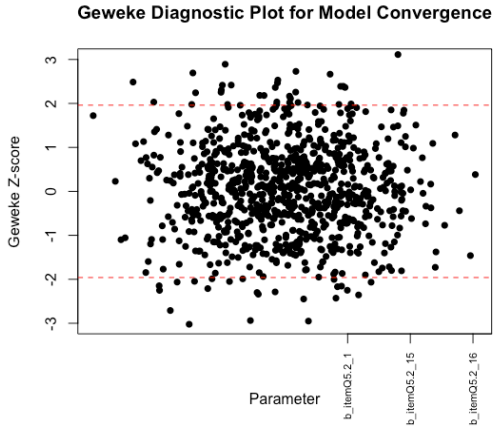
Q5.1


Count
2000
1500
1000
500
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

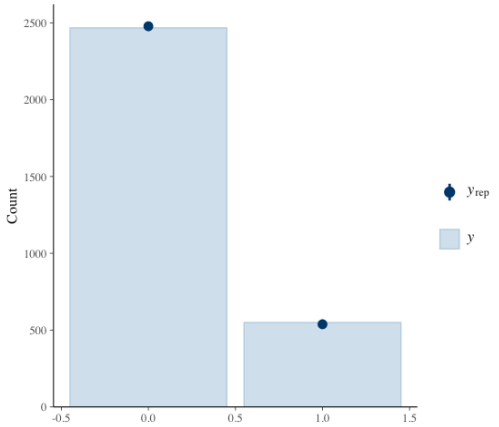

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ5.1_1
b_itemQ5.1_15
b_itemQ5.1_16

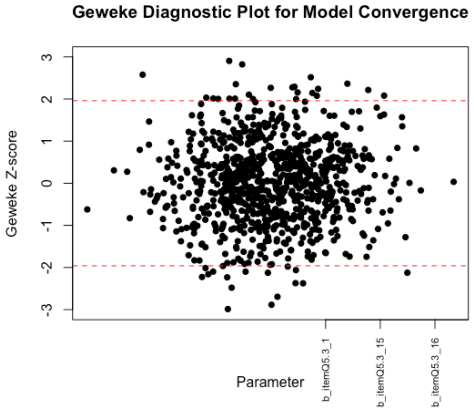
Q5.2


Count
2500
2000
1500
1000
500
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

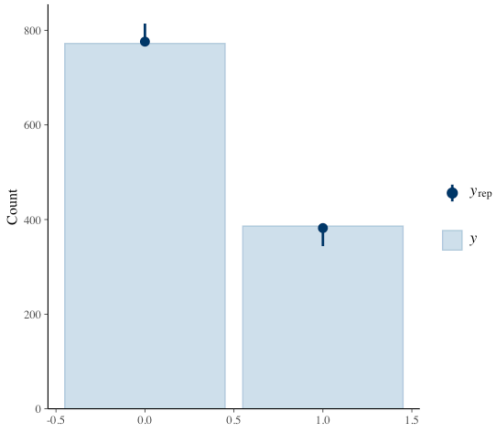

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ5.2_1
b_itemQ5.2_15
b_itemQ5.2_16

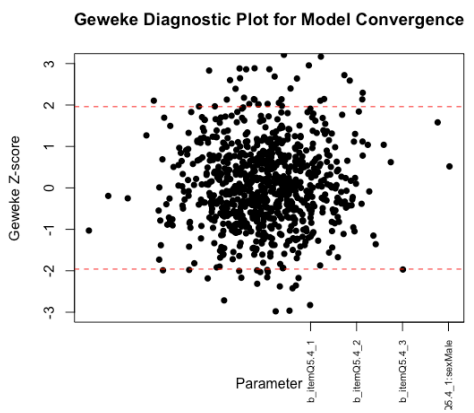
Q5.3


Count
2500
2000
1500
1000
500
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

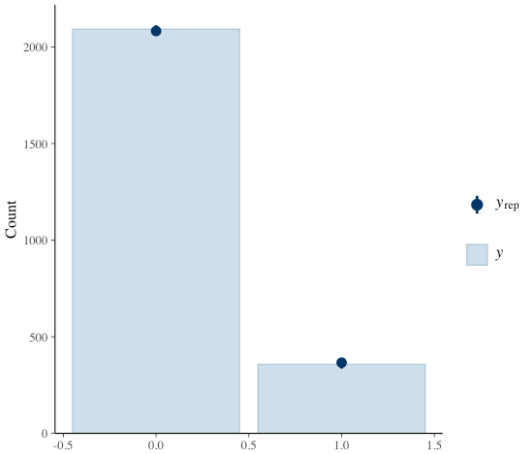

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_ItemQ5.3_1
b_ItemQ5.3_15
b_ItemQ5.3_16

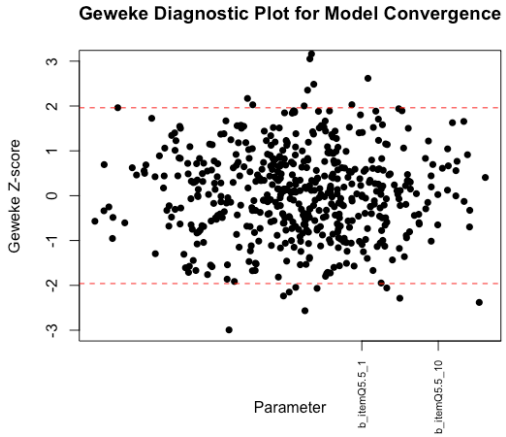
Q5.4


Count
800
600
400
200
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

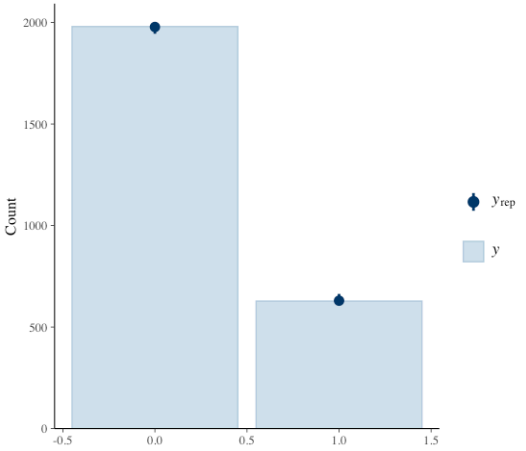

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_ItemQ5.4_1
b_ItemQ5.4_2
b_ItemQ5.4_3
26.4_1:sexMale

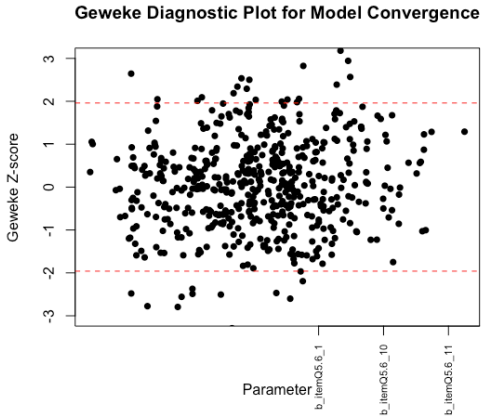
Q5.5


Count
2000
1500
1000
500
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

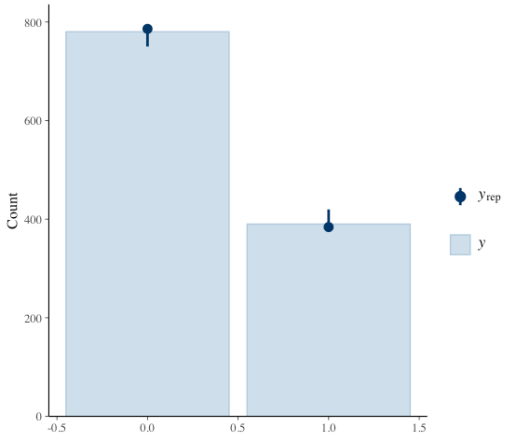

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ5.5_1
b_itemQ5.5_10

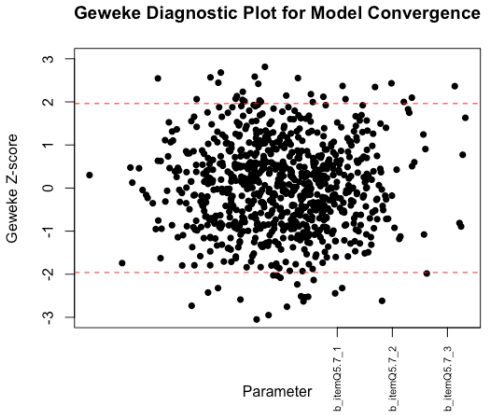
Q5.6


Count
2000
1500
1000
500
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

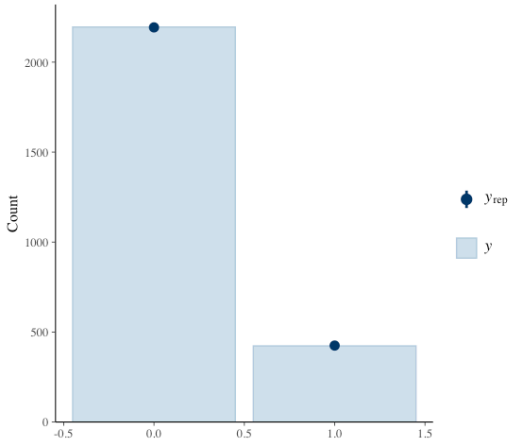

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ5.6_1
b_itemQ5.6_10
b_itemQ5.6_11

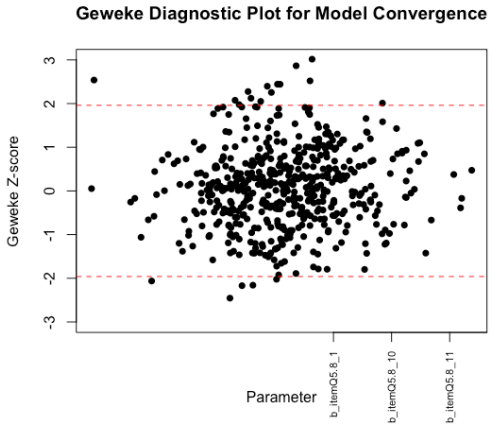
Q5.7


Count
800
600
400
200
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y

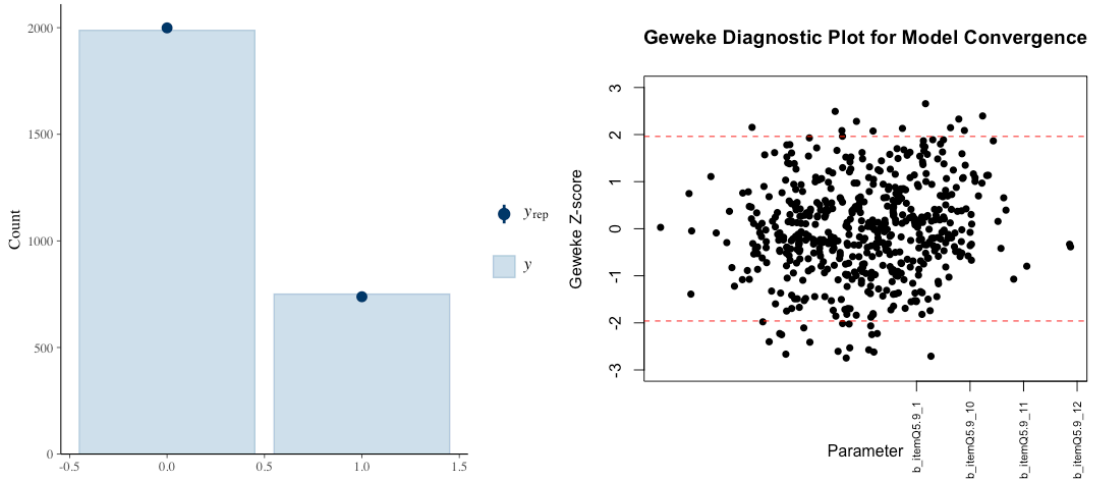

Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ5.7_1
b_itemQ5.7_2
b_itemQ5.7_3

Q5.8

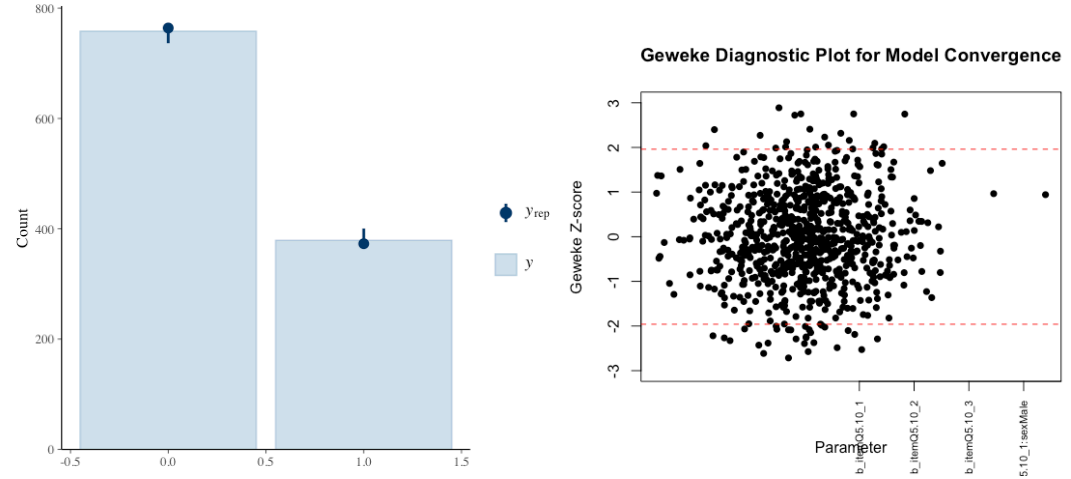

Count
2000
1500
1000
500
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y


Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ5.8_1
b_itemQ5.8_10
b_itemQ5.8_11

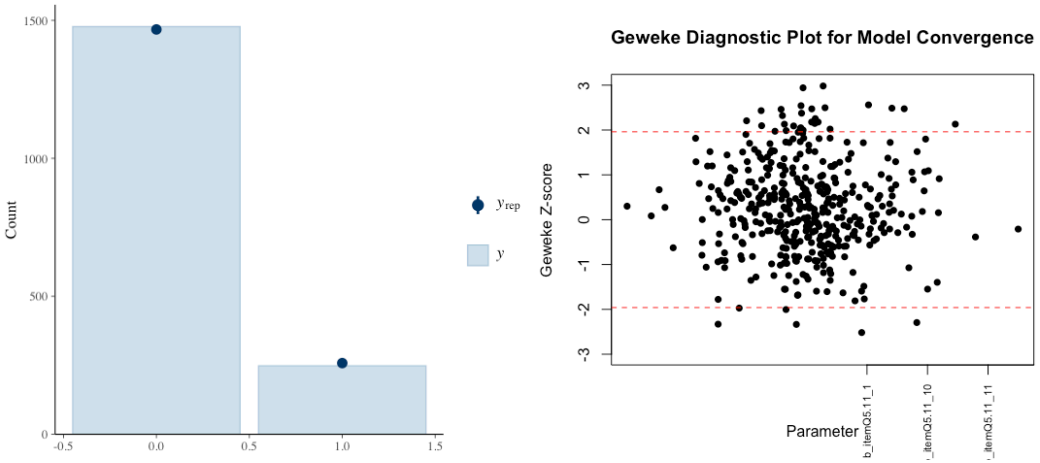
Q5.9


Count
2000
1500
1000
500
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y
Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ5.9_1
b_itemQ5.9_10
b_itemQ5.9_11
b_itemQ5.9_12

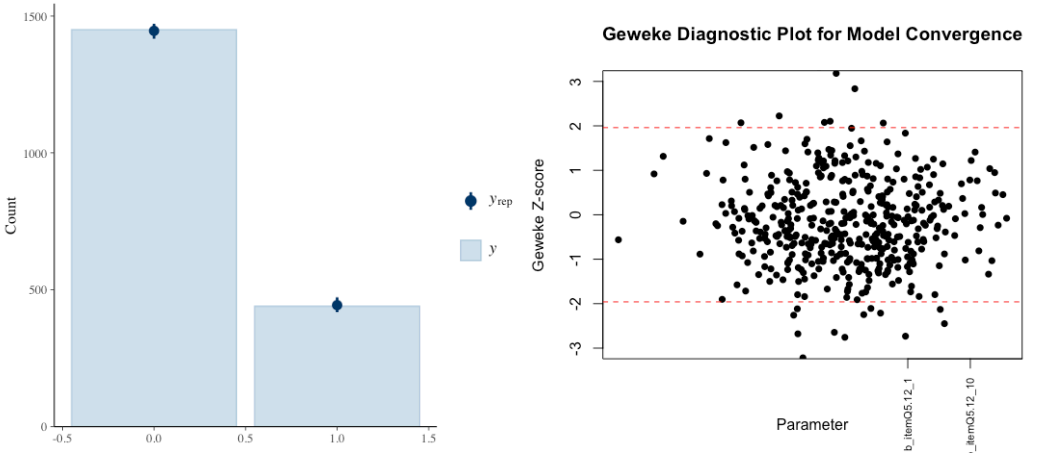
Q5.10


Count
800
600
400
200
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y
Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ5.10_1
b_itemQ5.10_2
b_itemQ5.10_3
5.10_1:sexMale

Q5.11


Count
1500
1000
500
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y
Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ5.11_1
b_itemQ5.11_10
b_itemQ5.11_11

Q5.12


Count
1500
1000
500
0
-0.5
0.0
0.5
1.0
1.5
y_{rep}
y
Geweke Diagnostic Plot for Model Convergence
Geweke Z-score
3
2
1
0
-1
-2
-3
Parameter
b_itemQ5.12_1
b_itemQ5.12_10

WAMBS (when to Worry and how to Avoid the Misuse of Bayesian Statistics) checklist.

Do you understand the priors?	*Yes. Weakly informative reference priors were used in all models, to limit the influence of prior information on predictions. This choice was made, given the exploratory nature of the study and no appropriate prior information.*
Does the trace-plot exhibit convergence?	*Trace plots are examined for linear mixed effects models. Due to an excessive number of variables, trace plots were only explored for continuous models. Convergence diagnostics for all models are provided through R-hat values and ESS. All suggest convergence for all parameters. All diagnostic plots are performed on the double iterations model. Note that histograms are not provided due to the number of plots per model. However, R-hat, ESS and Geweke diagnostics are provided.*
Does converge remain after doubling the number of iterations?	*Yes. Early models were fit with 4000 iterations, still reaching convergence.*
Does the histogram have enough information?	*Yes. Smooth histograms are seen for continuous models. Note that histograms are not provided for categorical models due to the number of plots per model, but visual inspection indicated smooth histograms.*
Do the chains exhibit a strong degree of autocorrelation?	*No. See attached autocorrelation statistics under model summaries. While some parameters show slower mixing, ESS indicates efficient sampling and no reasons to be concerned.*
Does the posterior distribution make substantive sense?	*Yes.*
Do different specifications of the multivariate variance priors influence the results?	*Skipped, as we used non-informative default priors.*
Is there a notable effect of the prior when compared with non-informative priors?	*Skipped, as we used non-informative default priors.*
Are the results stable from a sensitivity analysis?	*Skipped, as we used non-informative default priors.*

Is the Bayesian way of interpreting and reporting model results used?	*All results of reported as central tendencies and their uncertainty as recommended, allowing readers to fully capture and understand the posterior distributions.*