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Middle School Mathematics Tests: Grades 6-8
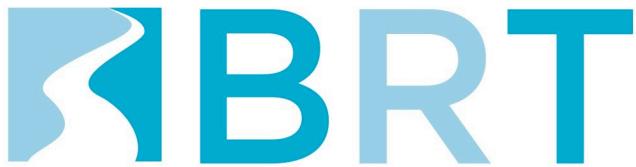
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An Exploration of Differential Item Functioning with the easyCBM Middle School Mathematics Tests: Grades 6-8

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Abstract

The purpose of this technical report is to summarize the results of an investigation into the differential item functioning (DIF) of the easyCBM(R) middle school mathematics items, Grades 6-8, designed to measure the Common Core State Standards. We investigated DIF for the seasonal benchmark test forms (fall, winter, spring) in each grade. The following groups were tested: female/male, English language learner (ELL)/non-ELL, non-White/White, Latino/non-Latino, and received/did not receive special education services. We used the Mantel-Haenszel procedure with purification, and evaluated items relative to the guidelines laid out by @Dorans, generally referred to as the ETS criteria. Overall, the results suggested that items were functioning statistically equivalent between groups. Each of the 9 test forms included 45 items, which were tested across 5 groups, for a total of $45 * 9 * 5 = 2025$ unique investigations into DIF. Of these, 97% were judged as "A" items. Future directions for development are discussed.

Introduction

When achievement gaps are discussed colloquially, a myriad of potential explanations are generally provided, including culturally, linguistically, or otherwise biased test items, gaps in students' out-of-school opportunities, and large-scale societal inequalities. If scores from the assessment are biased, then conclusions about other factors related to achievement gaps are likely unwarranted, as students' scores may be suppressed or inflated due to their representation within a specific group. Yet, simply evaluating performance on an assessment or item between a focal and reference group is insufficient to conclude whether the item is or is not biased. For example, if students from impoverished backgrounds perform lower, on average, than students from wealthy backgrounds, should we conclude that the test is biased? Or, are the differences in scores relative to the aforementioned experiential differences? Isolating the specific factors influencing differential performance between student groups is difficult, but we can investigate the extent to which the test itself is responsible for score differences by using a matching criterion between student groups. That is, we can examine the rates of success on an item while controlling for (i.e., matching on) ability. If the proportion of students correctly responding is different between groups, despite students having the same overall ability level, then the item is functioning differently between the student groups.

Test items that exhibit differential item functioning, or DIF, are not necessarily biased. When achievement gaps are evaluated, we are generally intending to measure impact, or the magnitude of differences in achievement between student groups. If a test is free of bias, then impact equals the average difference between scores between student groups. However, if the test contains some degree of bias, then impact equals the difference in scores between student groups, plus bias. In equation form

$$impact = \begin{cases} \mu_{focal} - \mu_{reference} & \text{if } bias = 0, \\ (\mu_{focal} - \mu_{reference}) + bias & \text{if } bias > 0. \end{cases}$$

Biased items are those in which students' observed response is related to some extraneous variable that relates with membership in a specific group (e.g., English language learner), but not with the underlying trait of interest. If the extraneous variable is related to both group membership and the underlying trait, then

we cannot assume that the item is biased, given that the item relates to the trait we are trying to measure. Unfortunately, it is exceedingly rare that one can determine whether an item is truly biased, because the identification of all potential extraneous variables is generally difficult, if not impossible. Rather, we identify items that display differential functioning between groups, and conclude that these items may potentially be biased. If the differential functioning exceeds certain thresholds, we conclude that the item is in need of revision or removal from operational test forms to protect against the potential for biased test scores.

The purpose of this study is to investigate the functioning of easyCBM® CCSS Math items in Grades 6-8 across various subgroups. We used a large extant sample collected across multiple states during the 2013-2014 school year. We used the Mantel-Haenszel procedure for detecting DIF, classifying items into A, B, or C items based on the magnitude of DIF, using the criteria outlined by Dorans & Holland (1993).

In what follows, we first provide some basic background on DIF, before detailing the specifics of our study. We conclude with a discussion of the practical takeaways from our study, limitations, and directions for future development and research.

Basic Background

Before getting too far into the code, let's first review some basic background on DIF and the Mantel-Haenszel (MH) procedure. In all DIF analyses, there is a **focal** and **reference** group. The focal group is the sub-population of interest (e.g., students with disabilities), while the reference group is the population to whom the focal group is compared (e.g., students without disabilities). These students are compared relative to a *matching criterion*, which is a external indicator of students' ability. All DIF analyses essentially come down to statistically evaluating the difference in item responses between focal and reference groups after conditioning on the matching criterion.

The MH approach assumes DIF is *uniform*. In other words, the DIF impact is assumed constant across the full ability range. This almost certainly never strictly true, but the data need only to reasonably resemble uniform DIF for inferences to be largely unaffected. If the interaction between ability and DIF is large, then the validity of inferences will be threatened.

The MH procedure is one of the most widely applied models, and includes generally accepted rules for accepting or rejecting an item as displaying DIF. It is a classical test theory approach, and uses the raw total test score as the matching criterion. For each raw score, the odds of correctly responding to an item are compared for the focal and reference groups. Consider the implications of this procedure on sample size. For DIF to be conducted effectively, we need at least a decent number of students in both the focal and the reference group *for each raw score*. This is part of the challenge for DIF analyses generally, not just the MH procedure. MH tests produce a couple different types of odds ratios, with two of the most common being α_{MH} and β_{MH}. The α_{MH} statistic essentially represents the sum of the odds for each raw score, while β_{MH} is a simple transformation of α_{MH}, as follows

$$\beta_{MH} = \ln(\alpha_{MH})$$

The benefit of β_{MH} is that it is signed, such that negative values indicate DIF in favor of the reference group, and positive values indicate DIF in favor of the focal group. However, the α_{MH} scale, which centers on 1.0, is in some ways the most directly interpretable. For example, if $\alpha_{MH} = 1.6$, we would conclude that the focal group's odds of correctly responding to the item are 1.6 times higher than the reference group. Similarly, if $\alpha_{MH} = 0.6$, we would conclude that the focal group's odds of correctly responding were 40% lower than the reference group.

Small differences in the odds of correctly responding to an item between the reference and focal group could be due to sampling variation, particularly given that sample sizes are generally not ideal for DIF analyses. So, at what point do we conclude that DIF is sufficiently large to warrant further action (i.e., item revisions or removal from operational test forms)? We use the following criteria, as outlined by Dorans & Holland (1993).

Evaluating α_{MH}

Confidence intervals can be constructed around α_{MH}, such that we can test whether the point estimate values differ significantly from 1.0. The following rules are then applied to classify items.

- A items (DIF is negligible)
    - $H_0 : \alpha_{MH} = 1$ is not rejected, or $H_0 : \alpha_{MH} = 1$ is rejected, but $0.65 < |\alpha_{MH}| < 1.53$
- B items (DIF is moderate)
    - $H_0 : \alpha_{MH} = 1$ is rejected, or $0.65 < |\alpha_{MH}| < 1.53$
- C items (DIF is large)
    - $0.65 < |\alpha_{MH}| < 1.53$ is rejected, and $0.52 < |\alpha_{MH}| < 1.89$

Evaluating β_{MH}

Because β_{MH} centers on 0, we can begin by testing for statistical significance. That is, we can evaluate whether the odds of correctly responding to an item are significantly different between for the focal and reference groups. ETS has also supplied two absolute value cutoff rules of $|\beta_{MH}| > 0.426$ and $|\beta_{MH}| > 0.638$. We use these two absolute values and the test of statistical significance to assign a letter grade to each item.

- A items (DIF is negligible)
    - $H_0 : \beta_{MH} = 0$ is not rejected, or $H_0 : \beta_{MH} = 0$ is rejected, but $|\beta_{MH}| < 0.426$
- B items (DIF is moderate)
    - $H_0 : \beta_{MH} = 0$ is rejected, or $|\beta_{MH}| > 0.426$
- C items (DIF is large)
    - $H_0 : |\beta_{MH}| > 0.426$ is rejected, and $|\beta_{MH}| > 0.638$

Note that to evaluate C items, confidence intervals around β_{MH} must be constructed. If an absolute value of 0.426 is not contained in the interval, then it is significantly different from 0.426.

Purification

Using the process described above, we may find some items displaying DIF after the initial pass. In this case, we now have evidence that some of the items are displaying DIF, and so these items should not be a part of our matching criterion. In other words, if our matching criterion is potentially "biased" because it is composed of items that are potentially biased, then we will end up classifying the wrong items (potentially even flagging non-DIF items as DIF items). So, we begin to *purify* our matching criterion by removing items displaying DIF. It is important to note that items that are removed from inclusion in the matching criterion are re-evaluated with the new criterion. In other words, the item is dropped only from the computation of the matching criterion, not from the analysis as a whole. Items can move from displaying DIF to not displaying DIF, or vice versa, once the matching criterion is changed/purified.

The processes described above were followed for all analyses. Below, we describe the specifics of our sample and the measures investigated.

Methods

Data for the current study were collected during the 2013-14 school year, and were culled from a large, extant database. Items from the seasonal benchmark assessments, administered during the fall, winter, and spring, were evaluated. Demographics of the sample are displayed in Tables 1-3 for Grades 6-8, respectively. Note that full race/ethnicity statistics are displayed; however, these were collapsed prior to analysis. We investigated DIF across the following groups: female/male, English language learner (ELL)/non-ELL, non-White/White, Latino/non-Latino, and received/did not receive special education services. The student groups listed above are organized with the focal group appearing first, followed by the reference group (e.g., focal/reference).

Table 1: Grade 6 Sample Demographics

	Fall N	Fall Prop	Winter N	Winter Prop	Spring N	Spring Prop
nStu	13421.00	NA	12352.0	NA	10973.00	NA
nBuild	296.00	NA	328.0	NA	283.00	NA
Female	6474.00	0.48	5995.0	0.49	5290.00	0.48
AmIndAkNat	391.00	0.03	373.0	0.03	321.00	0.03
Asian	315.00	0.02	299.0	0.02	262.00	0.02
Black	525.00	0.04	654.0	0.05	548.00	0.05
NatHawPacIsl	73.00	0.01	103.0	0.01	82.00	0.01
Unknown	340.00	0.03	405.0	0.03	283.00	0.03
White	4765.00	0.36	4299.0	0.35	4191.00	0.38
missRace	559.00	0.04	333.0	0.03	225.00	0.02
Latino	1975.00	0.15	1857.0	0.15	1608.00	0.15
missLatino	1181.00	0.09	763.0	0.06	862.00	0.08
ELL	3086.00	0.23	2932.0	0.24	2882.00	0.26
missELL	123.00	0.01	56.0	0.00	28.00	0.00
Disability	4103.00	0.31	3714.0	0.30	3592.00	0.33
missDisab	141.00	0.01	57.0	0.00	10.00	0.00
rawScore	23.99	NA	25.8	NA	27.92	NA

Table 2: Grade 7 Sample Demographics

	Fall N	Fall Prop	Winter N	Winter Prop	Spring N	Spring Prop
nStu	13421.00	NA	12352.0	NA	10973.00	NA
nBuild	296.00	NA	328.0	NA	283.00	NA
Female	6474.00	0.48	5995.0	0.49	5290.00	0.48
AmIndAkNat	391.00	0.03	373.0	0.03	321.00	0.03
Asian	315.00	0.02	299.0	0.02	262.00	0.02
Black	525.00	0.04	654.0	0.05	548.00	0.05
NatHawPacIsl	73.00	0.01	103.0	0.01	82.00	0.01
Unknown	340.00	0.03	405.0	0.03	283.00	0.03
White	4765.00	0.36	4299.0	0.35	4191.00	0.38
missRace	559.00	0.04	333.0	0.03	225.00	0.02
Latino	1975.00	0.15	1857.0	0.15	1608.00	0.15
missLatino	1181.00	0.09	763.0	0.06	862.00	0.08
ELL	3086.00	0.23	2932.0	0.24	2882.00	0.26
missELL	123.00	0.01	56.0	0.00	28.00	0.00
Disability	4103.00	0.31	3714.0	0.30	3592.00	0.33
missDisab	141.00	0.01	57.0	0.00	10.00	0.00
rawScore	23.99	NA	25.8	NA	27.92	NA

Table 3: Grade 8 Sample Demographics

	Fall N	Fall Prop	Winter N	Winter Prop	Spring N	Spring Prop
nStu	13421.00	NA	12352.0	NA	10973.00	NA
nBuild	296.00	NA	328.0	NA	283.00	NA
Female	6474.00	0.48	5995.0	0.49	5290.00	0.48
AmIndAkNat	391.00	0.03	373.0	0.03	321.00	0.03
Asian	315.00	0.02	299.0	0.02	262.00	0.02
Black	525.00	0.04	654.0	0.05	548.00	0.05
NatHawPacIsl	73.00	0.01	103.0	0.01	82.00	0.01
Unknown	340.00	0.03	405.0	0.03	283.00	0.03
White	4765.00	0.36	4299.0	0.35	4191.00	0.38
missRace	559.00	0.04	333.0	0.03	225.00	0.02
Latino	1975.00	0.15	1857.0	0.15	1608.00	0.15
missLatino	1181.00	0.09	763.0	0.06	862.00	0.08
ELL	3086.00	0.23	2932.0	0.24	2882.00	0.26
missELL	123.00	0.01	56.0	0.00	28.00	0.00
Disability	4103.00	0.31	3714.0	0.30	3592.00	0.33
missDisab	141.00	0.01	57.0	0.00	10.00	0.00
rawScore	23.99	NA	25.8	NA	27.92	NA

Measures

The seasonal (fall, winter, spring) easyCBM® CCSS measures in Grades 6-8 were used in this study. For a complete description of the development of the measure, see Anderson, Irvin, Patarapichayatham, Alonzo, & Tindal (2012b). All items were written to align with the mathematics portion of the Common Core State Standards in grade 6 (Anderson, Irvin, Alonzo, & Tindal, 2012a), and contained three response options. All easyCBM® CCSS math test forms were constructed during initial development with a Rasch model – although the system reports scores on a raw sum score. The measure was first available for public use during the 2012-2013 school year. While technically operational (e.g., student scores were reported) the measures were quite low stakes, as the results were not included in any reports of students' academic risk, and normative percentile performance was not reported. Thus, teachers could only base decisions off the raw score. From a developmental perspective, this first year of use served primarily as a data-gathering mechanism.

Test Development

For a complete description of the development of the measures, see Anderson et al. (2012b). The measures were developed to align with the Common Core State standards. An investigation by Anderson et al. (2012a) suggested an overall high degree of alignment between the item content and the standard. The internal consistency (an indicator of reliability) of the measures was investigated by Wray, Alonzo, & Tindal (2014) and found to be quite high, with Cronbach's alpha ranging from .92-.95 across measures. Anderson, Rowley, Alonzo, & Tindal (2014) Found the measures had a strong relation with the SAT-10, with correlations ranging from .75-.82 across grades (only the winter measure) was investigated. The easyCBM® CCSS measures accounted for 56% to 67% of the total variance in the SAT-10. Finally, Anderson, Kahn, Alonzo, & Tindal (2015) explored the dimensionality of the measures, and found the forms to be essentially unidimensional. The purpose of this report is to add to the body of technical adequacy evidence for the easyCBM® CCSS measures by investigating the degree to which individual items functioned differently across key demographic groups.

Analyses

Mantel-Haenszel (MH) analyses with purification were conducted for all items across test forms and grades, using the SPSS statistical software. We followed the procedures listed in the introduction for all analyses.

Results

Full results of the purified MH analyses are displayed in Appendix A. Each table displays the item ID, followed by the summative grade (A, B, or C; see introduction), and the α_{MH} and β_{MH} statistics (including the lower and upper bounds of the confidence intervals for both). Note that a full table of results is presented for each group under investigation for each test forms, leading to $5 * 9 = 45$ tables. Given that each test form contains 45 items, there were a total of $45 * 45 = 2025$ investigations into item functioning. Table 4 below provides an overall summary of the grades.

Table 4: Summary Grade Judgments for Items Across Analyses

Test_Form	A	B	C
g6fall_ell	45	0	0
g6fall_female	41	4	0
g6fall_hispanic	45	0	0
g6fall_nonwhite	45	0	0
g6fall_sped	44	1	0
g6spring_ell	45	0	0
g6spring_female	43	2	0
g6spring_hispanic	45	0	0
g6spring_nonwhite	45	0	0
g6spring_sped	45	0	0
g6winter_ell	45	0	0
g6winter_female	43	2	0
g6winter_hispanic	45	0	0
g6winter_nonwhite	45	0	0
g6winter_sped	45	0	0
g7fall_ell	45	0	0
g7fall_gender	42	3	0
g7fall_hispanic	45	0	0
g7fall_nonwhite	45	0	0
g7fall_sped	45	0	0
g7spring_ell	45	0	0
g7spring_female	44	1	0
g7spring_hispanic	45	0	0
g7spring_nonwhite	45	0	0
g7spring_sped	45	0	0
g7winter_ell	44	1	0
g7winter_gender	42	3	0
g7winter_hispanic	45	0	0
g7winter_nonwhite	45	0	0
g7winter_sped	45	0	0
g8fall_ell	44	1	0
g8fall_female	44	1	0
g8fall_hispanic	45	0	0
g8fall_nonwhite	45	0	0
g8fall_sped	43	2	0
g8spring_ell	44	1	0
g8spring_female	44	1	0
g8spring_hispanic	45	0	0
g8spring_nonwhite	45	0	0
g8spring_sped	45	0	0
g8winter_ell_round1	37	7	1
g8winter_ell_round2	37	7	1
g8winter_female	44	1	0
g8winter_hispanic	45	0	0
g8winter_nonwhite	45	0	0
g8winter_sped	39	6	0

Discussion

The results of this study suggest that, overall, the easyCBM® CCSS Math items in Grades 6-8 function statistically equivalent across a broad range of student ability groups. However, there were a few items–approximately 3% of all item investigations–that did display some degree of differential functioning between student groups. These items should be monitored closely in the future, as they may be candidates for removal. Again, it is important to note that differential functioning does not necessarily imply biased items. Rather the differential functioning implies that the items might potentially be biased. This is part of the reason these items are not removed immediately, and rather go on "monitor" status. However, many test forms had no items displaying evidence of differential functioning. Thus, substantial evidence exists that these measures are appropriate for a wide range of students.

Appendix A: Differential Item Functioning Results

Table 5: g6fall_ell

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I6EE5014	A	1.12	1.02	1.22	0.11	0.02	0.20
I6EE5006	A	1.07	0.97	1.18	0.07	-0.03	0.17
I6EE7007	A	1.00	0.91	1.10	0.00	-0.09	0.09
I6EE1019	A	1.19	1.09	1.30	0.18	0.09	0.27
I6EE7015	A	1.03	0.94	1.12	0.03	-0.07	0.12
I6G1005	A	0.85	0.76	0.94	-0.17	-0.27	-0.07
I6G2024	A	0.96	0.88	1.04	-0.05	-0.13	0.04
I6G3010	A	1.00	0.91	1.09	-0.01	-0.09	0.08
I6G1033	A	0.89	0.81	0.98	-0.12	-0.21	-0.02
I6G4023	A	0.96	0.87	1.05	-0.05	-0.14	0.05
I6G3038	A	1.15	1.06	1.26	0.14	0.05	0.23
I6NS2017	A	0.96	0.87	1.06	-0.04	-0.14	0.06
I6NS4010	A	0.96	0.87	1.06	-0.04	-0.13	0.06
I6NS8016	A	1.12	1.02	1.23	0.11	0.02	0.21
I6NS5011	A	1.00	0.91	1.10	0.00	-0.09	0.09
I6RP1006	A	1.03	0.93	1.13	0.03	-0.07	0.12
I6RP3006	A	0.93	0.85	1.03	-0.07	-0.17	0.03
I6RP1028	A	0.90	0.83	0.99	-0.10	-0.19	-0.01
I6RP3029	A	1.03	0.95	1.13	0.03	-0.06	0.12
I6RP2035	A	0.95	0.87	1.04	-0.05	-0.14	0.04
I6SP2025	A	1.00	0.92	1.10	0.00	-0.09	0.09
I6SP2034	A	0.97	0.89	1.06	-0.03	-0.12	0.06
I6SP1001	A	0.87	0.80	0.95	-0.14	-0.23	-0.05
I6SP4012	A	0.98	0.89	1.07	-0.03	-0.12	0.06
I6SP5008	A	1.07	0.98	1.17	0.07	-0.02	0.16
60097.	A	0.82	0.72	0.93	-0.20	-0.33	-0.07
60265.	A	1.07	0.97	1.19	0.07	-0.03	0.17
60300.	A	1.12	1.01	1.23	0.11	0.01	0.21
60353.	A	1.05	0.95	1.17	0.05	-0.05	0.15
60366.	A	0.92	0.85	1.01	-0.08	-0.17	0.01
I6NS7011	A	1.05	0.94	1.17	0.05	-0.06	0.16
I6NS5015	A	0.91	0.83	1.00	-0.09	-0.19	0.00
I6NS5006	A	0.89	0.81	0.98	-0.11	-0.21	-0.02
I6RP1023	A	0.88	0.81	0.96	-0.13	-0.22	-0.04
I6EE2010	A	0.99	0.90	1.10	-0.01	-0.11	0.10
I7G3019	A	1.02	0.90	1.15	0.02	-0.10	0.14
I7RP2003	A	0.88	0.79	0.97	-0.13	-0.23	-0.03
I7RP2005	A	0.96	0.88	1.05	-0.04	-0.13	0.05
I7NS3059	A	1.03	0.94	1.12	0.03	-0.06	0.12
I7RP1047	A	1.04	0.94	1.14	0.04	-0.06	0.13
@5OA34	A	1.10	0.95	1.26	0.09	-0.05	0.23
@5NBT25	A	1.11	0.96	1.29	0.11	-0.04	0.26
@5OA11	A	1.07	0.95	1.19	0.06	-0.05	0.17
@5G412	A	0.91	0.83	0.99	-0.10	-0.19	-0.01
@5MD415	A	0.91	0.83	1.00	-0.10	-0.19	-0.01

Table 6: g6fall_female

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I6EE5014	A	0.922	0.855	0.994	-0.081	-0.156	-0.006
I6EE5006	A	1.004	0.925	1.090	0.004	-0.077	0.086
I6EE7007	A	1.285	1.189	1.388	0.251	0.173	0.328
I6EE1019	A	1.083	1.005	1.168	0.080	0.005	0.155
I6EE7015	A	0.967	0.896	1.043	-0.034	-0.110	0.042
I6G1005	B	1.553	1.422	1.697	0.440	0.352	0.529
I6G2024	A	0.932	0.866	1.004	-0.070	-0.144	0.004
I6G3010	A	1.155	1.072	1.244	0.144	0.070	0.218
I6G1033	A	0.757	0.699	0.820	-0.278	-0.358	-0.198
I6G4023	A	1.003	0.929	1.083	0.003	-0.073	0.080
I6G3038	A	1.054	0.976	1.137	0.052	-0.024	0.128
I6NS2017	A	1.222	1.122	1.330	0.200	0.115	0.285
I6NS4010	A	1.060	0.978	1.149	0.058	-0.022	0.139
I6NS8016	A	1.154	1.066	1.249	0.143	0.064	0.222
I6NS5011	B	0.586	0.541	0.633	-0.535	-0.614	-0.457
I6RP1006	A	0.986	0.908	1.071	-0.014	-0.096	0.069
I6RP3006	A	0.886	0.815	0.963	-0.121	-0.205	-0.307
I6RP1028	A	1.226	1.138	1.322	0.204	0.129	0.279
I6RP3029	A	0.872	0.810	0.938	-0.137	-0.211	-0.064
I6RP2035	A	0.853	0.791	0.919	-0.159	-0.234	-0.084
I6SP2025	A	0.988	0.918	1.064	-0.012	-0.086	0.062
I6SP2034	A	1.074	0.997	1.157	0.072	-0.003	0.146
I6SP1001	A	1.155	1.074	1.242	0.144	0.071	0.216
I6SP4012	A	1.111	1.031	1.197	0.105	0.031	0.180
I6SP5008	A	1.077	0.999	1.160	0.074	-0.001	0.148
60097.	A	1.380	1.230	1.549	0.322	0.207	0.438
60265.	A	1.358	1.244	1.483	0.306	0.219	0.394
60300.	A	1.157	1.066	1.256	0.146	0.064	0.228
60353.	A	0.966	0.888	1.050	-0.035	-0.119	0.049
60366.	A	1.053	0.980	1.131	0.051	-0.021	0.123
I6NS7011	A	0.840	0.767	0.920	-0.174	-0.266	-0.083
I6NS5015	B	0.606	0.560	0.656	-0.501	-0.580	-0.421
I6NS5006	B	0.620	0.573	0.672	-0.478	-0.558	-0.398
I6RP1023	A	1.121	1.042	1.206	0.114	0.041	0.187
I6EE2010	A	0.911	0.836	0.993	-0.093	-0.179	-0.007
I7G3019	A	0.998	0.899	1.108	-0.002	-0.107	0.102
I7RP2003	A	1.146	1.053	1.248	0.137	0.052	0.221
I7RP2005	A	0.999	0.926	1.078	-0.001	-0.077	0.075
I7NS3059	A	0.961	0.892	1.036	-0.040	-0.114	0.035
I7RP1047	A	0.857	0.789	0.931	-0.154	-0.237	-0.072
@5OA34	A	1.180	1.046	1.332	0.166	0.045	0.286
@5NBT25	A	1.289	1.135	1.465	0.254	0.126	0.382
@5OA11	A	1.272	1.158	1.397	0.241	0.147	0.335
@5G412	A	1.110	1.027	1.199	0.104	0.027	0.182
@5MD415	A	0.859	0.794	0.930	-0.152	-0.230	-0.073

Table 7: g6fall_hispanic

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I6EE5014	A	1.10	1.01	1.19	0.09	0.01	0.17
I6EE5006	A	0.96	0.88	1.05	-0.04	-0.13	0.05
I6EE7007	A	1.08	0.99	1.17	0.07	-0.01	0.16
I6EE1019	A	0.99	0.92	1.08	-0.01	-0.09	0.08
I6EE7015	A	1.04	0.95	1.12	0.03	-0.05	0.12
I6G1005	A	1.15	1.05	1.27	0.14	0.05	0.24
I6G2024	A	0.89	0.82	0.96	-0.12	-0.20	-0.04
I6G3010	A	0.95	0.88	1.03	-0.05	-0.13	0.03
I6G1033	A	0.87	0.80	0.95	-0.14	-0.23	-0.06
I6G4023	A	1.03	0.95	1.12	0.03	-0.05	0.11
I6G3038	A	1.03	0.95	1.12	0.03	-0.05	0.12
I6NS2017	A	1.10	1.04	1.21	0.10	0.00	0.19
I6NS4010	A	1.07	0.98	1.17	0.07	-0.02	0.15
I6NS8016	A	1.08	0.99	1.18	0.08	-0.01	0.16
I6NS5011	A	0.94	0.87	1.02	-0.06	-0.14	0.02
I6RP1006	A	1.08	0.99	1.18	0.08	-0.01	0.17
I6RP3006	A	0.96	0.87	1.05	-0.05	-0.14	0.04
I6RP1028	A	1.00	0.92	1.08	0.00	-0.08	0.08
I6RP3029	A	0.93	0.86	1.00	-0.08	-0.16	0.00
I6RP2035	A	0.87	0.80	0.95	-0.14	-0.22	-0.06
I6SP2025	A	0.97	0.89	1.05	-0.03	-0.11	0.05
I6SP2034	A	0.91	0.84	0.99	-0.10	-0.18	-0.02
I6SP1001	A	0.94	0.87	1.02	-0.06	-0.14	0.02
I6SP4012	A	1.01	0.93	1.10	0.01	-0.07	0.09
I6SP5008	A	1.01	0.93	1.09	0.01	-0.08	0.09
60097.	A	0.90	0.79	1.01	-0.11	-0.23	0.01
60265.	A	1.20	1.09	1.32	0.18	0.08	0.27
60300.	A	1.14	1.04	1.25	0.13	0.04	0.22
60353.	A	1.10	1.01	1.21	0.10	0.01	0.19
60366.	A	0.93	0.86	1.01	-0.07	-0.15	0.01
I6NS7011	A	1.05	0.96	1.16	0.05	-0.05	0.15
I6NS5015	A	0.92	0.85	1.01	-0.08	-0.17	0.01
I6NS5006	A	0.86	0.79	0.94	-0.15	-0.23	-0.06
I6RP1023	A	0.94	0.87	1.02	-0.06	-0.14	0.02
I6EE2010	A	1.09	0.99	1.19	0.08	-0.01	0.18
I7G3019	A	0.95	0.85	1.07	-0.05	-0.16	0.06
I7RP2003	A	0.91	0.83	1.00	-0.09	-0.18	0.00
I7RP2005	A	1.00	0.92	1.08	0.00	-0.08	0.08
I7NS3059	A	0.93	0.85	1.00	-0.08	-0.16	0.00
I7RP1047	A	0.93	0.85	1.02	-0.07	-0.16	0.02
@5OA34	A	1.23	1.08	1.40	0.21	0.08	0.34
@5NBT25	A	1.15	1.00	1.32	0.14	0.00	0.28
@5OA11	A	1.04	0.94	1.15	0.04	-0.06	0.14
@5G412	A	1.03	0.94	1.10	0.02	-0.06	0.11
@5MD415	A	0.90	0.83	0.98	-0.11	-0.19	-0.02

Table 8: g6fall_nonwhite

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I6EE5014	A	1.15	1.06	1.24	0.14	0.06	0.21
I6EE5006	A	0.98	0.90	1.06	-0.02	-0.11	0.06
I6EE7007	A	1.06	0.98	1.14	0.05	-0.03	0.13
I6EE1019	A	1.02	0.95	1.10	0.02	-0.06	0.10
I6EE7015	A	1.06	0.98	1.15	0.06	-0.02	0.14
I6G1005	A	1.03	0.94	1.13	0.03	-0.06	0.12
I6G2024	A	0.93	0.87	1.01	-0.07	-0.14	0.01
I6G3010	A	1.04	0.96	1.12	0.04	-0.04	0.11
I6G1033	A	0.88	0.81	0.96	-0.13	-0.21	-0.05
I6G4023	A	1.01	0.93	1.09	0.01	-0.07	0.09
I6G3038	A	1.04	0.96	1.13	0.04	-0.04	0.12
I6NS2017	A	0.99	0.91	1.08	-0.01	-0.10	0.08
I6NS4010	A	1.05	0.97	1.14	0.05	-0.03	0.13
I6NS8016	A	1.05	0.97	1.13	0.05	-0.04	0.13
I6NS5011	A	0.92	0.85	0.99	-0.09	-0.17	-0.01
I6RP1006	A	1.00	0.92	1.09	0.00	-0.08	0.09
I6RP3006	A	0.87	0.80	0.95	-0.14	-0.22	-0.05
I6RP1028	A	1.03	0.95	1.11	0.03	-0.05	0.10
I6RP3029	A	0.90	0.84	0.97	-0.10	0.18	-0.03
I6RP2035	A	0.92	0.85	0.99	-0.09	-0.16	-0.01
I6SP2025	A	1.02	0.94	1.10	0.02	-0.06	0.09
I6SP2034	A	1.02	0.94	1.10	0.02	-0.06	0.10
I6SP1001	A	0.92	0.86	0.99	-0.08	-0.16	-0.01
I6SP4012	A	1.02	0.95	1.10	0.02	-0.06	0.10
I6SP5008	A	0.94	0.88	1.02	-0.06	-0.13	0.02
60097.	A	0.90	0.80	1.02	-0.10	-0.22	0.02
60265.	A	1.14	1.04	1.24	0.13	0.04	0.22
60300.	A	1.14	1.05	1.24	0.13	0.05	0.22
60353.	A	1.09	1.00	1.18	0.08	0.00	0.17
60366.	A	0.96	0.89	1.03	-0.04	-0.11	0.03
I6NS7011	A	0.98	0.89	1.08	-0.02	-0.11	0.07
I6NS5015	A	0.87	0.81	0.95	-0.13	-0.21	-0.05
I6NS5006	A	0.87	0.80	0.94	-0.14	-0.22	-0.06
I6RP1023	A	0.98	0.91	1.06	-0.02	-0.10	0.06
I6EE2010	A	0.98	0.90	1.07	-0.02	-0.11	0.07
I7G3019	A	0.87	0.78	0.96	-0.15	-0.25	-0.04
I7RP2003	A	0.96	0.88	1.05	-0.04	-0.13	0.05
I7RP2005	A	1.02	0.94	1.10	0.02	-0.06	0.10
I7NS3059	A	0.98	0.90	1.05	-0.03	-0.10	0.05
I7RP1047	A	1.01	0.93	1.10	0.01	-0.08	0.09
@5OA34	A	1.07	0.94	1.21	0.07	-0.06	0.19
@5NBT25	A	1.14	1.00	1.30	0.13	0.00	0.26
@5OA11	A	0.98	0.89	1.08	-0.02	-0.12	0.07
@5G412	A	0.96	0.89	1.04	-0.04	-0.12	0.04
@5MD415	A	0.85	0.78	0.92	-0.17	-0.25	-0.09

Table 9: g6fall_sped

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I6EE5014	A	1.01	0.93	1.10	0.01	-0.07	0.09
I6EE5006	A	0.98	0.90	1.08	-0.02	-0.11	0.07
I6EE7007	A	0.87	0.79	0.94	-0.15	-0.23	-0.06
I6EE1019	A	1.34	1.23	1.45	0.29	0.21	0.37
I6EE7015	A	1.09	1.00	1.19	0.09	0.00	0.17
I6G1005	A	0.70	0.64	0.77	-0.36	-0.45	-0.26
I6G2024	A	1.02	0.94	1.10	0.02	-0.07	0.10
I6G3010	A	0.97	0.89	1.05	-0.04	-0.12	0.05
I6G1033	A	1.09	1.00	1.19	0.08	0.00	0.17
I6G4023	A	0.92	0.84	1.00	-0.09	-0.17	0.00
I6G3038	A	1.14	1.05	1.24	0.13	0.05	0.22
I6NS2017	A	0.83	0.76	0.91	-0.19	-0.28	-0.10
I6NS4010	A	0.85	0.78	0.93	-0.16	-0.25	-0.07
I6NS8016	A	1.06	0.97	1.15	0.06	-0.03	0.14
I6NS5011	A	1.15	1.05	1.25	0.14	0.05	0.22
I6RP1006	A	0.92	0.84	1.01	-0.08	-0.17	0.01
I6RP3006	A	0.82	0.75	0.89	-0.20	-0.29	-0.11
I6RP1028	A	0.98	0.90	1.06	-0.02	-0.11	0.06
I6RP3029	A	1.03	0.95	1.12	0.03	-0.05	0.11
I6RP2035	A	1.03	0.94	1.12	0.03	-0.06	0.11
I6SP2025	A	1.03	0.95	1.12	0.03	-0.05	0.12
I6SP2034	A	1.05	0.96	1.14	0.04	-0.04	0.13
I6SP1001	A	1.00	0.93	1.09	0.00	-0.08	0.09
I6SP4012	A	0.92	0.85	1.00	-0.08	-0.16	0.00
I6SP5008	A	1.08	0.99	1.17	0.08	-0.01	0.16
60097.	B	0.63	0.56	0.71	-0.46	-0.58	-0.34
60265.	A	0.92	0.83	1.01	-0.09	-0.18	0.01
60300.	A	1.01	0.93	1.11	0.01	-0.08	0.11
60353.	A	1.02	0.93	1.12	0.02	-0.08	0.11
60366.	A	0.95	0.88	1.03	-0.05	-0.13	0.03
I6NS7011	A	0.98	0.88	1.08	-0.02	-0.12	0.08
I6NS5015	A	1.02	0.94	1.12	0.02	-0.07	0.11
I6NS5006	A	0.99	0.91	1.09	-0.01	-0.10	0.08
I6RP1023	A	0.94	0.87	1.02	-0.06	-0.14	0.02
I6EE2010	A	1.09	0.99	1.20	0.09	-0.01	0.18
I7G3019	A	0.91	0.81	1.02	-0.10	-0.21	0.02
I7RP2003	A	0.87	0.79	0.95	-0.14	-0.24	-0.05
I7RP2005	A	1.00	0.92	1.10	0.00	-0.08	0.09
I7NS3059	A	1.04	0.96	1.13	0.04	-0.04	0.13
I7RP1047	A	1.13	1.03	1.24	0.12	0.03	0.22
@5OA34	A	0.87	0.77	0.99	-0.14	0.26	-0.01
@5NBT25	A	0.86	0.75	0.98	-0.15	-0.28	-0.02
@5OA11	A	0.87	0.79	0.97	-0.14	-0.24	-0.04
@5G412	A	0.89	0.82	0.97	-0.12	-0.20	-0.03
@5MD415	A	0.89	0.81	0.97	-0.12	-0.21	-0.03

Table 10: g6spring_ell

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I6EE8011	A	1.091	0.969	1.229	0.087	-0.032	0.206
I6EE9007	A	0.917	0.832	1.011	-0.086	-0.184	0.011
I6EE2004	A	0.899	0.812	0.994	-0.107	-0.208	-0.006
I6EE5007	A	1.017	0.916	1.130	0.017	-0.088	0.122
I6G2003	A	0.972	0.871	1.084	-0.029	-0.138	0.081
I6G3042	A	1.136	1.035	1.247	0.127	0.034	0.221
I6G2026	A	0.787	0.712	0.870	-0.239	-0.339	-0.139
I6G3024	A	1.184	1.070	1.310	0.169	0.068	0.270
I6G4019	A	1.073	0.967	1.192	0.071	-0.034	0.175
I6NS1005	A	0.847	0.759	0.945	-0.166	-0.276	-0.056
I6NS6020	A	0.997	0.884	1.126	-0.003	-0.124	0.118
I6NS8002	A	1.314	0.157	1.492	0.273	0.146	0.400
I6NS5005	A	0.926	0.838	1.023	-0.077	-0.176	0.023
I6NS7020	A	1.014	0.923	1.113	0.014	-0.080	0.107
I6NS6001	A	0.950	0.860	1.049	-0.051	-0.151	0.048
I6RP1022	A	1.009	0.890	1.144	0.009	-0.117	0.135
I6RP2001	A	1.025	0.895	1.175	0.025	-0.111	0.161
I6RP2022	A	0.988	0.888	1.099	-0.012	-0.119	0.095
I6RP1033	A	0.803	0.722	0.893	-0.220	-0.326	-0.113
I6RP1017	A	1.049	0.945	1.164	0.048	-0.057	0.152
I6SP2030	A	1.038	0.930	1.158	0.037	-0.073	0.147
I6SP4003	A	1.487	1.343	1.645	0.396	0.295	0.498
I6SP2005	A	0.977	0.882	1.081	-0.023	-0.125	0.078
I6SP2023	A	1.141	1.030	1.264	0.132	0.029	0.234
I6SP2029	A	1.161	1.048	1.286	0.149	0.047	0.252
60994.	A	0.853	0.746	0.975	-0.159	-0.293	-0.025
60386.	A	0.933	0.837	1.041	-0.069	-0.179	0.040
60070.	A	0.980	0.830	1.156	-0.020	-0.186	0.145
60883.	A	0.952	0.848	1.068	-0.049	-0.165	0.066
60726.	A	1.091	0.977	1.219	0.087	-0.023	0.198
I6NS7010	A	0.920	0.794	1.067	-0.083	-0.231	0.065
I6RP2047	A	0.892	0.796	0.999	-0.115	-0.228	-0.001
I6NS1019	A	0.950	0.863	1.047	-0.051	-0.148	0.046
I6RP3028	A	0.937	0.841	1.044	-0.065	-0.173	0.043
I6EE9005	A	0.967	0.877	1.066	-0.034	-0.131	0.064
I7RP2050	A	1.000	0.834	1.199	0.000	-0.182	0.181
I7RP1003	A	0.864	0.774	0.963	-0.147	-0.256	-0.037
I7NS2041	A	1.239	1.125	1.364	0.214	0.117	0.311
I7NS3003	A	0.776	0.699	0.860	-0.254	-0.358	-0.151
I7RP3006	A	1.109	0.997	1.232	0.103	-0.003	0.209
@50661	A	1.014	0.874	1.176	0.014	-0.134	0.162
@5G122	A	1.317	1.153	1.503	0.275	0.143	0.407
@5G34	A	0.945	0.844	1.057	-0.057	-0.169	0.056
@51029	A	0.865	0.758	0.987	-0.145	-0.277	-0.013
@5OA322	A	1.082	0.969	1.210	0.079	-0.032	0.190

Table 11: g6spring_female

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I6EE8011	A	1.107	0.997	1.229	0.102	-0.003	0.206
I6EE9007	A	1.129	1.036	1.231	0.121	0.035	0.208
I6EE2004	A	0.961	0.879	1.051	-0.039	-0.129	0.050
I6EE5007	A	0.863	0.786	0.947	-0.148	-0.241	-0.055
I6G2003	A	0.953	0.865	1.051	-0.048	-0.145	0.049
I6G3042	A	1.101	1.015	1.194	0.096	0.015	0.177
I6G2026	A	1.170	1.074	1.275	0.157	0.071	0.243
I6G3024	A	1.067	0.977	1.165	0.064	-0.023	0.152
I6G4019	A	1.030	0.940	1.128	0.029	-0.062	0.121
I6NS1005	A	0.902	0.817	0.996	-0.103	-0.202	-0.004
I6NS6020	A	0.932	0.837	1.038	-0.070	-0.178	0.037
I6NS8002	A	1.099	0.985	1.225	0.094	-0.015	0.203
I6NS5005	B	0.640	0.586	0.700	-0.446	-0.534	-0.357
I6NS7020	A	0.923	0.850	1.001	-0.080	-0.162	0.001
I6NS6001	A	0.686	0.629	0.748	-0.377	-0.464	-0.291
I6RP1022	A	1.267	1.132	1.418	0.237	0.124	0.349
I6RP2001	A	1.304	1.155	1.474	0.266	0.144	0.388
I6RP2022	A	0.967	0.880	1.063	-0.033	-0.128	0.061
I6RP1033	A	0.678	0.617	0.745	-0.389	-0.484	-0.294
I6RP1017	A	1.304	1.190	1.429	0.265	0.174	0.357
I6SP2030	A	1.212	1.100	1.336	0.193	0.096	0.290
I6SP4003	A	1.136	1.042	1.239	0.128	0.041	0.214
I6SP2005	A	0.942	0.861	1.030	-0.060	-0.149	0.029
I6SP2023	A	1.122	1.026	1.227	0.115	0.026	0.205
I6SP2029	A	1.117	1.022	1.221	0.111	0.022	0.200
60994.	A	1.304	1.156	1.472	0.266	0.145	0.386
60386.	A	1.127	1.023	1.242	0.120	0.023	0.217
60070.	A	1.448	1.244	1.686	0.370	0.218	0.522
60883.	A	1.156	1.043	1.281	0.145	0.042	0.248
60726.	A	1.006	0.913	1.018	0.006	-0.091	0.103
I6NS7010	A	0.733	0.640	0.839	-0.311	-0.446	-0.176
I6RP2047	A	0.776	0.701	0.858	-0.254	-0.355	-0.153
I6NS1019	A	1.033	0.949	1.123	0.032	-0.052	0.116
I6RP3028	A	0.682	0.620	0.750	-0.383	-0.478	-0.287
I6EE9005	A	1.086	0.997	1.182	0.082	-0.003	0.167
I7RP2050	A	1.340	1.135	1.582	0.293	0.127	0.459
I7RP1003	A	0.736	0.668	0.811	-0.306	-0.403	-0.210
I7NS2041	A	1.013	0.931	1.102	0.013	-0.072	0.097
I7NS3003	A	1.053	0.963	1.151	0.052	-0.037	0.141
I7RP3006	B	0.619	0.564	0.681	-0.479	-0.573	-0.385
@50661	A	1.353	1.183	1.548	0.302	0.168	0.437
@5G122	A	1.403	1.253	1.572	0.339	0.225	0.453
@5G34	A	1.101	0.996	1.217	0.096	-0.004	0.196
@51029	A	1.218	1.081	1.371	0.197	0.078	0.316
@5OA322	A	1.102	1.000	1.215	0.097	0.000	0.195

Table 12: g6spring_hispanic

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I6EE8011	A	0.972	0.871	1.085	-0.028	-0.138	0.082
I6EE9007	A	0.991	0.905	1.086	-0.009	-0.100	0.083
I6EE2004	A	1.112	1.011	1.223	0.106	0.011	0.201
I6EE5007	A	1.000	0.907	1.103	0.000	-0.098	0.098
I6G2003	A	1.045	0.943	1.158	0.044	-0.058	0.147
I6G3042	A	1.169	1.073	1.275	0.156	0.070	0.243
I6G2026	A	0.906	0.827	0.993	-0.099	-0.190	-0.007
I6G3024	A	1.021	0.931	1.121	0.021	-0.072	0.114
I6G4019	A	1.189	1.079	1.310	0.173	0.076	0.270
I6NS1005	A	0.812	0.733	0.901	-0.208	-0.311	-0.104
I6NS6020	A	1.095	0.977	1.228	0.091	-0.023	0.205
I6NS8002	A	1.172	1.044	1.316	0.159	0.043	0.274
I6NS5005	A	0.995	0.906	1.091	-0.005	-0.908	0.088
I6NS7020	A	0.978	0.897	1.067	-0.022	-0.109	0.065
I6NS6001	A	1.158	1.056	1.269	0.146	0.054	0.238
I6RP1022	A	1.050	0.933	1.181	0.049	-0.070	0.167
I6RP2001	A	1.029	0.906	1.168	0.028	-0.099	0.155
I6RP2022	A	1.102	0.997	1.218	0.097	-0.003	0.197
I6RP1033	A	0.822	0.744	0.909	-0.196	-0.296	-0.096
I6RP1017	A	1.204	0.929	1.128	0.023	-0.074	0.121
I6SP2030	A	1.172	1.056	1.301	0.159	0.055	0.263
I6SP4003	A	1.473	1.341	1.617	0.387	0.294	0.481
I6SP2005	A	0.905	0.824	0.995	-0.099	-0.194	-0.005
I6SP2023	A	1.181	1.074	1.298	0.166	0.071	0.261
I6SP2029	A	1.250	1.137	1.375	0.223	0.129	0.318
60994.	A	0.844	0.743	0.957	-0.170	-0.296	-0.044
60386.	A	0.889	0.803	0.986	-0.117	-0.220	-0.014
60070.	A	1.020	0.870	1.195	0.019	-0.139	0.178
60883.	A	1.001	0.898	1.116	0.001	-0.108	0.110
60726.	A	1.071	0.966	1.187	0.068	-0.035	0.171
I6NS7010	A	0.795	0.691	0.914	-0.230	-0.370	-0.090
I6RP2047	A	0.813	0.731	0.904	-0.207	-0.313	-0.101
I6NS1019	A	0.983	0.899	1.075	-0.017	-0.107	0.072
I6RP3028	A	0.954	0.863	1.055	-0.047	-0.147	0.053
I6EE9005	A	0.899	0.821	0.985	-0.106	-0.197	-0.015
I7RP2050	A	0.993	0.837	1.178	-0.007	-0.178	0.164
I7RP1003	A	0.857	0.774	0.950	-0.154	-0.256	-0.052
I7NS2041	A	1.003	0.916	1.097	0.003	-0.087	0.093
I7NS3003	A	0.842	0.766	0.926	-0.172	-0.267	-0.077
I7RP3006	A	1.034	0.937	1.142	0.034	-0.065	0.133
@50661	A	0.949	0.825	1.092	-0.052	-0.193	0.088
@5G122	A	1.186	1.052	1.338	0.171	0.051	0.291
@5G34	A	0.901	0.811	1.002	-0.104	-0.209	0.002
@51029	A	1.026	0.905	1.163	0.026	-0.100	0.151
@5OA322	A	0.986	0.889	1.093	-0.014	-0.117	0.088

Table 13: g6spring_nonwhite

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I6EE8011	A	1.074	0.966	1.193	0.071	-0.034	0.177
I6EE9007	A	1.065	0.976	1.162	0.063	-0.025	0.150
I6EE2004	A	1.146	1.047	1.254	0.136	0.046	0.227
I6EE5007	A	0.973	0.886	1.069	-0.027	-0.121	0.067
I6G2003	A	1.076	0.975	1.187	0.073	-0.026	0.171
I6G3042	A	0.931	0.858	1.010	-0.072	-0.154	0.010
I6G2026	A	0.825	0.756	0.900	-0.192	-0.279	-0.106
I6G3024	A	1.064	0.973	1.163	0.062	-0.027	0.151
I6G4019	A	1.042	0.951	1.142	0.041	-0.051	0.133
I6NS1005	A	0.750	0.679	0.829	-0.288	-0.388	-0.188
I6NS6020	A	0.986	0.884	1.099	-0.014	-0.123	0.094
I6NS8002	A	1.163	1.043	1.299	0.151	0.042	0.261
I6NS5005	A	0.922	0.844	1.008	-0.081	-0.170	0.008
I6NS7020	A	1.068	0.984	1.160	0.066	-0.016	0.149
I6NS6001	A	0.945	0.866	1.030	-0.057	-0.144	0.030
I6RP1022	A	1.169	1.043	1.309	0.156	0.042	0.269
I6RP2001	A	1.048	0.928	1.184	0.047	-0.075	0.169
I6RP2022	A	0.888	0.807	0.977	-0.118	-0.214	-0.023
I6RP1033	A	0.915	0.832	1.007	-0.088	-0.183	0.006
I6RP1017	A	1.127	1.027	1.236	0.119	0.027	0.212
I6SP2030	A	1.166	1.058	1.286	0.154	0.056	0.252
I6SP4003	A	1.404	1.286	1.533	0.339	0.251	0.427
I6SP2005	A	1.044	0.954	1.143	0.043	-0.047	0.133
I6SP2023	A	1.242	1.135	1.359	0.217	0.126	0.307
I6SP2029	A	1.338	1.223	1.464	0.291	0.201	0.381
60994.	A	0.741	0.656	0.838	-0.299	-0.422	-0.177
60386.	A	0.849	0.770	0.937	-0.164	-0.262	-0.065
60070.	A	1.048	0.901	1.219	0.047	-0.105	0.198
60883.	A	1.072	0.967	1.189	0.070	-0.340	0.174
60726.	A	1.029	0.933	1.135	0.029	-0.069	0.127
I6NS7010	A	0.933	0.815	1.067	-0.070	-0.205	0.065
I6RP2047	A	0.885	0.799	0.979	-0.123	0.224	-0.021
I6NS1019	A	0.881	0.809	0.960	-0.126	-0.212	-0.041
I6RP3028	A	0.838	0.762	0.922	-0.176	-0.272	-0.081
I6EE9005	A	0.927	0.851	1.010	-0.076	-0.162	0.010
I7RP2050	A	0.914	0.775	1.079	-0.090	-0.255	0.076
I7RP1003	A	0.769	0.697	0.847	-0.263	-0.361	-0.166
I7NS2041	A	1.224	1.124	1.333	0.202	0.117	0.287
I7NS3003	A	0.977	0.893	1.069	-0.023	-0.113	0.067
I7RP3006	A	1.004	0.914	1.103	0.004	-0.090	0.098
@50661	A	1.031	0.902	1.180	0.031	-0.103	0.165
@5G122	A	1.199	1.070	1.344	0.182	0.068	0.295
@5G34	A	0.850	0.768	0.940	-0.163	-0.264	-0.062
@51029	A	1.010	0.896	1.138	0.010	-0.110	0.129
@5OA322	A	1.058	0.959	1.166	0.056	-0.042	0.154

Table 14: g6spring_sped

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I6EE8011	A	0.978	0.875	1.093	-0.022	-0.133	0.089
I6EE9007	A	0.912	0.831	1.002	-0.092	-0.185	0.002
I6EE2004	A	0.903	0.820	0.994	-0.102	-0.198	-0.006
I6EE5007	A	0.938	0.849	1.036	-0.064	-0.163	0.036
I6G2003	A	0.896	0.808	0.994	-0.110	-0.214	-0.006
I6G3042	A	1.183	1.082	1.293	0.168	0.079	0.257
I6G2026	A	0.815	0.741	0.896	-0.205	-0.300	-0.110
I6G3024	A	1.074	0.976	1.182	0.072	-0.024	0.167
I6G4019	A	1.073	0.970	1.186	0.070	-0.030	0.171
I6NS1005	A	0.938	0.845	1.042	-0.064	-0.169	0.042
I6NS6020	A	0.948	0.846	1.063	-0.053	-0.167	0.061
I6NS8002	A	1.057	0.941	1.188	0.056	-0.061	0.172
I6NS5005	A	0.977	0.889	1.075	-0.023	-0.118	0.072
I6NS7020	A	0.963	0.881	1.053	-0.037	-0.126	0.052
I6NS6001	A	0.982	0.893	1.080	-0.018	-0.113	0.077
I6RP1022	A	0.842	0.748	0.947	-0.172	-0.290	-0.055
I6RP2001	A	0.929	0.818	1.056	-0.073	-0.201	0.054
I6RP2022	A	0.924	0.835	1.023	-0.079	-0.181	0.022
I6RP1033	A	0.897	0.810	0.993	-0.109	-0.211	-0.007
I6RP1017	A	0.966	0.875	1.066	-0.035	-0.134	0.064
I6SP2030	A	0.873	0.788	0.969	-0.135	-0.239	-0.032
I6SP4003	A	1.275	1.159	1.404	0.243	0.147	0.339
I6SP2005	A	1.096	0.995	1.208	0.092	-0.005	0.189
I6SP2023	A	1.051	0.953	1.160	0.050	-0.048	0.148
I6SP2029	A	1.150	1.043	1.269	0.140	0.042	0.238
60994.	A	0.817	0.721	0.926	-0.202	-0.328	-0.077
60386.	A	1.020	0.918	1.132	0.019	-0.085	0.124
60070.	A	0.954	0.817	1.113	-0.047	-0.202	0.107
60883.	A	0.952	0.853	1.062	-0.050	-0.159	0.060
60726.	A	1.105	0.994	1.228	0.100	-0.006	0.205
I6NS7010	A	0.889	0.774	1.021	-0.118	-0.257	0.021
I6RP2047	A	0.923	0.829	1.029	-0.080	-0.188	0.028
I6NS1019	A	1.009	0.919	1.107	0.008	-0.084	0.101
I6RP3028	A	1.039	0.937	1.152	0.038	-0.065	0.142
I6EE9005	A	0.976	0.889	1.072	-0.024	-0.118	0.070
I7RP2050	A	0.899	0.760	1.064	-0.106	-0.275	0.062
I7RP1003	A	0.896	0.807	0.996	-0.109	-0.214	-0.005
I7NS2041	A	1.303	1.188	1.429	0.265	0.172	0.357
I7NS3003	A	0.758	0.686	0.837	-0.277	-0.376	-0.177
I7RP3006	A	1.198	1.083	1.326	0.181	0.080	0.282
@50661	A	1.009	0.878	1.161	0.009	-0.130	0.149
@5G122	A	1.097	0.971	1.240	0.093	-0.029	0.215
@5G34	A	1.055	0.947	1.175	0.053	-0.055	0.161
@51029	A	0.945	0.833	1.072	-0.057	-0.182	0.069
@5OA322	A	1.058	0.952	1.176	0.057	-0.049	0.163

Table 15: g6winter_ell

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I6EE6014	A	0.944	0.850	1.048	-0.058	-0.162	0.047
I6EE7007	A	0.773	0.699	0.854	-0.258	-0.358	-0.158
I6EE5002	A	1.320	1.202	1.450	0.278	0.184	0.371
I6EE5017	A	1.390	1.264	1.528	0.329	0.234	0.424
I6G2001	A	0.902	0.796	1.021	-0.104	-0.228	0.021
I6G1002	A	0.824	0.753	0.901	-0.194	-0.284	-0.104
I6G4007	A	0.816	0.736	0.904	-0.204	-0.306	-0.101
I6G4023	A	0.999	0.910	1.096	-0.001	-0.094	0.091
I6G3038	A	0.942	0.862	1.029	-0.060	-0.148	0.028
I6NS1005	A	0.754	0.683	0.832	-0.283	-0.382	-0.184
I6NS2017	A	0.934	0.837	1.044	-0.068	-0.178	0.043
I6NS5005	A	0.967	0.878	1.066	-0.033	-0.131	0.064
I6NS4002	A	1.113	1.010	1.227	0.107	0.010	0.204
I6NS7020	A	0.931	0.853	1.017	-0.071	-0.159	0.017
I6NS6001	A	0.872	0.791	0.961	-0.137	-0.234	-0.040
I6RP1059	A	0.966	0.863	1.081	-0.035	-0.148	0.078
I6RP2034	A	0.943	0.840	1.059	-0.058	-0.175	0.058
I6RP2005	A	0.804	0.718	0.901	-0.218	-0.332	-0.104
I6RP1003	A	0.975	0.888	1.071	-0.025	-0.118	0.068
I6SP2034	A	0.903	0.823	0.990	-0.102	-0.195	-0.010
I6SP4003	A	1.235	1.128	1.351	0.211	0.121	0.301
I6SP2002	A	0.983	0.894	1.080	-0.017	-0.112	0.077
I6SP4018	A	0.987	0.901	1.081	-0.013	-0.105	0.078
I6SP2035	A	0.852	0.769	0.942	-0.161	-0.262	-0.059
I6SP3028	A	0.872	0.797	0.955	-0.137	-0.227	-0.046
60546.	A	0.951	0.835	1.082	-0.051	-0.181	0.079
60096.	A	0.940	0.843	1.048	-0.062	-0.171	0.047
60262.	A	1.082	0.974	1.204	0.079	-0.027	0.185
60689.	A	1.039	0.936	1.152	0.038	-0.066	0.142
60999.	A	1.118	1.004	1.245	0.111	0.004	0.219
I6NS2002	A	1.094	0.954	1.255	0.090	-0.047	0.227
I6NS4016	A	1.238	1.118	1.371	0.214	0.111	0.316
I6NS5006	A	0.896	0.811	0.989	-0.110	-0.210	-0.011
I6NS5003	A	0.884	0.802	0.974	-0.124	-0.221	-0.026
I6SP2031	A	0.983	0.893	1.082	-0.017	-0.113	0.079
I7G3022	A	1.112	0.974	1.270	0.106	-0.027	0.239
I7NS2033	A	0.970	0.877	1.073	-0.030	-0.131	0.070
I7SP3002	A	0.982	0.891	1.082	-0.018	-0.115	0.079
I7NS1027	A	0.903	0.812	1.005	-0.102	-0.209	0.005
I7SP6004	A	0.933	0.840	1.035	-0.070	-0.174	0.035
@50192	A	1.002	0.869	1.156	0.002	-0.140	0.145
@50109	A	1.053	0.931	1.192	0.520	-0.072	0.175
@5NBT53	A	0.906	0.779	1.055	-0.098	-0.250	0.054
@5OA229	A	1.206	1.067	1.362	0.187	0.065	0.309
@5NF79	A	1.027	0.926	1.138	0.026	-0.076	0.129

Table 16: g6winter_female

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I6EE6014	A	1.029	0.941	1.125	0.029	-0.061	0.118
I6EE7007	A	1.290	1.183	1.407	0.254	0.168	0.341
I6EE5002	A	1.097	1.014	1.187	0.093	0.014	0.171
I6EE5017	A	1.006	0.929	1.089	0.006	-0.074	0.086
I6G2001	A	1.216	1.090	1.357	0.196	0.086	0.305
I6G1002	A	1.077	0.998	1.162	0.074	-0.002	0.150
I6G4007	A	0.954	0.877	1.039	-0.047	-0.131	0.038
I6G4023	A	0.949	0.878	1.027	-0.052	-0.130	0.026
I6G3038	A	1.083	1.005	1.167	0.080	0.005	0.155
I6NS1005	A	0.895	0.821	0.976	-0.111	-0.197	-0.024
I6NS2017	A	1.345	1.222	1.481	0.297	0.200	0.393
I6NS5005	B	0.650	0.597	0.707	-0.431	-0.515	-0.347
I6NS4002	A	1.076	0.991	1.168	0.073	-0.009	0.155
I6NS7020	A	0.878	0.815	0.946	-0.130	-0.205	-0.055
I6NS6001	A	0.679	0.625	0.736	-0.388	-0.470	-0.306
I6RP1059	A	1.151	1.043	1.269	0.140	0.043	0.238
I6RP2034	A	1.488	1.344	1.647	0.397	0.296	0.499
I6RP2005	A	0.933	0.843	1.031	-0.070	-0.171	0.031
I6RP1003	A	1.147	1.060	1.241	0.137	0.059	0.216
I6SP2034	A	1.072	0.991	1.160	0.070	-0.009	0.148
I6SP4003	A	1.126	1.043	1.215	0.119	0.042	0.195
I6SP2002	A	0.970	0.896	1.051	-0.030	-0.110	0.049
I6SP4018	A	1.263	1.168	1.366	0.234	0.156	0.312
I6SP2035	A	1.024	0.940	1.115	0.024	-0.061	0.109
I6SP3028	A	1.140	1.056	1.231	0.131	0.055	0.207
60546.	A	0.893	0.796	1.001	-0.113	-0.228	0.001
60096.	A	0.739	0.672	0.812	-0.303	-0.398	-0.208
60262.	A	1.194	1.090	1.307	0.177	0.086	0.268
60689.	A	0.851	0.778	0.930	-0.162	-0.251	-0.073
60999.	A	1.075	0.981	1.177	0.072	-0.019	0.163
I6NS2002	A	1.335	1.184	1.506	0.289	0.169	0.409
I6NS4016	A	1.175	1.077	1.282	0.161	0.074	0.249
I6NS5006	A	0.680	0.624	0.741	-0.386	-0.472	-0.300
I6NS5003	A	0.755	0.696	0.820	-0.281	-0.363	-0.198
I6SP2031	A	1.112	1.026	1.206	0.106	0.025	0.187
I7G3022	A	1.044	0.931	1.170	0.043	-0.071	0.157
I7NS2033	A	1.132	1.038	1.234	0.124	0.037	0.210
I7SP3002	A	1.076	0.990	1.169	0.073	-0.010	0.156
I7NS1027	A	0.860	0.786	0.940	-0.151	-0.241	-0.062
I7SP6004	B	0.614	0.561	0.671	-0.488	-0.577	-0.398
@50192	A	1.434	1.264	1.628	0.361	0.234	0.487
@50109	A	1.392	1.249	1.551	0.331	0.222	0.439
@5NBT53	A	1.155	1.007	1.325	0.144	0.007	0.281
@5OA229	A	1.333	1.202	1.478	0.287	0.184	0.391
@5NF79	A	0.979	0.896	1.070	-0.021	-0.109	0.068

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I6EE6014	A	1.009	0.918	1.109	0.009	-0.086	0.103
I6EE7007	A	0.852	0.779	0.933	-0.160	-0.250	-0.069
I6EE5002	A	1.215	1.118	1.321	0.195	0.112	0.278
I6EE5017	A	1.243	1.142	1.352	0.217	0.133	0.302
I6G2001	A	0.984	0.878	1.103	-0.016	-0.130	0.098
I6G1002	A	0.847	0.782	0.918	-0.166	-0.246	-0.086
I6G4007	A	0.797	0.728	0.873	-0.227	-0.317	-0.136
I6G4023	A	1.046	0.963	1.136	0.045	-0.037	0.128
I6G3038	A	1.008	0.932	1.091	0.008	-0.071	0.087
I6NS1005	A	0.842	0.769	0.921	-0.172	-0.263	-0.082
I6NS2017	A	1.119	1.012	1.238	0.113	0.012	0.214
I6NS5005	A	0.983	0.901	1.073	-0.017	-0.105	0.071
I6NS4002	A	1.167	1.069	1.273	0.154	0.067	0.241
I6NS7020	A	1.004	0.929	1.086	0.004	-0.074	0.083
I6NS6001	A	0.950	0.872	1.035	-0.051	-0.137	0.035
I6RP1059	A	1.001	0.903	1.109	0.001	-0.102	0.103
I6RP2034	A	1.108	0.996	1.233	0.103	-0.004	0.210
I6RP2005	A	0.853	0.768	0.947	-0.159	-0.264	-0.054
I6RP1003	A	1.008	0.928	1.096	0.008	-0.075	0.091
I6SP2034	A	0.834	0.768	0.907	-0.181	-0.264	-0.098
I6SP4003	A	1.301	1.200	1.411	0.263	0.183	0.344
I6SP2002	A	1.016	0.933	1.105	0.015	-0.069	0.100
I6SP4018	A	0.933	0.860	1.013	-0.069	-0.151	0.013
I6SP2035	A	0.875	0.800	0.957	-0.133	-0.233	-0.044
I6SP3028	A	0.927	0.855	1.005	-0.076	-0.157	0.005
60546.	A	1.086	0.963	1.225	0.083	-0.037	0.203
60096.	A	1.014	0.918	1.120	0.014	-0.086	0.113
60262.	A	1.175	1.068	1.294	0.162	0.066	0.258
60689.	A	0.986	0.898	1.083	-0.014	-0.108	0.080
60999.	A	1.056	0.958	1.163	0.054	-0.042	0.151
I6NS2002	A	1.185	1.044	1.344	0.170	0.043	0.296
I6NS4016	A	1.270	1.157	1.393	0.239	0.146	0.331
I6NS5006	A	0.878	0.802	0.961	-0.130	-0.220	-0.040
I6NS5003	A	0.923	0.846	1.007	-0.080	-0.167	0.007
I6SP2031	A	0.951	0.873	1.036	-0.050	-0.136	0.035
I7G3022	A	1.017	0.902	1.145	0.016	-0.103	0.136
I7NS2033	A	0.976	0.891	1.069	-0.024	-0.115	0.066
I7SP3002	A	0.936	0.857	1.021	-0.066	-0.154	0.021
I7NS1027	A	0.891	0.811	0.980	-0.115	-0.210	-0.021
I7SP6004	A	0.865	0.788	0.950	-0.145	-0.239	-0.052
@50192	A	1.018	0.892	1.162	0.018	-0.114	0.150
@50109	A	1.048	0.937	1.173	0.047	-0.065	0.160
@5NBT53	A	1.070	0.927	1.234	0.067	-0.076	0.210
@5OA229	A	1.114	0.999	1.243	0.108	-0.001	0.217
@5NF79	A	1.085	0.988	1.192	0.082	-0.012	0.176

Table 18: g6winter_nonwhite

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I6EE6014	A	1.011	0.924	1.107	0.011	-0.080	0.102
I6EE7007	A	0.801	0.733	0.874	-0.222	-0.310	-0.135
I6EE5002	A	1.227	1.133	1.328	0.204	0.125	0.284
I6EE5017	A	1.146	1.057	1.242	0.136	0.055	0.217
I6G2001	A	0.932	0.834	1.042	-0.070	-0.181	0.041
I6G1002	A	0.955	0.884	1.031	-0.046	-0.123	0.031
I6G4007	A	0.770	0.707	0.839	-0.261	-0.347	-0.175
I6G4023	A	0.948	0.876	1.027	-0.053	-0.133	0.026
I6G3038	A	1.031	0.956	1.113	0.031	-0.045	0.107
I6NS1005	A	0.729	0.668	0.796	-0.316	-0.404	-0.228
I6NS2017	A	1.056	0.959	1.164	0.055	-0.042	0.152
I6NS5005	A	0.864	0.794	0.941	-0.146	-0.231	-0.061
I6NS4002	A	1.171	1.077	1.273	0.158	0.074	0.241
I6NS7020	A	1.003	0.930	1.082	0.003	-0.072	0.079
I6NS6001	A	0.989	0.911	1.074	-0.011	-0.093	0.071
I6RP1059	A	1.029	0.932	1.135	0.028	-0.071	0.127
I6RP2034	A	1.056	0.954	1.170	0.055	-0.048	0.157
I6RP2005	A	0.768	0.693	0.851	-0.264	-0.366	-0.161
I6RP1003	A	1.220	1.126	1.321	0.199	0.119	0.278
I6SP2034	A	1.004	0.927	1.088	0.004	-0.076	0.084
I6SP4003	A	1.196	1.107	1.292	0.179	0.101	0.256
I6SP2002	A	0.997	0.919	1.081	-0.003	-0.085	0.078
I6SP4018	A	0.962	0.889	1.041	-0.039	-0.117	0.040
I6SP2035	A	0.952	0.873	1.037	-0.049	-0.136	0.037
I6SP3028	A	0.880	0.814	0.950	-0.128	-0.206	-0.051
60546.	A	0.814	0.725	0.914	-0.206	-0.322	-0.090
60096.	A	0.930	0.845	1.024	-0.072	-0.168	0.023
60262.	A	1.130	1.030	1.239	0.122	0.030	0.214
60689.	A	1.008	0.921	1.103	0.008	-0.082	0.098
60999.	A	1.119	1.020	1.227	0.112	0.019	0.205
I6NS2002	A	1.194	1.058	1.348	0.178	0.057	0.299
I6NS4016	A	1.158	1.060	1.266	0.147	0.058	0.236
I6NS5006	A	0.849	0.778	0.926	-0.164	-0.251	-0.077
I6NS5003	A	0.979	0.900	1.064	-0.022	-0.105	0.062
I6SP2031	A	1.063	0.979	1.154	0.061	-0.021	0.143
I7G3022	A	1.001	0.893	1.123	0.001	-0.113	0.116
I7NS2033	A	1.040	0.952	1.135	0.039	-0.049	0.126
I7SP3002	A	0.943	0.867	1.026	-0.059	-0.143	0.026
I7NS1027	A	0.891	0.813	0.975	-0.116	-0.207	-0.025
I7SP6004	A	0.862	0.788	0.943	-0.149	-0.239	-0.059
@50192	A	0.924	0.814	1.049	-0.079	-0.206	0.048
@50109	A	0.969	0.869	1.080	-0.032	-0.141	0.077
@5NBT53	A	0.984	0.856	1.130	-0.017	-0.155	0.122
@5OA229	A	1.163	1.047	1.292	0.151	0.046	0.256
@5NF79	A	1.012	0.925	1.107	0.012	-0.078	0.102

Table 19: g6winter_sped

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I6EE6014	A	0.777	0.705	0.856	-0.252	-0.350	-0.155
I6EE7007	A	0.755	0.688	0.830	-0.281	-0.374	-0.187
I6EE5002	A	1.309	1.198	1.430	0.269	0.180	0.358
I6EE5017	A	1.282	1.172	1.403	0.249	0.159	0.338
I6G2001	A	0.715	0.638	0.802	-0.335	-0.450	-0.220
I6G1002	A	0.844	0.776	0.919	-0.169	-0.254	-0.084
I6G4007	A	0.901	0.819	0.992	-0.104	-0.200	-0.009
I6G4023	A	0.902	0.825	0.985	-0.103	-0.192	-0.015
I6G3038	A	0.897	0.825	0.979	-0.108	-0.192	-0.024
I6NS1005	A	0.810	0.738	0.890	-0.210	-0.304	-0.116
I6NS2017	A	0.773	0.698	0.857	-0.257	-0.359	-0.154
I6NS5005	A	1.006	0.917	1.104	0.006	-0.086	0.099
I6NS4002	A	1.034	0.944	1.133	0.033	-0.058	0.125
I6NS7020	A	0.931	0.857	1.012	-0.071	-0.155	0.012
I6NS6001	A	0.885	0.807	0.970	-0.122	-0.214	-0.030
I6RP1059	A	1.021	0.917	1.137	0.021	-0.086	0.129
I6RP2034	A	0.842	0.755	0.938	-0.172	-0.281	-0.064
I6RP2005	A	0.780	0.701	0.867	-0.249	-0.356	-0.142
I6RP1003	A	0.970	0.888	1.060	-0.030	-0.118	0.058
I6SP2034	A	0.935	0.856	1.020	-0.068	-0.155	0.020
I6SP4003	A	1.115	1.023	1.215	0.109	0.023	0.194
I6SP2002	A	1.020	0.933	1.115	0.020	-0.069	0.109
I6SP4018	A	1.021	0.936	1.114	0.021	-0.066	0.108
I6SP2035	A	0.897	0.814	0.989	-0.108	-0.205	-0.011
I6SP3028	A	1.022	0.938	1.113	0.022	-0.064	0.107
60546.	A	0.811	0.719	0.915	-0.209	-0.330	-0.088
60096.	A	0.983	0.887	1.089	-0.017	-0.120	0.086
60262.	A	1.077	0.974	1.192	0.075	-0.026	0.176
60689.	A	1.082	0.980	1.194	0.078	-0.021	0.177
60999.	A	1.001	0.904	1.109	0.001	-0.101	0.103
I6NS2002	A	0.944	0.830	1.072	-0.058	-0.186	0.070
I6NS4016	A	1.131	1.025	1.248	0.123	0.025	0.222
I6NS5006	A	1.065	0.968	1.172	0.063	-0.033	0.159
I6NS5003	A	0.851	0.775	0.934	-0.161	-0.255	-0.068
I6SP2031	A	1.049	0.957	1.150	0.048	-0.044	0.140
I7G3022	A	0.912	0.807	1.032	-0.092	-0.214	0.031
I7NS2033	A	0.975	0.886	1.073	-0.025	-0.121	0.070
I7SP3002	A	0.981	0.895	1.076	-0.019	-0.111	0.074
I7NS1027	A	0.892	0.805	0.988	-0.115	-0.217	-0.012
I7SP6004	A	1.070	0.970	1.182	0.068	-0.031	0.167
@50192	A	0.918	0.804	1.049	-0.085	-0.219	0.048
@50109	A	0.978	0.870	1.099	-0.022	-0.139	0.095
@5NBT53	A	0.800	0.694	0.922	-0.223	-0.366	-0.081
@5OA229	A	1.112	0.992	1.246	0.106	-0.008	0.220
@5NF79	A	1.019	0.924	1.124	0.019	-0.079	0.117

Table 20: g7fall_ell

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I7EE1019	A	1.214	1.113	1.325	0.194	0.107	0.281
I7EE3003	A	0.943	0.863	1.030	-0.059	-0.148	0.029
I7EE2038	A	0.964	0.885	1.051	-0.036	-0.122	0.050
I7EE1008	A	1.028	0.930	1.137	0.028	-0.073	0.128
I7EE2007	A	0.868	0.788	0.957	-0.141	-0.238	-0.044
I7G1002	A	1.080	0.954	1.223	0.077	-0.047	0.201
I7G2021	A	0.945	0.840	1.062	-0.057	-0.174	0.060
I7G2024	A	1.110	1.014	1.217	0.105	0.013	0.196
I7G6019	A	1.103	1.008	1.207	0.098	0.008	0.189
I7G2016	A	0.997	0.915	1.086	-0.003	-0.089	0.083
I7G5030	A	1.193	1.092	1.303	0.176	0.088	0.265
I7G6022	A	1.078	0.987	1.178	0.076	-0.013	0.164
I7NS1041	A	0.913	0.827	1.008	-0.091	-0.190	0.008
I7NS3039	A	0.976	0.865	1.102	-0.024	-0.145	0.097
I7NS2010	A	1.424	1.302	1.557	0.353	0.264	0.443
I7NS1060	A	0.903	0.823	0.991	-0.102	-0.195	-0.009
I7NS1005	A	0.852	0.777	0.933	-0.160	-0.252	-0.069
I7RP2056	A	1.071	0.978	1.172	0.068	-0.022	0.159
I7RP2054	A	1.012	0.924	1.109	0.012	-0.079	0.104
I7RP3042	A	0.858	0.784	0.938	-0.153	-0.243	-0.064
I7RP3013	A	0.877	0.798	0.964	-0.131	-0.226	-0.036
I7RP1030	A	0.846	0.773	0.927	-0.167	-0.258	-0.076
I7SP6014	A	0.895	0.815	0.984	-0.110	-0.204	-0.017
I7SP4008	A	1.198	1.095	1.312	0.181	0.090	0.272
I7SP2002	A	0.833	0.760	0.914	-0.182	-0.274	-0.090
70310.	A	0.882	0.798	0.976	-0.125	-0.226	-0.024
70814.	A	0.943	0.854	1.042	-0.059	-0.158	0.041
70375.	A	0.936	0.854	1.027	-0.066	-0.158	0.026
70952.	A	1.138	1.036	1.250	0.130	0.036	0.223
70493.	A	1.007	0.922	1.099	0.007	-0.081	0.094
I7G3019	A	1.033	0.896	1.191	0.032	-0.110	0.175
I7RP2003	A	0.963	0.860	1.078	-0.038	-0.151	0.075
I7RP2005	A	0.901	0.820	0.990	-0.104	-0.198	-0.010
I7NS3059	A	0.947	0.863	1.038	-0.055	-0.147	0.037
I7RP1047	A	0.896	0.813	0.987	-0.110	-0.207	-0.013
I8SP4012	A	0.988	0.896	1.090	-0.012	-0.110	0.086
I8SP1010	A	0.983	0.886	1.089	-0.018	-0.121	0.086
I8F2012	A	1.019	0.922	1.127	0.019	-0.082	0.120
I8F3006	A	1.095	1.000	1.199	0.091	0.000	0.182
I8NS1056	A	0.701	0.624	0.788	-0.355	-0.472	-0.238
I6NS7011	A	0.940	0.832	1.063	-0.062	-0.184	0.061
I6NS5015	A	0.977	0.886	1.076	-0.024	-0.121	0.073
I6NS5006	A	0.906	0.822	1.000	-0.098	-0.196	0.000
I6RP1023	A	1.062	0.970	1.163	0.060	-0.030	0.151
I6EE2010	A	1.071	0.972	1.180	0.068	-0.029	0.165

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I7EE1019	A	0.927	0.861	0.9990	-0.075	-0.149	-0.001
I7EE3003	A	0.762	0.706	0.8220	-0.272	-0.348	-0.196
I7EE2038	A	0.886	0.823	0.9540	-0.121	-0.195	-0.048
I7EE1008	A	0.858	0.786	0.9360	-0.154	-0.241	-0.067
I7EE2007	A	0.831	0.766	0.9020	-0.185	-0.267	-0.103
I7G1002	A	1.114	1.002	0.1237	0.108	0.002	0.213
I7G2021	A	1.019	0.922	1.1270	0.019	-0.081	0.119
I7G2024	A	0.925	0.856	1.0000	-0.078	-0.155	0.000
I7G6019	A	1.047	0.970	0.1310	0.046	-0.031	0.123
I7G2016	A	1.036	0.963	1.1160	0.036	-0.038	0.109
I7G5030	A	1.210	1.122	1.3060	0.191	0.115	0.267
I7G6022	A	1.095	1.015	1.1820	0.091	0.015	0.167
I7NS1041	A	1.073	0.987	1.1680	0.071	-0.013	0.155
I7NS3039	B	1.754	1.578	1.9510	0.562	0.456	0.668
I7NS2010	A	1.040	0.962	1.1240	0.039	-0.039	0.117
I7NS1060	A	1.055	0.974	1.1420	0.053	-0.026	0.132
I7NS1005	A	0.929	0.860	1.0040	-0.074	-0.151	0.004
I7RP2056	A	1.010	0.936	1.0900	0.010	-0.067	0.087
I7RP2054	A	1.324	1.225	1.4320	0.281	0.203	0.359
I7RP3042	A	0.885	0.820	0.9550	-0.123	-0.199	-0.046
I7RP3013	A	0.749	0.691	0.8120	-0.289	-0.369	-0.208
I7RP1030	A	0.963	0.891	1.0410	-0.038	-0.115	0.040
I7SP6014	A	0.971	0.896	1.0530	-0.029	-0.109	0.051
I7SP4008	A	1.454	1.346	1.5710	0.375	0.297	0.452
I7SP2002	A	0.933	0.862	1.0080	-0.070	-0.148	0.008
70310.	A	0.932	0.854	1.0160	-0.071	-0.157	0.016
70814.	A	1.174	1.078	1.2780	0.160	0.075	0.245
70375.	A	1.131	1.045	1.2240	0.123	0.044	0.202
70952.	A	1.138	1.051	1.2330	0.129	0.050	0.209
70493.	A	1.009	0.936	1.0870	0.009	-0.066	0.084
I7G3019	A	1.175	1.040	1.3270	0.161	0.039	0.283
I7RP2003	A	1.427	1.294	1.5740	0.356	0.258	0.453
I7RP2005	A	0.969	0.894	1.0500	-0.032	-0.112	0.049
I7NS3059	A	1.028	0.950	1.1120	0.028	-0.051	0.106
I7RP1047	A	0.972	0.895	1.0560	-0.028	-0.111	0.054
I8SP4012	A	1.138	1.047	1.2380	0.130	0.046	0.214
I8SP1010	A	1.116	1.021	1.2190	0.110	0.021	0.198
I8F2012	A	0.968	0.888	1.0550	-0.032	-0.118	0.054
I8F3006	A	0.965	0.892	1.0440	-0.035	-0.114	0.043
I8NS1056	B	0.648	0.588	0.7160	-0.433	-0.531	-0.335
I6NS7011	A	0.999	0.899	1.1110	-0.001	-0.106	0.105
I6NS5015	A	0.664	0.610	0.7220	-0.410	-0.494	-0.326
I6NS5006	B	0.644	0.592	0.7010	-0.440	-0.525	-0.355
I6RP1023	A	1.210	1.119	1.3070	0.190	0.113	0.268
I6EE2010	A	0.991	0.911	1.0780	-0.009	-0.093	0.075

Table 22: g7fall_hispanic

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I7EE1019	A	1.018	0.941	1.101	0.018	-0.061	0.097
I7EE3003	A	0.940	0.867	1.019	-0.062	-0.142	0.019
I7EE2038	A	0.991	0.916	1.072	-0.009	-0.088	0.069
I7EE1008	A	1.017	0.927	1.115	0.017	-0.075	0.109
I7EE2007	A	0.926	0.849	1.010	-0.077	-0.164	0.010
I7G1002	A	1.012	0.905	1.131	0.012	-0.099	0.123
I7G2021	A	0.925	0.831	1.029	-0.078	-0.185	0.028
I7G2024	A	0.914	0.841	0.993	-0.090	-0.173	-0.007
I7G6019	A	1.262	1.162	1.371	0.233	0.150	0.316
I7G2016	A	0.975	0.902	1.055	-0.025	-0.104	0.054
I7G5030	A	1.099	1.013	1.192	0.094	0.013	0.175
I7G6022	A	1.109	1.023	1.202	0.103	0.023	0.184
I7NS1041	A	0.967	0.884	1.057	-0.034	-0.123	0.056
I7NS3039	A	1.188	1.063	1.329	0.173	0.061	0.284
I7NS2010	A	1.430	1.316	1.553	0.357	0.274	0.440
I7NS1060	A	1.032	0.948	1.123	0.032	-0.053	0.116
I7NS1005	A	0.999	0.920	1.085	-0.001	-0.084	0.082
I7RP2056	A	0.904	0.833	0.981	-0.101	-0.183	-0.019
I7RP2054	A	1.170	1.076	1.272	0.157	0.073	0.240
I7RP3042	A	0.930	0.857	1.010	-0.072	-0.154	0.010
I7RP3013	A	0.906	0.831	0.988	-0.099	-0.185	-0.012
I7RP1030	A	0.928	0.854	1.008	-0.075	-0.158	0.008
I7SP6014	A	0.937	0.860	1.021	-0.065	-0.151	0.021
I7SP4008	A	1.087	1.001	1.180	0.083	0.001	0.165
I7SP2002	A	0.903	0.831	0.982	-0.102	-0.185	-0.018
70310.	A	0.954	0.870	1.046	-0.047	-0.140	0.045
70814.	A	0.933	0.852	1.021	-0.070	-0.160	0.021
70375.	A	0.946	0.870	1.029	-0.055	-0.140	0.029
70952.	A	1.112	1.021	1.211	0.106	0.021	0.191
70493.	A	0.930	0.858	1.007	-0.073	-0.153	0.007
I7G3019	A	1.072	0.941	1.221	0.070	-0.061	0.200
I7RP2003	A	0.972	0.876	1.077	-0.029	-0.132	0.074
I7RP2005	A	1.016	0.932	1.107	0.015	-0.071	0.102
I7NS3059	A	0.975	0.896	1.061	-0.025	-0.110	0.059
I7RP1047	A	0.889	0.814	0.971	-0.118	-0.206	-0.029
I8SP4012	A	0.988	0.903	1.080	-0.012	-0.102	0.077
I8SP1010	A	1.011	0.920	1.112	0.011	-0.083	0.106
I8F2012	A	0.831	0.758	0.911	-0.185	-0.277	-0.093
I8F3006	A	1.070	0.984	1.164	0.068	-0.016	0.151
I8NS1056	A	0.897	0.808	0.995	-0.109	-0.214	-0.005
I6NS7011	A	1.015	0.907	1.137	0.015	-0.098	0.128
I6NS5015	A	1.004	0.919	1.097	0.004	-0.085	0.093
I6NS5006	A	0.946	0.865	1.035	-0.055	-0.145	0.034
I6RP1023	A	0.927	0.853	1.007	-0.076	-0.159	0.007
I6EE2010	A	0.910	0.832	0.996	-0.094	-0.184	-0.004

Table 23: g7fall_nonwhite

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I7EE1019	A	1.068	0.990	1.152	0.065	-0.010	0.141
I7EE3003	A	0.970	0.898	1.048	-0.031	-0.108	0.047
I7EE2038	A	0.998	0.926	1.076	-0.002	-0.077	0.073
I7EE1008	A	1.007	0.922	1.101	0.007	-0.081	0.096
I7EE2007	A	0.910	0.837	0.990	-0.094	-0.178	-0.010
I7G1002	A	0.958	0.860	1.066	-0.043	-0.151	0.064
I7G2021	A	0.915	0.826	1.013	-0.089	-0.192	0.013
I7G2024	A	1.090	1.007	1.180	0.086	0.007	0.166
I7G6019	A	1.096	1.013	1.186	0.091	0.012	0.170
I7G2016	A	0.967	0.897	1.042	-0.034	-0.109	0.042
I7G5030	A	1.131	1.047	1.223	0.123	0.046	0.201
I7G6022	A	1.121	1.038	1.212	0.114	0.037	0.192
I7NS1041	A	0.970	0.890	1.058	-0.030	-0.116	0.056
I7NS3039	A	0.977	0.879	1.087	-0.023	-0.129	0.083
I7NS2010	A	1.384	1.278	1.499	0.325	0.245	0.405
I7NS1060	A	1.046	0.965	1.134	0.045	-0.036	0.126
I7NS1005	A	0.938	0.867	1.016	-0.064	-0.143	0.016
I7RP2056	A	0.952	0.880	1.030	-0.049	-0.128	0.029
I7RP2054	A	1.131	1.044	1.225	0.123	0.043	0.203
I7RP3042	A	0.850	0.786	0.919	-0.162	-0.241	-0.084
I7RP3013	A	0.943	0.868	1.024	-0.059	-0.141	0.024
I7RP1030	A	0.921	0.850	0.997	-0.083	-0.162	-0.003
I7SP6014	A	0.910	0.839	0.988	-0.094	-0.176	-0.012
I7SP4008	A	1.135	1.049	1.228	0.126	0.048	0.205
I7SP2002	A	0.932	0.860	1.010	-0.070	-0.150	0.010
70310.	A	0.850	0.778	0.929	-0.162	-0.251	-0.073
70814.	A	0.971	0.890	1.060	-0.029	-0.117	0.058
70375.	A	0.907	0.837	0.983	-0.098	-0.178	-0.017
70952.	A	1.113	1.026	1.208	0.107	0.025	0.189
70493.	A	1.028	0.952	1.110	0.028	-0.049	0.105
I7G3019	A	1.000	0.883	1.132	0.000	-0.124	0.124
I7RP2003	A	0.892	0.808	0.986	-0.114	-0.213	-0.014
I7RP2005	A	0.960	0.884	1.043	-0.041	-0.123	0.042
I7NS3059	A	0.964	0.890	1.046	-0.036	-0.117	0.045
I7RP1047	A	0.956	0.879	1.041	-0.045	-0.129	0.040
I8SP4012	A	1.016	0.932	1.108	0.016	-0.070	0.102
I8SP1010	A	1.063	0.971	1.164	0.061	-0.030	0.152
I8F2012	A	0.891	0.816	0.973	-0.115	-0.204	-0.027
I8F3006	A	0.982	0.907	1.065	-0.018	-0.098	0.063
I8NS1056	A	0.823	0.745	0.909	-0.195	-0.294	-0.095
I6NS7011	A	1.134	1.016	1.266	0.126	0.016	0.236
I6NS5015	A	0.948	0.870	1.032	-0.054	-0.139	0.032
I6NS5006	A	0.933	0.856	1.016	-0.070	-0.156	0.016
I6RP1023	A	1.049	0.969	1.136	0.048	-0.032	0.127
I6EE2010	A	0.990	0.909	1.079	-0.010	-0.095	0.076

Table 24: g7fall_sped

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I7EE1019	A	1.140	1.051	1.236	0.131	0.050	0.212
I7EE3003	A	0.913	0.841	0.992	-0.091	-0.173	-0.009
I7EE2038	A	1.048	0.967	1.135	0.046	-0.034	0.127
I7EE1008	A	1.035	0.942	1.137	0.034	-0.060	0.129
I7EE2007	A	0.939	0.858	1.027	-0.063	-0.153	0.027
I7G1002	A	0.866	0.775	0.968	-0.144	-0.254	-0.033
I7G2021	A	0.836	0.752	0.929	-0.179	-0.284	-0.073
I7G2024	A	1.034	0.950	1.125	0.033	-0.051	0.118
I7G6019	A	0.950	0.874	1.034	-0.051	-0.135	0.033
I7G2016	A	1.020	0.942	1.106	0.020	-0.060	0.100
I7G5030	A	1.075	0.989	1.168	0.072	-0.011	0.155
I7G6022	A	1.096	1.009	1.191	0.092	0.009	0.175
I7NS1041	A	0.832	0.759	0.911	-0.184	-0.275	-0.094
I7NS3039	A	0.788	0.707	0.879	-0.238	-0.347	-0.129
I7NS2010	A	1.341	1.232	1.459	0.293	0.208	0.378
I7NS1060	A	0.899	0.824	0.980	-0.107	-0.194	-0.020
I7NS1005	A	0.896	0.823	0.976	-0.110	-0.195	-0.025
I7RP2056	A	0.981	0.902	1.067	-0.019	-0.103	0.065
I7RP2054	A	0.942	0.865	1.026	-0.059	-0.145	0.026
I7RP3042	A	0.888	0.816	0.965	-0.119	-0.203	-0.035
I7RP3013	A	0.918	0.840	1.003	-0.086	-0.175	0.003
I7RP1030	A	0.871	0.800	0.949	-0.138	-0.223	-0.053
I7SP6014	A	0.967	0.886	1.055	-0.034	-0.121	0.053
I7SP4008	A	1.103	1.014	1.201	0.098	0.014	0.183
I7SP2002	A	0.871	0.800	0.949	-0.138	-0.224	-0.052
70310.	A	0.830	0.756	0.911	-0.186	-0.280	-0.093
70814.	A	0.962	0.877	1.055	-0.039	-0.131	0.053
70375.	A	0.982	0.901	1.070	-0.018	-0.104	0.068
70952.	A	1.151	1.054	1.257	0.141	0.053	0.228
70493.	A	1.065	0.981	1.157	0.063	-0.019	0.146
I7G3019	A	0.855	0.752	0.972	-0.157	-0.285	-0.029
I7RP2003	A	0.815	0.735	0.904	-0.204	-0.307	-0.101
I7RP2005	A	0.938	0.859	1.024	-0.064	-0.152	0.023
I7NS3059	A	0.939	0.862	1.024	-0.062	-0.149	0.024
I7RP1047	A	0.941	0.859	1.031	-0.060	-0.152	0.031
I8SP4012	A	0.994	0.907	1.090	-0.006	-0.097	0.086
I8SP1010	A	0.927	0.842	1.020	-0.076	-0.172	0.020
I8F2012	A	1.008	0.918	1.108	0.008	-0.086	0.102
I8F3006	A	1.090	1.001	1.188	0.086	0.001	0.172
I8NS1056	A	0.841	0.754	0.937	-0.173	-0.282	-0.065
I6NS7011	A	0.830	0.743	0.929	-0.186	-0.298	-0.074
I6NS5015	A	1.000	0.914	1.095	0.000	-0.090	0.091
I6NS5006	A	0.914	0.834	1.002	-0.090	-0.181	0.002
I6RP1023	A	1.080	0.992	1.176	0.077	-0.009	0.162
I6EE2010	A	1.190	1.085	1.304	0.174	0.082	0.266

Table 25: g7spring_ell

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I7EE4021	A	1.093	0.971	1.231	0.089	-0.030	0.208
I7EE3034	A	0.860	0.777	0.953	-0.151	-0.253	-0.048
I7EE3019	A	0.924	0.828	1.030	-0.080	-0.189	0.029
I7G1005	A	1.043	0.927	1.175	0.043	-0.076	0.161
I7G2012	A	0.970	0.876	1.073	-0.031	-0.132	0.070
I7G2008	A	1.044	0.944	1.154	0.043	-0.057	0.143
I7G5001	A	1.061	0.964	1.167	0.059	-0.037	0.155
I7G2009	A	1.120	1.005	1.249	0.114	0.005	0.222
I7NS2021	A	1.110	0.982	1.256	0.105	-0.018	0.228
I7NS2044	A	1.214	1.071	1.376	0.194	0.068	0.319
I7NS2018	A	1.050	0.941	1.172	0.049	-0.061	0.158
I7NS2017	A	1.011	0.910	1.122	0.011	-0.094	0.115
I7NS2048	A	0.988	0.884	1.104	-0.012	-0.123	0.099
I7RP3026	A	0.934	0.836	1.044	-0.068	-0.179	0.043
I7RP1004	A	0.927	0.834	1.030	-0.076	-0.182	0.030
I7RP3008	A	1.028	0.923	1.144	0.027	-0.080	0.135
I7RP1015	A	0.950	0.855	1.055	-0.052	-0.157	0.054
I7RP2048	A	1.006	0.902	1.120	0.005	-0.103	0.114
I7RP1049	A	0.967	0.870	1.074	-0.034	-0.139	0.071
I7SP5019	A	0.869	0.759	0.994	-0.141	-0.276	-0.006
I7SP4011	A	1.051	0.930	1.188	0.050	-0.073	0.172
I7SP4018	A	1.114	0.998	1.244	0.108	-0.002	0.218
I7SP1014	A	0.947	0.849	1.056	-0.055	-0.164	0.054
I7SP2019	A	0.989	0.886	1.104	-0.011	-0.121	0.099
I7SP7014	A	0.899	0.808	1.000	-0.107	-0.213	0.000
70315.	A	0.915	0.797	1.050	-0.089	-0.227	0.049
70457.	A	0.998	0.883	1.128	-0.002	-0.124	0.120
70789.	A	0.908	0.812	1.015	-0.096	-0.208	0.015
70238.	A	0.998	0.889	1.120	-0.002	-0.117	0.114
70089.	A	0.935	0.838	1.044	-0.067	-0.176	0.043
I7RP2050	A	0.851	0.708	1.024	-0.161	-0.346	0.024
I7RP1003	A	0.812	0.720	0.915	-0.208	-0.328	-0.089
I7NS2041	A	1.168	1.022	1.334	0.155	0.022	0.288
I7NS3003	A	0.840	0.754	0.935	-0.175	-0.282	-0.067
I7RP3006	A	1.086	0.975	1.209	0.082	-0.025	0.190
I8G5003	A	1.185	1.059	1.326	0.170	0.058	0.282
I8G4010	A	0.983	0.879	1.099	-0.018	-0.129	0.094
I8NS2020	A	1.068	0.961	1.186	0.065	-0.040	0.171
I8NS2090	A	1.132	1.016	1.260	0.124	0.016	0.231
I8SP3030	A	0.929	0.818	1.055	-0.074	-0.200	0.053
I6NS7010	A	1.093	0.940	1.271	0.089	-0.062	0.240
I6RP2047	A	0.866	0.767	0.977	-0.144	-0.265	-0.023
I6NS1019	A	0.868	0.782	0.963	-0.142	-0.246	-0.038
I6RP3028	A	0.917	0.814	1.032	-0.087	-0.206	0.032
I6EE9005	A	1.023	0.921	1.137	0.023	-0.082	0.128

Table 26: g7spring_female

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I7EE4021	A	1.234	1.111	1.371	0.210	0.106	0.315
I7EE3034	A	0.883	0.806	0.967	-0.125	-0.216	-0.034
I7EE3019	A	0.916	0.832	1.009	-0.087	-0.184	0.009
I7G1005	A	0.891	0.802	0.990	-0.115	-0.220	-0.010
I7G2012	A	1.015	0.928	1.110	0.015	-0.075	0.104
I7G2008	A	1.011	0.925	1.105	0.011	-0.077	0.099
I7G5001	A	1.133	1.041	1.232	0.124	0.040	0.209
I7G2009	A	0.938	0.852	1.032	-0.064	-0.160	0.031
I7NS2021	A	1.169	1.049	1.303	0.156	0.048	0.265
I7NS2044	A	1.075	0.963	1.199	0.072	-0.037	0.182
I7NS2018	A	1.073	0.974	1.182	0.071	-0.026	0.167
I7NS2017	A	1.016	0.926	1.116	0.016	-0.077	0.109
I7NS2048	A	1.243	1.126	1.372	0.217	0.118	0.316
I7RP3026	A	0.884	0.801	0.977	-0.123	-0.222	-0.023
I7RP1004	A	0.885	0.806	0.972	-0.122	-0.216	-0.028
I7RP3008	A	0.765	0.695	0.842	-0.268	-0.364	-0.172
I7RP1015	A	1.056	0.961	1.159	0.054	-0.039	0.148
I7RP2048	A	0.983	0.893	1.081	-0.017	-0.113	0.078
I7RP1049	A	1.070	0.975	1.174	0.067	-0.026	0.161
I7SP5019	A	1.059	0.938	1.196	0.058	-0.064	0.179
I7SP4011	A	1.266	1.135	1.411	0.236	0.127	0.344
I7SP4018	A	1.293	1.174	1.424	0.257	0.161	0.354
I7SP1014	A	0.958	0.870	1.056	-0.043	-0.140	0.054
I7SP2019	A	0.944	0.856	1.040	-0.058	-0.156	0.040
I7SP7014	A	0.715	0.650	0.785	-0.336	-0.430	-0.242
70315.	A	0.830	0.732	0.940	-0.187	-0.312	-0.062
70457.	A	0.710	0.637	0.792	-0.342	-0.451	-0.233
70789.	A	1.101	0.997	1.216	0.096	-0.003	0.196
70238.	A	1.405	1.268	1.557	0.340	0.237	0.443
70089.	A	1.432	1.297	1.581	0.359	0.260	0.458
I7RP2050	B	1.851	1.551	2.210	0.616	0.439	0.793
I7RP1003	A	0.767	0.689	0.853	-0.265	-0.372	-0.159
I7NS2041	A	1.281	1.139	1.442	0.248	0.130	0.366
I7NS3003	A	1.014	0.922	1.114	0.013	-0.081	0.108
I7RP3006	A	0.708	0.644	0.779	-0.345	-0.440	-0.250
I8G5003	A	1.020	0.924	1.126	0.020	-0.079	0.119
I8G4010	A	1.347	1.218	1.490	0.298	0.198	0.399
I8NS2020	A	1.133	1.032	1.244	0.125	0.032	0.218
I8NS2090	A	1.155	1.051	1.270	0.144	0.049	0.239
I8SP3030	A	1.023	0.916	1.142	0.023	-0.087	0.133
I6NS7010	A	0.962	0.841	1.100	-0.039	-0.173	0.095
I6RP2047	A	0.961	0.862	1.072	-0.040	-0.148	0.069
I6NS1019	A	1.109	1.012	1.215	0.103	0.012	0.195
I6RP3028	A	0.782	0.702	0.870	-0.246	-0.353	-0.139
I6EE9005	A	1.023	0.933	1.122	0.023	-0.070	0.115

Table 27: g7spring_hispanic

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I7EE4021	A	1.055	0.944	1.179	0.054	-0.057	0.165
I7EE3034	A	0.962	0.873	1.059	-0.039	-0.135	0.057
I7EE3019	A	0.903	0.815	1.001	-0.102	-0.205	0.001
I7G1005	A	1.043	0.933	1.167	0.043	-0.069	0.154
I7G2012	A	0.948	0.861	1.043	-0.054	-0.149	0.042
I7G2008	A	0.987	0.897	1.085	-0.014	-0.108	0.081
I7G5001	A	1.140	1.042	1.247	0.131	0.041	0.221
I7G2009	A	1.049	0.947	1.162	0.048	-0.054	0.150
I7NS2021	A	1.064	0.949	1.193	0.062	-0.053	0.176
I7NS2044	A	1.194	1.063	1.343	0.178	0.061	0.295
I7NS2018	A	1.088	0.981	1.207	0.085	-0.019	0.188
I7NS2017	A	0.948	0.859	1.046	-0.054	-0.152	0.045
I7NS2048	A	0.969	0.873	1.075	-0.032	-0.136	0.073
I7RP3026	A	1.080	0.971	1.201	0.077	-0.029	0.183
I7RP1004	A	0.792	0.716	0.875	-0.234	-0.334	-0.134
I7RP3008	A	1.061	0.958	1.175	0.059	-0.042	0.161
I7RP1015	A	0.995	0.900	1.099	-0.005	-0.105	0.095
I7RP2048	A	1.107	1.000	1.226	0.102	0.000	0.204
I7RP1049	A	0.974	0.882	1.076	-0.026	-0.125	0.073
I7SP5019	A	0.965	0.849	1.097	-0.035	-0.163	0.093
I7SP4011	A	1.012	0.901	1.136	0.012	-0.104	0.127
I7SP4018	A	1.174	1.059	1.302	0.161	0.057	0.264
I7SP1014	A	0.916	0.826	1.016	-0.087	-0.191	0.016
I7SP2019	A	1.002	0.903	1.112	0.002	-0.102	0.106
I7SP7014	A	0.900	0.814	0.995	-0.105	-0.206	-0.005
70315.	A	0.897	0.787	1.023	-0.108	-0.239	0.022
70457.	A	0.945	0.842	1.060	-0.057	-0.172	0.058
70789.	A	0.980	0.881	1.090	-0.020	-0.126	0.087
70238.	A	1.036	0.928	1.155	0.035	-0.074	0.144
70089.	A	0.964	0.868	1.071	-0.036	-0.142	0.069
I7RP2050	A	0.898	0.752	1.073	-0.107	-0.286	0.071
I7RP1003	A	0.826	0.737	0.926	-0.191	-0.305	-0.077
I7NS2041	A	1.076	0.950	1.219	0.074	-0.051	0.198
I7NS3003	A	0.906	0.819	1.002	-0.099	-0.200	0.002
I7RP3006	A	1.036	0.936	1.146	0.035	-0.066	0.136
I8G5003	A	0.999	0.899	1.110	-0.001	-0.107	0.105
I8G4010	A	0.858	0.772	0.954	-0.153	-0.259	-0.047
I8NS2020	A	1.001	0.905	1.106	0.001	-0.099	0.101
I8NS2090	A	1.050	0.949	1.163	0.049	-0.053	0.151
I8SP3030	A	0.949	0.843	1.067	-0.053	-0.171	0.065
I6NS7010	A	1.106	0.960	1.275	0.101	-0.041	0.243
I6RP2047	A	1.020	0.908	1.147	0.020	-0.096	0.137
I6NS1019	A	0.916	0.831	1.011	-0.087	-0.185	0.011
I6RP3028	A	0.990	0.884	1.109	-0.010	-0.123	0.104
I6EE9005	A	1.214	1.099	1.340	0.194	0.095	0.293

Table 28: g7spring_nonwhite

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I7EE4021	A	1.091	0.979	1.215	0.087	-0.021	0.195
I7EE3034	A	0.962	0.876	1.056	-0.039	-0.133	0.054
I7EE3019	A	0.914	0.827	1.009	-0.090	-0.190	0.009
I7G1005	A	1.026	0.921	1.144	0.026	-0.083	0.135
I7G2012	A	1.027	0.937	1.126	0.027	-0.065	0.119
I7G2008	A	1.009	0.921	1.105	0.009	-0.082	0.100
I7G5001	A	1.068	0.979	1.164	0.065	-0.021	0.152
I7G2009	A	1.009	0.915	1.113	0.009	-0.089	0.107
I7NS2021	A	1.146	1.026	1.282	0.137	0.025	0.248
I7NS2044	A	1.138	1.016	1.274	0.129	0.016	0.242
I7NS2018	A	1.097	0.992	1.212	0.092	-0.008	0.192
I7NS2017	A	0.975	0.886	1.073	-0.025	-0.121	0.071
I7NS2048	A	0.950	0.859	1.052	-0.051	-0.152	0.050
I7RP3026	A	1.069	0.964	1.185	0.067	-0.036	0.169
I7RP1004	A	0.858	0.780	0.945	-0.153	-0.249	-0.057
I7RP3008	A	1.018	0.923	1.123	0.018	-0.080	0.116
I7RP1015	A	0.981	0.891	1.081	-0.019	-0.115	0.077
I7RP2048	A	1.108	1.005	1.222	0.103	0.005	0.201
I7RP1049	A	0.993	0.903	1.093	-0.007	-0.102	0.089
I7SP5019	A	0.921	0.812	1.044	-0.830	-0.208	0.043
I7SP4011	A	1.024	0.916	1.144	0.023	-0.088	0.135
I7SP4018	A	1.068	0.967	1.179	0.066	-0.034	0.165
I7SP1014	A	0.968	0.876	1.070	-0.032	-0.132	0.068
I7SP2019	A	1.074	0.972	1.188	0.072	-0.029	0.172
I7SP7014	A	0.966	0.877	1.063	-0.035	-0.131	0.061
70315.	A	0.942	0.829	1.071	-0.059	-0.187	0.068
70457.	A	0.960	0.859	1.074	-0.040	-0.152	0.071
70789.	A	0.936	0.846	1.037	-0.066	-0.168	0.036
70238.	A	1.087	0.978	1.207	0.083	-0.022	0.188
70089.	A	0.958	0.865	1.060	-0.043	-0.145	0.058
I7RP2050	A	0.839	0.703	1.002	-0.175	-0.353	0.002
I7RP1003	A	0.781	0.701	0.872	-0.247	-0.356	-0.137
I7NS2041	A	1.055	0.934	1.190	0.053	-0.068	0.174
I7NS3003	A	0.932	0.846	1.027	-0.070	-0.167	0.027
I7RP3006	A	0.976	0.886	1.074	-0.025	-0.121	0.072
I8G5003	A	1.170	1.057	1.296	0.157	0.056	0.259
I8G4010	A	0.998	0.901	1.105	-0.002	-0.104	0.100
I8NS2020	A	1.095	0.995	1.205	0.091	-0.005	0.187
I8NS2090	A	1.066	0.967	1.175	0.063	-0.034	0.161
I8SP3030	A	0.925	0.827	1.036	-0.077	-0.190	0.035
I6NS7010	A	1.078	0.939	1.237	0.075	-0.063	0.213
I6RP2047	A	0.973	0.870	1.088	-0.027	-0.139	0.085
I6NS1019	A	0.923	0.840	1.014	-0.080	-0.174	0.014
I6RP3028	A	0.893	0.801	0.996	-0.113	-0.223	-0.004
I6EE9005	A	1.057	0.961	1.162	0.055	-0.039	0.150

Table 29: g7spring_sped

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I7EE4021	A	0.966	0.865	1.080	-0.034	-0.145	0.077
I7EE3034	A	0.842	0.764	0.928	-0.172	-0.269	-0.075
I7EE3019	A	0.899	0.811	0.997	-0.107	-0.210	-0.003
I7G1005	A	0.949	0.850	1.060	-0.052	-0.163	0.059
I7G2012	A	0.977	0.887	1.075	-0.023	-0.119	0.073
I7G2008	A	1.068	0.971	1.175	0.066	-0.030	0.161
I7G5001	A	1.033	0.943	1.131	0.032	-0.059	0.123
I7G2009	A	1.117	1.007	1.238	0.111	0.007	0.214
I7NS2021	A	1.093	0.974	1.226	0.089	-0.026	0.203
I7NS2044	A	1.062	0.946	1.193	0.060	-0.056	0.177
I7NS2018	A	1.042	0.939	1.156	0.041	-0.062	0.145
I7NS2017	A	0.876	0.793	0.968	-0.132	-0.232	-0.033
I7NS2048	A	0.957	0.862	1.062	-0.044	-0.148	0.061
I7RP3026	A	0.879	0.791	0.976	-0.129	-0.235	-0.024
I7RP1004	A	0.941	0.851	1.041	-0.061	-0.161	0.040
I7RP3008	A	0.957	0.864	1.060	-0.044	-0.146	0.058
I7RP1015	A	0.991	0.897	1.096	-0.009	-0.109	0.091
I7RP2048	A	0.931	0.840	1.031	-0.072	-0.174	0.031
I7RP1049	A	0.889	0.805	0.982	-0.118	-0.217	-0.018
I7SP5019	A	0.779	0.687	0.884	-0.250	-0.376	-0.124
I7SP4011	A	1.015	0.904	1.139	0.015	-0.100	0.130
I7SP4018	A	1.114	1.004	1.236	0.108	0.004	0.212
I7SP1014	A	1.009	0.909	1.120	0.009	-0.095	0.114
I7SP2019	A	0.996	0.897	1.106	-0.004	-0.109	0.100
I7SP7014	A	0.978	0.883	1.082	-0.023	-0.125	0.079
70315.	A	0.890	0.782	1.013	-0.117	-0.246	0.013
70457.	A	1.017	0.906	1.142	0.017	-0.098	0.133
70789.	A	0.931	0.838	1.036	-0.071	-0.177	0.035
70238.	A	0.882	0.791	0.983	-0.126	-0.234	-0.017
70089.	A	0.831	0.749	0.923	-0.185	-0.289	-0.080
I7RP2050	A	0.708	0.596	0.842	-0.345	-0.518	-0.172
I7RP1003	A	0.881	0.787	0.986	-0.127	-0.240	-0.014
I7NS2041	A	1.063	0.938	1.204	0.061	-0.064	0.186
I7NS3003	A	0.803	0.724	0.891	-0.219	-0.323	-0.116
I7RP3006	A	1.199	1.081	1.329	0.181	0.078	0.284
I8G5003	A	1.197	1.075	1.332	0.179	0.072	0.287
I8G4010	A	0.941	0.846	1.046	-0.061	-0.167	0.045
I8NS2020	A	1.036	0.936	1.146	0.035	-0.066	0.136
I8NS2090	A	1.058	0.954	1.172	0.056	-0.047	0.159
I8SP3030	A	0.885	0.783	0.999	-0.123	-0.244	-0.001
I6NS7010	A	0.996	0.865	1.147	-0.004	-0.146	0.137
I6RP2047	A	0.849	0.757	0.952	-0.164	-0.279	-0.049
I6NS1019	A	0.988	0.894	1.091	-0.012	-0.112	0.087
I6RP3028	A	0.845	0.755	0.946	-0.168	-0.281	-0.056
I6EE9005	A	1.096	0.991	1.212	0.091	-0.009	0.192

Table 30: g7winter_ell

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I7EE1009	A	1.286	1.166	1.418	0.252	0.154	0.349
I7EE4041	A	0.839	0.756	0.930	-0.176	-0.279	-0.072
I7EE3005	A	0.821	0.740	0.909	-0.198	-0.300	0.095
I7EE3045	A	0.914	0.827	1.011	-0.090	-0.191	0.011
I7EE1043	A	1.062	0.963	1.170	0.060	-0.037	0.157
I7EE2007	A	0.902	0.813	1.000	-0.103	-0.207	0.000
I7EE3019	A	0.837	0.750	0.934	-0.178	-0.288	-0.069
I7G2021	A	0.924	0.801	1.067	-0.079	-0.222	0.065
I7G3001	A	1.186	1.062	1.325	0.171	0.061	0.281
I7G4026	A	1.213	1.095	1.343	0.193	0.091	0.295
I7G5030	A	1.129	1.024	1.244	0.121	0.024	0.219
I7NS2009	A	0.736	0.653	0.830	-0.306	-0.426	-0.187
I7NS2021	A	0.983	0.878	1.100	-0.017	-0.130	0.096
I7NS1047	A	1.087	0.980	1.206	0.084	-0.020	0.187
I7NS2051	A	0.991	0.895	1.098	-0.009	-0.111	0.094
I7RP1013	A	0.952	0.853	1.062	-0.049	-0.159	0.060
I7RP2048	A	1.028	0.930	1.137	0.028	-0.073	0.128
I7RP1046	A	0.794	0.719	0.878	-0.230	-0.330	-0.130
I7SP1008	A	0.768	0.658	0.896	-0.264	-0.418	-0.110
I7SP5019	A	0.860	0.756	0.978	-0.151	-0.280	-0.022
I7SP6014	A	0.861	0.775	0.957	-0.150	-0.255	-0.044
I7SP1003	A	0.945	0.849	1.051	-0.057	-0.163	0.050
I7SP1014	A	0.982	0.887	1.086	-0.018	-0.120	0.083
I7SP6002	A	0.896	0.806	0.995	-0.110	-0.215	-0.005
I7SP2002	A	0.803	0.724	0.890	-0.219	-0.322	-0.117
70638.	A	0.976	0.862	1.105	-0.025	-0.149	0.100
70203.	A	1.196	1.063	1.346	0.179	0.061	0.297
70246.	A	0.964	0.863	1.076	-0.037	-0.148	0.074
70790.	A	0.978	0.875	1.094	-0.022	-0.134	0.090
70847.	A	1.152	1.046	1.270	0.142	0.045	0.239
I7G3022	A	0.989	0.841	1.163	-0.011	-0.173	0.151
I7NS2033	A	1.280	1.120	1.462	0.247	0.114	0.380
I7SP3002	A	0.992	0.891	1.104	-0.008	-0.115	0.099
I7NS1027	A	1.091	0.976	1.219	0.087	-0.024	0.198
I7SP6004	A	0.891	0.801	0.992	-0.115	-0.222	-0.008
I8SP4003	A	0.911	0.800	1.036	-0.094	-0.223	0.035
I8SP4007	A	0.996	0.868	1.143	-0.004	-0.142	0.133
I8NS1024	A	1.006	0.908	1.113	0.006	-0.096	0.107
I8G9014	A	1.274	1.154	1.407	0.242	0.143	0.342
I8NS1003	B	0.618	0.545	0.700	-0.482	-0.608	-0.356
I6NS2002	A	1.217	1.046	1.416	0.196	0.045	0.348
I6NS4016	A	1.103	0.984	1.235	0.098	-0.016	0.211
I6NS5006	A	0.828	0.745	0.919	-0.189	-0.294	-0.085
I6NS5003	A	1.139	1.023	1.269	0.130	0.022	0.238
I6SP2031	A	0.895	0.798	1.004	-0.111	-0.225	0.004

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I7EE1009	A	0.992	0.913	1.078	-0.008	-0.091	0.075
I7EE4041	A	0.846	0.774	0.924	-0.168	-0.256	-0.079
I7EE3005	A	0.830	0.759	0.907	-0.187	-0.276	-0.098
I7EE3045	A	0.829	0.760	0.904	-0.188	-0.274	-0.101
I7EE1043	A	1.081	0.995	1.175	0.078	-0.005	0.161
I7EE2007	A	0.748	0.685	0.818	-0.290	-0.379	-0.201
I7EE3019	A	0.973	0.886	1.069	-0.027	-0.121	0.067
I7G2021	A	1.039	0.917	1.178	0.039	-0.087	0.164
I7G3001	A	1.254	1.143	1.376	0.227	0.134	0.319
I7G4026	A	0.872	0.799	0.952	-0.137	-0.224	-0.049
I7G5030	A	1.266	1.164	1.377	0.236	0.152	0.320
I7NS2009	A	1.049	0.943	1.168	0.048	-0.059	0.155
I7NS2021	A	0.947	0.859	1.044	-0.055	-0.152	0.043
I7NS1047	A	1.076	0.985	1.176	0.073	-0.016	0.162
I7NS2051	A	1.050	0.962	1.147	0.049	-0.039	0.137
I7RP1013	A	0.727	0.661	0.799	-0.319	-0.415	-0.224
I7RP2048	A	0.974	0.893	1.062	-0.026	-0.113	0.060
I7RP1046	A	1.140	1.047	1.241	0.131	0.046	0.216
I7SP1008	B	1.659	1.441	1.910	0.506	0.356	0.647
I7SP5019	A	0.865	0.773	0.968	-0.145	-0.257	-0.033
I7SP6014	A	0.932	0.850	1.021	-0.071	-0.162	0.021
I7SP1003	A	0.926	0.845	1.015	-0.077	-0.169	0.015
I7SP1014	A	0.951	0.872	1.038	-0.050	-0.137	0.037
I7SP6002	A	0.930	0.849	1.019	-0.072	-0.164	0.019
I7SP2002	A	0.909	0.831	0.993	-0.096	-0.185	-0.007
70638.	A	1.488	1.335	1.658	0.397	0.289	0.505
70203.	A	1.068	0.967	1.181	0.066	-0.034	0.166
70246.	A	1.296	1.178	1.427	0.260	0.164	0.356
70790.	A	0.939	0.853	1.034	-0.063	-0.159	0.034
70847.	A	1.083	0.996	1.177	0.080	-0.004	0.163
I7G3022	A	1.249	1.085	1.439	0.223	0.081	0.364
I7NS2033	A	1.290	1.152	1.443	0.254	0.142	0.367
I7SP3002	A	1.171	1.068	1.284	0.158	0.065	0.250
I7NS1027	A	1.050	0.954	1.157	0.049	-0.047	0.146
I7SP6004	A	0.685	0.625	0.752	-0.378	-0.470	-0.285
I8SP4003	A	1.050	0.939	1.176	0.049	-0.063	0.162
I8SP4007	A	1.411	1.251	1.592	0.345	0.224	0.465
I8NS1024	A	1.049	0.961	1.145	0.048	-0.040	0.136
I8G9014	A	1.374	1.262	1.496	0.318	0.233	0.403
I8NS1003	A	0.882	0.797	0.977	-0.125	-0.227	-0.023
I6NS2002	B	1.548	1.358	1.766	0.437	0.306	0.568
I6NS4016	A	1.144	1.038	1.261	0.135	0.038	0.232
I6NS5006	B	0.622	0.568	0.682	-0.474	-0.566	-0.382
I6NS5003	A	0.768	0.699	0.843	-0.264	-0.357	-0.171
I6SP2031	A	1.078	0.978	1.189	0.076	-0.022	0.173

Table 32: g7winter_hispanic

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I7EE1009	A	1.362	1.248	1.487	0.309	0.221	0.397
I7EE4041	A	1.003	0.914	1.101	0.003	-0.090	0.096
I7EE3005	A	0.832	0.758	0.914	-0.184	-0.277	-0.090
I7EE3045	A	0.923	0.842	1.010	-0.081	-0.172	0.010
I7EE1043	A	1.090	0.998	1.189	0.086	-0.002	0.173
I7EE2007	A	1.053	0.960	1.155	0.051	-0.041	0.144
I7EE3019	A	0.921	0.835	1.017	-0.082	-0.180	0.017
I7G2021	A	0.962	0.843	1.097	-0.039	-0.170	0.092
I7G3001	A	1.084	0.984	1.195	0.081	-0.017	0.179
I7G4026	A	1.118	1.020	1.226	0.112	0.020	0.203
I7G5030	A	1.071	0.981	1.169	0.069	-0.019	0.157
I7NS2009	A	0.814	0.728	0.910	-0.206	-0.318	-0.094
I7NS2021	A	1.161	1.048	1.286	0.149	0.047	0.252
I7NS1047	A	1.108	1.009	1.217	0.103	0.009	0.196
I7NS2051	A	0.992	0.904	1.087	-0.008	-0.101	0.084
I7RP1013	A	0.987	0.894	1.089	-0.014	-0.112	0.085
I7RP2048	A	0.918	0.838	1.006	-0.085	-0.176	0.006
I7RP1046	A	0.791	0.724	0.865	-0.234	-0.323	-0.145
I7SP1008	A	1.038	0.899	1.199	0.038	-0.106	0.181
I7SP5019	A	0.905	0.805	1.018	-0.099	-0.216	0.018
I7SP6014	A	0.926	0.841	1.019	-0.077	-0.173	0.019
I7SP1003	A	0.983	0.892	1.082	-0.018	-0.114	0.079
I7SP1014	A	0.969	0.884	1.062	-0.032	-0.123	0.060
I7SP6002	A	0.908	0.825	0.999	-0.097	-0.192	-0.001
I7SP2002	A	0.893	0.813	0.980	-0.113	-0.207	-0.020
70638.	A	0.933	0.834	1.043	-0.070	-0.182	0.042
70203.	A	1.082	0.975	1.202	0.079	-0.026	0.184
70246.	A	0.863	0.781	0.954	-0.147	-0.247	-0.047
70790.	A	1.050	0.949	1.161	0.049	-0.052	0.149
70847.	A	1.092	1.000	1.192	0.088	0.000	0.175
I7G3022	A	1.020	0.881	1.182	0.020	-0.127	0.167
I7NS2033	A	1.132	1.006	1.273	0.124	0.006	0.241
I7SP3002	A	1.055	0.957	1.163	0.054	-0.044	0.151
I7NS1027	A	1.025	0.927	1.134	0.025	-0.076	0.126
I7SP6004	A	0.875	0.794	0.964	-0.134	-0.231	-0.037
I8SP4003	A	0.884	0.786	0.995	-0.123	-0.241	-0.005
I8SP4007	A	0.927	0.817	1.051	-0.076	-0.202	0.050
I8NS1024	A	0.994	0.907	1.090	-0.006	-0.098	0.086
I8G9014	A	1.181	1.080	1.291	0.166	0.077	0.255
I8NS1003	A	0.733	0.658	0.818	-0.310	-0.419	-0.201
I6NS2002	A	1.116	0.975	1.278	0.110	-0.025	0.245
I6NS4016	A	1.049	0.948	1.162	0.048	-0.054	0.150
I6NS5006	A	0.913	0.830	1.005	-0.091	-0.186	0.005
I6NS5003	A	1.053	0.955	1.160	0.052	-0.046	0.149
I6SP2031	A	0.964	0.870	1.068	-0.036	-0.139	0.066

Table 33: g7winter_nonwhite

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I7EE1009	A	1.162	1.068	1.265	0.150	0.066	0.235
I7EE4041	A	0.971	0.887	1.063	-0.029	-0.120	0.061
I7EE3005	A	0.907	0.828	0.993	-0.098	-0.189	-0.007
I7EE3045	A	0.883	0.809	0.965	-0.124	-0.212	-0.036
I7EE1043	A	1.113	1.023	1.212	0.107	0.022	0.192
I7EE2007	A	0.967	0.884	1.058	-0.033	-0.124	0.057
I7EE3019	A	0.904	0.822	0.995	-0.101	-0.196	-0.005
I7G2021	A	1.008	0.887	1.146	0.008	-0.120	0.136
I7G3001	A	1.014	0.923	1.115	0.014	-0.080	0.109
I7G4026	A	1.240	1.134	1.356	0.215	0.125	0.305
I7G5030	A	1.038	0.953	1.130	0.037	-0.048	0.123
I7NS2009	A	0.794	0.711	0.885	-0.231	-0.341	-0.122
I7NS2021	A	1.088	0.985	1.202	0.085	-0.015	0.184
I7NS1047	A	1.141	1.042	1.249	0.132	0.041	0.223
I7NS2051	A	1.023	0.936	1.119	0.023	-0.066	0.112
I7RP1013	A	0.946	0.859	1.041	-0.056	-0.152	0.040
I7RP2048	A	1.000	0.916	1.092	0.000	-0.088	0.088
I7RP1046	A	0.799	0.733	0.871	-0.224	-0.311	-0.138
I7SP1008	A	0.899	0.782	1.035	-0.106	-0.246	0.034
I7SP5019	A	0.969	0.864	1.086	-0.032	-0.146	0.082
I7SP6014	A	0.917	0.835	1.006	-0.087	-0.180	0.006
I7SP1003	A	0.887	0.808	0.974	-0.120	-0.214	-0.027
I7SP1014	A	0.967	0.885	1.057	-0.033	-0.122	0.055
I7SP6002	A	0.926	0.844	1.016	-0.077	-0.170	0.016
I7SP2002	A	0.870	0.795	0.953	-0.139	-0.229	-0.049
70638.	A	1.096	0.983	1.220	0.092	-0.017	0.200
70203.	A	1.137	1.027	1.259	0.129	0.027	0.230
70246.	A	0.845	0.766	0.931	-0.169	-0.267	-0.071
70790.	A	0.965	0.875	1.064	-0.036	-0.134	0.062
70847.	A	1.087	0.999	1.184	0.084	-0.001	0.169
I7G3022	A	0.903	0.782	1.042	-0.102	-0.245	0.041
I7NS2033	A	1.087	0.970	1.218	0.083	-0.030	0.197
I7SP3002	A	1.018	0.926	1.118	0.018	-0.076	0.112
I7NS1027	A	1.190	1.079	1.314	0.174	0.076	0.273
I7SP6004	A	0.895	0.815	0.983	-0.111	-0.204	-0.017
I8SP4003	A	0.995	0.887	1.116	-0.005	-0.120	0.110
I8SP4007	A	0.962	0.851	1.087	-0.039	-0.161	0.084
I8NS1024	A	1.094	1.000	1.196	0.090	0.000	0.179
I8G9014	A	1.173	1.076	1.279	0.160	0.073	0.246
I8NS1003	A	0.732	0.660	0.812	-0.312	-0.416	-0.208
I6NS2002	A	1.085	0.953	1.237	0.082	-0.049	0.212
I6NS4016	A	1.063	0.963	1.173	0.061	-0.038	0.160
I6NS5006	A	0.924	0.842	1.013	-0.079	-0.172	0.013
I6NS5003	A	1.082	0.984	1.189	0.078	-0.016	0.173
I6SP2031	A	1.033	0.935	1.142	0.033	-0.067	0.132

Table 34: g7winter_sped

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I7EE1009	A	1.297	1.1830	1.422	0.260	0.168	0.352
I7EE4041	A	0.759	0.6890	0.837	-0.275	-0.372	-0.178
I7EE3005	A	0.727	0.6600	0.800	-0.319	-0.415	-0.223
I7EE3045	A	0.825	0.7500	0.907	-0.193	-0.287	-0.098
I7EE1043	A	1.104	1.0070	1.210	0.099	0.007	0.191
I7EE2007	A	0.926	0.8400	1.021	-0.077	-0.174	0.021
I7EE3019	A	0.860	0.7760	0.953	-0.150	-0.253	-0.048
I7G2021	A	0.761	0.6690	0.867	-0.273	-0.402	-0.143
I7G3001	A	0.990	0.8950	1.096	-0.010	-0.111	0.091
I7G4026	A	1.147	1.0410	1.263	0.137	0.040	0.233
I7G5030	A	1.073	0.9790	1.177	0.071	-0.021	0.163
I7NS2009	A	0.730	0.6530	0.816	-0.314	-0.426	-0.203
I7NS2021	A	0.916	0.0825	1.017	-0.087	-0.192	0.017
I7NS1047	A	1.010	0.9160	1.113	0.010	-0.088	0.107
I7NS2051	A	1.006	0.9140	1.107	0.006	-0.090	0.102
I7RP1013	A	0.952	0.8590	1.055	-0.049	-0.152	0.053
I7RP2048	A	0.944	0.8580	1.039	-0.058	-0.153	0.038
I7RP1046	A	0.796	0.7240	0.874	-0.228	-0.323	-0.134
I7SP1008	A	0.843	0.7320	0.972	-0.170	-0.312	-0.028
I7SP5019	A	0.753	0.6690	0.847	-0.284	-0.402	-0.167
I7SP6014	A	0.906	0.8200	1.000	-0.099	-0.198	0.000
I7SP1003	A	1.007	0.9110	1.113	0.007	-0.093	0.107
I7SP1014	A	0.943	0.8570	1.038	-0.059	-0.154	0.037
I7SP6002	A	0.932	0.8440	1.029	-0.071	-0.170	0.028
I7SP2002	A	0.916	0.8310	1.009	-0.088	-0.185	0.008
70638.	A	1.004	0.8940	1.127	0.004	-0.112	0.120
70203.	A	1.062	0.9520	1.184	0.060	-0.049	0.169
70246.	A	0.967	0.8720	1.073	-0.034	-0.137	0.070
70790.	A	1.128	1.0150	1.253	0.120	0.014	0.226
70847.	A	1.135	1.0350	1.245	0.127	0.035	0.219
I7G3022	A	0.881	0.7610	1.020	-0.127	-0.273	0.019
I7NS2033	A	1.137	1.0070	1.285	0.129	0.007	0.251
I7SP3002	A	1.023	0.9250	1.132	0.023	-0.078	0.124
I7NS1027	A	0.997	0.8970	1.109	-0.003	-0.108	0.103
I7SP6004	A	0.998	0.9020	1.105	-0.002	-0.103	0.100
I8SP4003	A	0.844	0.7500	0.950	-0.170	-0.288	-0.051
I8SP4007	A	0.856	0.7550	0.971	-0.156	-0.281	-0.030
I8NS1024	A	0.988	0.8960	1.088	-0.012	-0.109	0.084
I8G9014	A	1.175	1.0700	1.291	0.161	0.067	0.255
I8NS1003	A	0.882	0.7870	0.988	-0.126	-0.239	-0.013
I6NS2002	A	0.979	0.8540	1.122	-0.022	-0.158	0.115
I6NS4016	A	1.019	0.9160	1.133	0.019	-0.088	0.125
I6NS5006	A	0.982	0.8900	1.085	-0.018	-0.117	0.082
I6NS5003	A	1.088	0.9820	1.205	0.084	-0.018	0.187
I6SP2031	A	0.936	0.8400	1.042	-0.067	-0.175	0.042

Table 35: g8fall_ell

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE5003	A	0.791	0.721	0.869	-0.234	-0.327	-0.141
I8EE5005	A	0.941	0.859	1.031	-0.060	-0.152	0.031
I8EE4018	A	0.968	0.885	1.060	-0.032	-0.123	0.058
I8EE3024	B	1.677	1.527	1.842	0.517	0.424	0.611
I8EE7017	A	1.090	0.992	1.196	0.086	-0.008	0.179
I8EE4019	A	1.097	0.996	1.208	0.092	-0.004	0.189
I8F3024	A	0.919	0.840	1.006	-0.084	-0.175	0.006
I8F4034	A	0.925	0.837	1.022	-0.078	-0.177	0.022
I8F2026	A	0.944	0.860	1.036	-0.058	-0.151	0.035
I8G5001	A	0.946	0.852	1.051	-0.055	-0.160	0.049
I8G6009	A	0.943	0.863	1.030	-0.059	-0.148	0.030
I8G5007	A	1.029	0.937	1.131	0.029	-0.065	0.123
I8G6008	A	0.916	0.834	1.006	-0.088	-0.182	0.006
I8NS2010	A	1.188	1.084	1.303	0.172	0.080	0.264
I8NS1038	A	1.275	1.149	1.416	0.243	0.139	0.348
I8NS1011	A	1.145	1.042	1.259	0.136	0.041	0.230
I8NS1072	A	0.932	0.851	1.020	-0.071	-0.162	0.020
I8NS1008	A	0.852	0.769	0.945	-0.160	-0.263	-0.057
I8NS1033	A	1.078	0.983	1.181	0.075	-0.017	0.167
I8NS2019	A	1.179	1.074	1.293	0.164	0.072	0.257
I8SP1012	A	1.100	1.001	1.208	0.095	0.001	0.189
I8SP1009	A	1.090	0.991	1.198	0.086	-0.009	0.181
I8SP3036	A	0.978	0.888	1.078	-0.022	-0.119	0.075
I8SP3037	A	1.028	0.927	1.139	0.027	-0.076	0.130
I8SP1015	A	1.036	0.945	1.136	0.035	-0.057	0.127
80476.	A	0.955	0.850	1.072	-0.047	-0.162	0.069
80692.	A	0.886	0.805	0.975	-0.121	-0.217	-0.025
80602.	A	0.856	0.770	0.951	-0.156	-0.261	-0.050
80681.	A	0.979	0.889	1.078	-0.021	-0.118	0.075
80836.	A	1.223	1.111	1.346	0.202	0.106	0.297
I8SP2025	A	1.026	0.917	1.148	0.026	-0.087	0.138
I8G1009	A	1.066	0.955	1.190	0.064	-0.046	0.174
I8NS2011	A	1.023	0.921	1.135	0.022	-0.082	0.126
I8F2002	A	0.941	0.853	1.037	-0.061	-0.159	0.037
I8NS2017	A	1.210	1.094	1.339	0.191	0.090	0.292
I8SP4012	A	0.907	0.820	1.004	-0.097	-0.199	0.004
I8SP1010	A	1.018	0.911	1.138	0.018	-0.093	0.129
I8F2012	A	0.920	0.825	1.026	-0.083	-0.192	0.025
I8F3006	A	0.849	0.773	0.931	-0.164	-0.257	-0.071
I8NS1056	A	0.743	0.668	0.826	-0.298	-0.404	-0.191
I7G3019	A	0.811	0.697	0.945	-0.209	-0.361	-0.057
I7RP2003	A	0.814	0.724	0.916	-0.205	-0.323	-0.087
I7RP2005	A	0.927	0.841	1.021	-0.076	-0.173	0.020
I7NS3059	A	0.984	0.893	1.084	-0.016	-0.113	0.080
I7RP1047	A	0.906	0.821	1.000	-0.099	-0.197	0.000

Table 36: g8fall_female

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE5003	A	0.658	0.608	0.714	-0.418	-0.498	-0.337
I8EE5005	A	1.017	0.940	1.101	0.017	-0.062	0.096
I8EE4018	B	0.644	0.596	0.697	-0.439	-0.518	-0.361
I8EE3024	A	0.891	0.823	0.965	-0.115	-0.195	-0.036
I8EE7017	A	0.909	0.839	0.986	-0.095	-0.176	-0.014
I8EE4019	A	0.930	0.855	1.012	-0.072	-0.157	0.012
I8F3024	A	1.101	1.018	1.191	0.096	0.018	0.175
I8F4034	A	0.907	0.832	0.989	-0.097	-0.183	-0.012
I8F2026	A	1.047	0.967	1.135	0.046	-0.034	0.126
I8G5001	A	1.016	0.929	1.111	0.016	-0.074	0.106
I8G6009	A	1.086	1.006	1.173	0.083	0.006	0.159
I8G5007	A	1.246	1.150	1.351	0.220	0.140	0.301
I8G6008	A	1.041	0.960	1.128	0.040	-0.041	0.121
I8NS2010	A	1.030	0.952	1.115	0.030	-0.049	0.109
I8NS1038	A	1.161	1.064	1.267	0.150	0.062	0.237
I8NS1011	A	1.153	1.064	1.250	0.142	0.062	0.223
I8NS1072	A	0.922	0.852	0.998	-0.081	-0.160	-0.002
I8NS1008	A	0.925	0.846	1.011	-0.078	-0.167	0.011
I8NS1033	A	1.131	1.045	1.224	0.123	0.044	0.202
I8NS2019	A	0.936	0.864	1.015	-0.066	-0.146	0.015
I8SP1012	A	0.851	0.785	0.923	-0.161	-0.242	-0.080
I8SP1009	A	1.124	1.036	1.219	0.117	0.036	0.198
I8SP3036	A	0.999	0.919	1.086	-0.001	-0.084	0.082
I8SP3037	A	1.135	1.039	1.239	0.126	0.038	0.215
I8SP1015	A	0.805	0.744	0.872	-0.216	-0.296	-0.137
80476.	A	1.216	1.101	1.343	0.196	0.096	0.295
80692.	A	1.046	0.963	1.136	0.045	-0.038	0.128
80602.	A	1.060	0.969	1.161	0.059	-0.032	0.149
80681.	A	1.200	1.103	1.304	0.182	0.098	0.266
80836.	A	1.041	0.958	1.132	0.040	-0.043	0.124
I8SP2025	A	1.063	0.966	1.170	0.061	-0.035	0.157
I8G1009	A	1.116	1.016	1.225	0.110	0.016	0.203
I8NS2011	A	0.835	0.763	0.913	-0.181	-0.271	-0.091
I8F2002	A	1.015	0.934	1.104	0.015	-0.069	0.099
I8NS2017	A	0.871	0.798	0.949	-0.139	-0.225	-0.052
I8SP4012	A	1.248	1.143	1.363	0.222	0.134	0.309
I8SP1010	A	1.225	1.114	1.347	0.203	0.108	0.298
I8F2012	A	0.965	0.879	1.059	-0.036	-0.129	0.057
I8F3006	A	1.190	1.098	1.290	0.174	0.094	0.254
I8NS1056	A	0.746	0.681	0.817	-0.293	-0.384	-0.202
I7G3019	A	1.465	1.279	1.679	0.382	0.246	0.518
I7RP2003	A	1.229	1.111	1.361	0.206	0.105	0.308
I7RP2005	A	0.956	0.880	1.038	-0.045	-0.128	0.037
I7NS3059	A	1.004	0.924	1.091	0.004	-0.079	0.087
I7RP1047	A	0.939	0.863	1.022	-0.063	-0.148	0.022

Table 37: g8fall_hispanic

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE5003	A	0.796	0.731	0.867	-0.228	-0.313	-0.143
I8EE5005	A	1.094	1.006	1.189	0.089	0.006	0.173
I8EE4018	A	0.899	0.828	0.976	-0.106	-0.189	-0.024
I8EE3024	A	1.303	1.197	1.419	0.265	0.180	0.350
I8EE7017	A	1.047	0.961	1.140	0.046	-0.040	0.131
I8EE4019	A	0.913	0.834	0.999	-0.091	-0.181	-0.001
I8F3024	A	0.975	0.897	1.059	-0.026	-0.109	0.058
I8F4034	A	0.965	0.881	1.057	-0.036	-0.127	0.055
I8F2026	A	0.944	0.867	1.028	-0.057	-0.142	0.028
I8G5001	A	0.968	0.880	1.065	-0.032	-0.128	0.063
I8G6009	A	0.951	0.877	1.032	-0.050	-0.132	0.032
I8G5007	A	1.089	1.000	1.187	0.086	0.000	0.171
I8G6008	A	0.996	0.914	1.086	-0.004	-0.090	0.083
I8NS2010	A	1.140	1.048	1.240	0.131	0.047	0.215
I8NS1038	A	1.192	1.086	1.309	0.176	0.083	0.269
I8NS1011	A	1.083	0.993	1.180	0.079	-0.007	0.166
I8NS1072	A	1.040	0.956	1.131	0.039	-0.045	0.123
I8NS1008	A	0.957	0.870	1.052	-0.044	-0.139	0.050
I8NS1033	A	1.099	1.010	1.195	0.094	0.010	0.178
I8NS2019	A	1.033	0.948	1.126	0.033	-0.053	0.118
I8SP1012	A	1.045	0.959	1.138	0.044	-0.042	0.129
I8SP1009	A	1.057	0.970	1.152	0.055	-0.031	0.142
I8SP3036	A	1.009	0.924	1.103	0.009	-0.080	0.098
I8SP3037	A	1.078	0.982	1.184	0.075	-0.018	0.169
I8SP1015	A	0.994	0.914	1.080	-0.006	-0.090	0.077
80476.	A	1.007	0.907	1.119	0.007	-0.097	0.112
80692.	A	0.930	0.852	1.016	-0.072	-0.160	0.016
80602.	A	0.905	0.822	0.997	-0.099	-0.196	-0.003
80681.	A	0.939	0.860	1.027	-0.063	-0.151	0.026
80836.	A	1.197	1.095	1.308	0.180	0.091	0.269
I8SP2025	A	0.873	0.789	0.966	-0.136	-0.237	-0.035
I8G1009	A	1.002	0.907	1.107	0.002	-0.097	0.102
I8NS2011	A	0.975	0.887	1.072	-0.025	-0.120	0.070
I8F2002	A	0.988	0.904	1.081	-0.012	-0.101	0.078
I8NS2017	A	1.108	1.010	1.215	0.103	0.010	0.195
I8SP4012	A	0.977	0.890	1.073	-0.023	-0.116	0.070
I8SP1010	A	0.933	0.844	1.031	-0.070	-0.170	0.030
I8F2012	A	0.876	0.793	0.966	-0.133	-0.232	-0.034
I8F3006	A	0.898	0.824	0.978	-0.108	-0.194	-0.023
I8NS1056	A	0.931	0.846	1.025	-0.071	-0.167	0.025
I7G3019	A	0.991	0.860	1.143	-0.009	-0.151	0.133
I7RP2003	A	0.944	0.848	1.051	-0.058	-0.165	0.050
I7RP2005	A	0.952	0.872	1.039	-0.050	-0.138	0.038
I7NS3059	A	0.920	0.842	1.005	-0.084	-0.172	0.005
I7RP1047	A	0.917	0.838	1.003	-0.087	-0.177	0.003

Table 38: g8fall_nonwhite

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE5003	A	0.818	0.753	0.887	-0.201	-0.283	-0.119
I8EE5005	A	0.960	0.886	1.041	-0.040	-0.121	0.040
I8EE4018	A	0.954	0.881	1.033	-0.047	-0.127	0.032
I8EE3024	A	1.277	1.176	1.386	0.244	0.162	0.326
I8EE7017	A	1.045	0.962	1.135	0.044	-0.039	0.127
I8EE4019	A	1.079	0.990	1.177	0.076	-0.010	0.163
I8F3024	A	0.888	0.820	0.962	-0.119	-0.199	-0.039
I8F4034	A	0.882	0.807	0.962	-0.126	-0.214	-0.038
I8F2026	A	0.961	0.886	1.044	-0.039	-0.121	0.043
I8G5001	A	0.903	0.824	0.990	-0.102	-0.194	-0.010
I8G6009	A	1.021	0.944	1.105	0.021	-0.058	0.099
I8G5007	A	1.075	0.990	1.168	0.072	-0.010	0.155
I8G6008	A	0.993	0.914	1.080	-0.007	-0.090	0.077
I8NS2010	A	1.044	0.963	1.131	0.043	-0.038	0.123
I8NS1038	A	1.324	1.210	1.448	0.281	0.191	0.370
I8NS1011	A	1.104	1.016	1.200	0.099	0.016	0.182
I8NS1072	A	1.061	0.979	1.151	0.060	-0.021	0.141
I8NS1008	A	0.981	0.895	1.074	-0.019	-0.110	0.072
I8NS1033	A	1.180	1.088	1.279	0.165	0.084	0.246
I8NS2019	A	1.156	1.064	1.255	0.145	0.062	0.227
I8SP1012	A	0.942	0.867	1.023	-0.060	-0.143	0.023
I8SP1009	A	1.015	0.934	1.102	0.014	-0.069	0.097
I8SP3036	A	1.000	0.918	1.089	0.000	-0.086	0.085
I8SP3037	A	1.093	0.999	1.197	0.089	-0.001	0.180
I8SP1015	A	0.952	0.878	1.032	-0.049	-0.130	0.031
80476.	A	1.058	0.956	1.171	0.057	-0.045	0.158
80692.	A	0.929	0.853	1.011	-0.074	-0.159	0.011
80602.	A	0.933	0.850	1.023	-0.070	-0.163	0.023
80681.	A	1.011	0.927	1.101	0.011	-0.075	0.096
80836.	A	1.190	1.092	1.297	0.174	0.088	0.260
I8SP2025	A	0.945	0.856	1.042	-0.057	-0.155	0.041
I8G1009	A	1.037	0.942	1.141	0.036	-0.060	0.132
I8NS2011	A	1.157	1.056	1.268	0.146	0.054	0.237
I8F2002	A	0.957	0.878	1.043	-0.044	-0.130	0.042
I8NS2017	A	1.129	1.033	1.234	0.122	0.033	0.210
I8SP4012	A	1.066	0.974	1.166	0.064	-0.026	0.153
I8SP1010	A	0.924	0.838	1.018	-0.079	-0.177	0.018
I8F2012	A	0.859	0.781	0.945	-0.152	-0.248	-0.056
I8F3006	A	0.810	0.746	0.880	-0.210	-0.292	-0.128
I8NS1056	A	0.949	0.865	1.041	-0.052	-0.145	0.040
I7G3019	A	0.873	0.761	1.002	-0.135	-0.273	0.002
I7RP2003	A	0.921	0.830	1.021	-0.083	-0.187	0.021
I7RP2005	A	0.986	0.905	1.073	-0.014	-0.099	0.071
I7NS3059	A	0.944	0.867	1.028	-0.057	-0.143	0.028
I7RP1047	A	0.974	0.893	1.063	-0.026	-0.113	0.061

Table 39: g8fall_sped

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE5003	A	0.858	0.787	0.935	-0.153	-0.239	-0.068
I8EE5005	A	0.949	0.872	1.033	-0.052	-0.137	0.032
I8EE4018	A	0.959	0.883	1.042	-0.042	-0.125	0.041
I8EE3024	B	1.551	1.422	1.692	0.439	0.352	0.526
I8EE7017	A	1.045	0.958	1.139	0.044	-0.043	0.131
I8EE4019	A	1.142	1.043	1.250	0.132	0.042	0.223
I8F3024	A	0.837	0.770	0.910	-0.178	-0.262	-0.094
I8F4034	A	1.062	0.969	1.163	0.060	-0.032	0.151
I8F2026	A	1.073	0.985	1.169	0.071	-0.015	0.157
I8G5001	A	0.874	0.795	0.960	-0.135	-0.229	-0.041
I8G6009	A	0.947	0.872	1.028	-0.055	-0.137	0.027
I8G5007	A	0.911	0.836	0.993	-0.093	-0.179	-0.007
I8G6008	A	1.042	0.956	1.137	0.042	-0.045	0.128
I8NS2010	A	1.175	1.080	1.279	0.161	0.077	0.246
I8NS1038	A	1.124	1.023	1.234	0.117	0.023	0.210
I8NS1011	A	1.044	0.957	1.138	0.043	-0.044	0.130
I8NS1072	A	0.972	0.893	1.057	-0.029	-0.113	0.055
I8NS1008	A	0.843	0.766	0.928	-0.171	-0.266	-0.075
I8NS1033	A	1.077	0.990	1.172	0.074	-0.010	0.159
I8NS2019	A	1.151	1.055	1.254	0.140	0.054	0.227
I8SP1012	A	1.135	1.041	1.238	0.127	0.040	0.213
I8SP1009	A	1.154	1.057	1.259	0.143	0.056	0.230
I8SP3036	A	0.954	0.872	1.044	-0.047	-0.137	0.043
I8SP3037	A	1.019	0.928	1.120	0.019	-0.075	0.113
I8SP1015	A	1.080	0.992	1.176	0.077	-0.008	0.162
80476.	A	0.865	0.780	0.960	-0.145	-0.248	-0.041
80692.	A	0.896	0.821	0.979	-0.109	-0.198	-0.021
80602.	A	0.891	0.809	0.981	-0.115	-0.212	-0.019
80681.	A	0.962	0.880	1.053	-0.038	-0.128	0.052
80836.	A	1.151	1.052	1.258	0.140	0.051	0.230
I8SP2025	A	1.022	0.923	1.131	0.022	-0.080	0.123
I8G1009	A	1.005	0.910	1.109	0.005	-0.094	0.104
I8NS2011	A	0.908	0.826	0.998	-0.097	-0.192	-0.002
I8F2002	A	0.941	0.861	1.029	-0.061	-0.150	0.029
I8NS2017	A	1.192	1.086	1.308	0.175	0.082	0.269
I8SP4012	A	0.949	0.865	1.041	-0.053	-0.146	0.040
I8SP1010	A	0.928	0.840	1.026	-0.075	-0.175	0.025
I8F2012	A	0.931	0.844	1.028	-0.071	-0.170	0.027
I8F3006	A	0.839	0.769	0.914	-0.176	-0.262	-0.090
I8NS1056	A	0.737	0.667	0.814	-0.305	-0.404	-0.206
I7G3019	B	0.645	0.564	0.739	-0.438	-0.574	-0.302
I7RP2003	A	0.812	0.730	0.902	-0.209	-0.314	-0.103
I7RP2005	A	0.974	0.891	1.065	-0.026	-0.115	0.063
I7NS3059	A	0.986	0.902	1.078	-0.014	-0.103	0.075
I7RP1047	A	0.944	0.861	1.034	-0.058	-0.149	0.033

Table 40: g8spring_ell

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE3019	A	0.968	0.872	1.074	-0.033	-0.137	0.071
I8EE6010	A	1.222	1.102	1.354	0.200	0.097	0.303
I8EE1005	A	1.378	1.226	1.550	0.321	0.203	0.438
I8EE1002	A	0.972	0.872	1.082	-0.029	-0.137	0.079
I8F5024	A	0.984	0.832	1.163	-0.016	-0.184	0.151
I8F5034	A	1.252	1.096	1.430	0.225	0.092	0.358
I8F5023	A	1.107	0.967	1.268	0.102	-0.034	0.238
I8F3013	A	1.309	1.161	1.476	0.269	0.149	0.389
I8F1014	A	1.448	1.295	1.618	0.370	0.259	0.481
I8F1006	A	1.016	0.912	1.132	0.016	-0.092	0.124
I8F2035	A	1.042	0.934	1.162	0.041	-0.069	0.150
I8G1003	A	0.809	0.702	0.931	-0.212	-0.354	-0.071
I8G3020	A	1.116	0.999	1.248	0.110	-0.001	0.222
I8G5016	A	0.792	0.697	0.900	-0.233	-0.361	-0.105
I8G8017	A	0.953	0.857	1.060	-0.048	-0.154	0.058
I8G8013	A	1.002	0.903	1.113	0.002	-0.102	0.107
I8G7001	A	0.995	0.890	1.113	-0.005	-0.116	0.107
I8NS2018	A	1.328	1.135	1.553	0.284	0.127	0.440
I8NS1058	A	1.240	1.093	1.407	0.215	0.089	0.341
I8NS1004	A	0.735	0.664	0.814	-0.308	-0.409	-0.206
I8NS1051	A	1.284	1.136	1.452	0.250	0.127	0.373
I8SP1025	A	1.104	0.943	1.292	0.099	-0.058	0.256
I8SP3012	A	0.937	0.844	1.041	-0.065	-0.170	0.040
I8SP4026	A	0.894	0.795	1.005	-0.112	-0.229	0.005
I8SP3040	A	0.986	0.892	1.091	-0.014	-0.115	0.087
80322.	A	1.022	0.881	1.185	0.022	-0.126	0.170
80001.	A	0.835	0.743	0.938	-0.181	-0.297	-0.064
80018.	A	0.869	0.783	0.965	-0.141	-0.245	-0.036
80989.	A	1.062	0.944	1.195	0.060	-0.058	0.178
80025.	A	1.099	0.973	1.240	0.094	-0.027	0.215
I8SP2037	A	1.009	0.861	1.182	0.009	-0.150	0.168
I8G6016	A	0.753	0.649	0.873	-0.284	-0.432	-0.136
I8SP4038	A	0.945	0.834	1.070	-0.057	-0.182	0.068
I8EE7001	A	1.038	0.925	1.163	0.037	-0.077	0.151
I8NS1026	A	1.186	1.024	1.374	0.171	0.023	0.318
I8G5003	A	1.010	0.880	1.158	0.010	-0.127	0.147
I8G4010	A	1.327	1.146	1.538	0.283	0.136	0.430
I8NS2020	A	1.037	0.904	1.190	0.036	-0.101	0.174
I8NS2090	A	1.132	0.991	1.294	0.124	-0.009	0.258
I8SP3030	B	0.628	0.559	0.706	-0.465	-0.582	-0.348
I7RP2050	A	0.760	0.615	0.938	-0.275	-0.486	-0.064
I7RP1003	A	0.724	0.640	0.820	-0.322	-0.446	-0.198
I7NS2041	A	1.060	0.918	1.224	0.058	-0.085	0.202
I7NS3003	A	0.918	0.823	1.024	-0.086	-0.195	0.023
I7RP3006	A	0.978	0.878	1.090	-0.022	-0.130	0.086

Table 41: g8spring_female

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE3019	A	0.893	0.813	0.981	-0.113	-0.207	-0.019
I8EE6010	A	0.912	0.831	1.000	-0.092	-0.185	0.000
I8EE1005	A	0.984	0.888	1.091	-0.016	-0.119	0.087
I8EE1002	A	1.143	1.037	1.260	0.134	0.036	0.231
I8F5024	A	0.986	0.850	1.145	-0.014	-0.163	0.135
I8F5034	A	0.946	0.842	1.062	-0.056	-0.171	0.060
I8F5023	A	0.977	0.868	1.101	-0.023	-0.142	0.096
I8F3013	A	1.403	1.263	1.558	0.338	0.234	0.443
I8F1014	A	1.141	1.035	1.257	0.132	0.035	0.228
I8F1006	A	0.969	0.880	1.068	-0.031	-0.128	0.066
I8F2035	A	0.909	0.824	1.003	-0.095	-0.193	0.003
I8G1003	A	1.017	0.895	1.155	0.017	-0.110	0.144
I8G3020	A	0.818	0.741	0.904	-0.201	-0.300	-0.101
I8G5016	A	1.112	0.991	1.247	0.106	-0.009	0.221
I8G8017	A	1.041	0.946	1.145	0.040	-0.055	0.136
I8G8013	A	1.021	0.930	1.121	0.021	-0.073	0.114
I8G7001	A	0.955	0.865	1.056	-0.046	-0.146	0.054
I8NS2018	A	1.076	0.943	1.228	0.074	-0.058	0.206
I8NS1058	A	1.155	1.034	1.290	0.144	0.034	0.254
I8NS1004	A	0.891	0.813	0.977	-0.115	-0.207	-0.023
I8NS1051	A	1.087	0.976	1.210	0.083	-0.024	0.190
I8SP1025	A	0.834	0.727	0.956	-0.182	-0.318	-0.045
I8SP3012	A	0.893	0.812	0.981	-0.114	-0.208	-0.019
I8SP4026	A	0.953	0.859	1.059	-0.048	-0.152	0.057
I8SP3040	A	1.060	0.968	1.161	0.059	-0.032	0.150
80322.	A	1.256	1.102	1.430	0.228	0.097	0.358
80001.	A	0.749	0.675	0.832	-0.289	-0.393	-0.184
80018.	A	1.110	1.010	1.219	0.104	0.010	0.198
80989.	A	1.047	0.943	1.162	0.046	-0.059	0.150
80025.	A	1.203	1.081	1.339	0.185	0.078	0.292
I8SP2037	A	1.102	0.958	1.266	0.097	-0.043	0.236
I8G6016	A	1.006	0.880	1.151	0.006	-0.128	0.141
I8SP4038	A	1.095	0.979	1.225	0.091	-0.021	0.203
I8EE7001	A	1.049	0.948	1.162	0.048	-0.053	0.150
I8NS1026	A	1.214	1.069	1.378	0.194	0.067	0.321
I8G5003	A	0.953	0.844	1.077	-0.048	-0.169	0.074
I8G4010	A	1.293	1.140	1.465	0.257	0.131	0.382
I8NS2020	A	1.142	1.012	1.288	0.132	0.012	0.253
I8NS2090	A	1.200	1.067	1.350	0.183	0.065	0.300
I8SP3030	A	0.851	0.767	0.943	-0.162	-0.265	-0.058
I7RP2050	B	1.533	1.264	1.859	0.427	0.234	0.620
I7RP1003	A	0.745	0.666	0.833	-0.295	-0.407	-0.183
I7NS2041	A	1.292	1.139	1.465	0.256	0.130	0.382
I7NS3003	A	0.935	0.847	1.032	-0.067	-0.166	0.032
I7RP3006	A	0.706	0.640	0.779	-0.348	-0.446	-0.249

Table 42: g8spring_hispanic

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE3019	A	0.895	0.812	0.987	-0.111	-0.209	-0.013
I8EE6010	A	1.199	1.088	1.321	0.181	0.084	0.279
I8EE1005	A	1.421	1.274	1.584	0.351	0.242	0.460
I8EE1002	A	1.093	0.986	1.211	0.089	-0.014	0.191
I8F5024	A	0.935	0.800	1.093	-0.067	-0.223	0.089
I8F5034	A	1.210	1.071	1.366	0.190	0.068	0.312
I8F5023	A	1.084	0.956	1.228	0.080	-0.045	0.205
I8F3013	A	1.282	1.147	1.433	0.249	0.138	0.360
I8F1014	A	1.189	1.074	1.316	0.173	0.071	0.275
I8F1006	A	0.990	0.895	1.096	-0.010	-0.111	0.092
I8F2035	A	1.134	1.023	1.257	0.125	0.022	0.229
I8G1003	A	0.868	0.760	0.992	-0.141	-0.274	-0.008
I8G3020	A	1.109	0.999	1.231	0.104	-0.001	0.208
I8G5016	A	0.864	0.765	0.974	-0.147	-0.267	-0.026
I8G8017	A	1.000	0.904	1.106	0.000	-0.101	0.101
I8G8013	A	0.920	0.833	1.015	-0.084	-0.183	0.015
I8G7001	A	0.931	0.838	1.034	-0.071	-0.176	0.034
I8NS2018	A	1.188	1.033	1.367	0.172	0.032	0.312
I8NS1058	A	1.201	1.069	1.349	0.183	0.067	0.300
I8NS1004	A	0.797	0.724	0.878	-0.277	-0.323	-0.130
I8NS1051	A	1.306	1.166	1.463	0.267	0.153	0.381
I8SP1025	A	1.167	1.012	1.347	0.155	0.012	0.298
I8SP3012	A	0.933	0.845	1.031	-0.069	-0.168	0.030
I8SP4026	A	0.834	0.747	0.932	-0.181	-0.291	-0.071
I8SP3040	A	0.984	0.894	1.083	-0.016	-0.112	0.080
80322.	A	1.102	0.959	1.266	0.097	-0.042	0.236
80001.	A	0.897	0.804	1.000	-0.109	-0.218	0.000
80018.	A	0.932	0.845	1.029	-0.070	-0.169	0.290
80989.	A	0.898	0.804	1.003	-0.108	-0.218	0.003
80025.	A	1.098	0.980	1.230	0.094	-0.020	0.207
I8SP2037	A	0.923	0.798	1.067	-0.080	-0.226	0.065
I8G6016	A	0.772	0.671	0.889	-0.258	-0.399	-0.118
I8SP4038	A	0.978	0.869	1.100	-0.023	-0.140	0.095
I8EE7001	A	0.924	0.830	1.028	-0.079	-0.186	0.027
I8NS1026	A	1.313	1.148	1.503	0.272	0.138	0.407
I8G5003	A	1.014	0.893	1.152	0.014	-0.113	0.141
I8G4010	A	1.078	0.945	1.230	0.075	-0.057	0.207
I8NS2020	A	1.035	0.911	1.176	0.034	-0.093	0.162
I8NS2090	A	1.102	0.974	1.247	0.097	-0.027	0.221
I8SP3030	A	0.824	0.739	0.919	-0.193	-0.302	-0.084
I7RP2050	A	0.934	0.767	1.139	-0.068	-0.266	0.130
I7RP1003	A	0.763	0.679	0.857	-0.271	-0.388	-0.154
I7NS2041	A	0.874	0.767	0.997	-0.134	-0.265	-0.003
I7NS3003	A	0.877	0.790	0.974	-0.131	-0.236	-0.027
I7RP3006	A	1.097	0.989	1.217	0.093	-0.011	0.196

Table 43: g8spring_nonwhite

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE3019	A	0.921	0.838	1.013	-0.082	-0.176	0.013
I8EE6010	A	1.207	1.099	1.326	0.188	0.095	0.282
I8EE1005	A	1.436	1.293	1.594	0.362	0.257	0.466
I8EE1002	A	1.079	0.977	1.190	0.076	-0.023	0.174
I8F5024	A	0.887	0.763	1.030	-0.120	-0.270	0.030
I8F5034	A	1.040	0.926	1.168	0.039	-0.077	0.156
I8F5023	A	0.951	0.843	1.073	-0.050	-0.170	0.071
I8F3013	A	1.344	1.209	1.495	0.296	0.190	0.402
I8F1014	A	1.117	1.013	1.232	0.111	0.013	0.209
I8F1006	A	1.025	0.929	1.130	0.024	-0.073	0.122
I8F2035	A	1.067	0.966	1.178	0.065	-0.034	0.164
I8G1003	A	0.890	0.783	1.012	-0.116	-0.245	0.012
I8G3020	A	1.084	0.981	1.198	0.081	-0.019	0.181
I8G5016	A	0.843	0.750	0.947	-0.171	-0.288	-0.054
I8G8017	A	1.046	0.950	1.152	0.045	-0.051	0.142
I8G8013	A	0.944	0.859	1.038	-0.057	-0.152	0.037
I8G7001	A	0.994	0.899	1.100	-0.006	-0.106	0.095
I8NS2018	A	1.188	1.040	1.358	0.173	0.039	0.306
I8NS1058	A	1.029	0.920	1.150	0.029	-0.083	0.140
I8NS1004	A	0.837	0.763	0.919	-0.178	-0.270	-0.085
I8NS1051	A	1.281	1.149	1.428	0.248	0.139	0.356
I8SP1025	A	1.037	0.904	1.189	0.036	-0.101	0.173
I8SP3012	A	0.925	0.841	1.017	-0.078	-0.174	0.017
I8SP4026	A	0.879	0.791	0.977	-0.129	-0.235	-0.023
I8SP3040	A	1.105	1.009	1.212	0.100	0.008	0.192
80322.	A	0.951	0.834	1.085	-0.050	-0.181	0.082
80001.	A	0.791	0.712	0.879	-0.234	-0.340	-0.129
80018.	A	0.944	0.859	1.038	-0.057	-0.152	0.037
80989.	A	1.001	0.900	1.112	0.001	-0.105	0.106
80025.	A	1.071	0.961	1.194	0.069	-0.039	0.177
I8SP2037	A	0.923	0.802	1.061	-0.080	-0.220	0.059
I8G6016	A	0.817	0.714	0.936	-0.202	-0.337	-0.066
I8SP4038	A	0.958	0.856	1.073	-0.042	-0.155	0.071
I8EE7001	A	0.976	0.881	1.081	-0.024	-0.127	0.078
I8NS1026	A	1.036	0.912	1.177	0.036	-0.092	0.163
I8G5003	A	0.990	0.876	1.118	-0.010	-0.132	0.112
I8G4010	A	0.977	0.862	1.108	-0.023	-0.149	0.103
I8NS2020	A	0.978	0.866	1.105	-0.022	-0.144	0.100
I8NS2090	A	1.003	0.891	1.129	0.003	-0.115	0.121
I8SP3030	A	0.795	0.717	0.882	-0.229	-0.333	-0.126
I7RP2050	A	0.765	0.633	0.924	-0.268	-0.458	-0.079
I7RP1003	A	0.805	0.719	0.901	-0.217	-0.330	-0.105
I7NS2041	A	1.006	0.887	1.140	0.006	-0.120	0.131
I7NS3003	A	1.015	0.919	1.122	0.015	-0.085	0.115
I7RP3006	A	1.028	0.932	1.134	0.028	-0.070	0.126

Table 44: g8spring_sped

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE3019	A	0.926	0.840	1.022	-0.076	-0.174	0.022
I8EE6010	A	1.124	1.019	1.239	0.117	0.019	0.214
I8EE1005	A	1.219	1.093	1.360	0.198	0.089	0.308
I8EE1002	A	1.115	1.006	1.235	0.109	0.006	0.211
I8F5024	A	0.849	0.729	0.989	-0.163	-0.316	-0.011
I8F5034	A	1.075	0.952	1.213	0.072	-0.049	0.193
I8F5023	A	0.942	0.832	1.066	-0.060	-0.184	0.064
I8F3013	A	0.994	0.891	1.110	-0.006	-0.115	0.104
I8F1014	A	1.236	1.115	1.371	0.212	0.109	0.315
I8F1006	A	1.073	0.969	1.188	0.070	-0.031	0.172
I8F2035	A	1.022	0.922	1.133	0.022	-0.081	0.125
I8G1003	A	0.830	0.729	0.945	-0.186	-0.316	-0.056
I8G3020	A	1.018	0.917	1.129	0.018	-0.087	0.122
I8G5016	A	0.722	0.641	0.812	-0.326	-0.444	-0.208
I8G8017	A	0.939	0.850	1.037	-0.063	-0.163	0.037
I8G8013	A	1.078	0.976	1.189	0.075	-0.024	0.173
I8G7001	A	0.883	0.795	0.982	-0.124	-0.229	-0.019
I8NS2018	A	0.995	0.867	1.141	-0.005	-0.142	0.132
I8NS1058	A	1.136	1.011	1.276	0.127	0.011	0.244
I8NS1004	A	0.804	0.731	0.885	-0.218	-0.314	-0.122
I8NS1051	A	1.291	1.151	1.448	0.255	0.141	0.370
I8SP1025	A	1.098	0.952	1.266	0.094	-0.049	0.236
I8SP3012	A	1.004	0.909	1.108	0.004	-0.095	0.103
I8SP4026	A	0.990	0.888	1.105	-0.010	-0.119	0.100
I8SP3040	A	0.998	0.907	1.099	-0.002	-0.097	0.094
80322.	A	0.950	0.831	1.086	-0.051	-0.185	0.083
80001.	A	0.888	0.797	0.990	-0.119	-0.227	-0.010
80018.	A	0.900	0.816	0.993	-0.105	-0.203	-0.007
80989.	A	1.036	0.928	1.157	0.035	-0.075	0.146
80025.	A	0.965	0.863	1.080	-0.036	-0.148	0.077
I8SP2037	A	1.106	0.955	1.281	0.101	-0.046	0.248
I8G6016	A	0.826	0.720	0.948	-0.191	-0.328	-0.053
I8SP4038	A	0.910	0.810	1.022	-0.095	-0.211	0.022
I8EE7001	A	1.073	0.964	1.195	0.070	-0.037	0.178
I8NS1026	A	0.950	0.833	1.085	-0.051	-0.183	0.082
I8G5003	A	0.985	0.868	1.117	-0.015	-0.142	0.111
I8G4010	A	1.110	0.972	1.266	0.104	-0.028	0.236
I8NS2020	A	1.153	1.015	1.310	0.142	0.015	0.270
I8NS2090	A	1.097	0.969	1.241	0.092	-0.031	0.216
I8SP3030	A	0.674	0.604	0.752	-0.394	-0.504	-0.284
I7RP2050	A	0.722	0.597	0.873	-0.326	-0.516	-0.136
I7RP1003	A	0.714	0.636	0.801	-0.337	-0.452	-0.222
I7NS2041	A	1.071	0.939	1.221	0.068	-0.063	0.200
I7NS3003	A	1.013	0.913	1.124	0.013	-0.091	0.117
I7RP3006	A	1.058	0.954	1.172	0.056	-0.047	0.159

Table 45: g8winter_ell_round1

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE2002	C	1.996	1.714	2.325	0.691	0.539	0.844
I8EE1016	A	0.943	0.847	1.050	-0.059	-0.166	0.048
I8EE5005	A	0.697	0.631	0.770	-0.361	-0.460	-0.261
I8EE6001	A	0.858	0.778	0.945	-0.153	-0.250	-0.056
I8EE5024	A	0.723	0.655	0.799	-0.324	-0.424	-0.225
I8EE3017	B	1.554	1.398	1.727	0.441	0.335	0.546
I8F5024	A	1.075	0.925	1.249	0.072	-0.078	0.220
I8F3024	A	0.827	0.747	0.916	-0.190	-0.292	-0.088
I8F1025	A	1.256	1.123	1.404	0.228	0.116	0.339
I8F5023	A	1.098	0.974	1.238	0.093	-0.027	0.213
I8F1006	A	0.871	0.789	0.961	-0.138	-0.237	-0.040
I8F5008	A	0.925	0.840	1.018	-0.078	-0.174	0.018
I8G2019	A	1.080	0.955	1.220	0.077	-0.046	0.199
I8G3020	A	1.162	1.048	1.288	0.150	0.047	0.253
I8G7013	A	1.191	1.073	1.323	0.175	0.070	0.280
I8G7008	A	1.061	0.962	1.170	0.059	-0.039	0.157
I8G8013	A	1.317	1.191	1.455	0.275	0.175	0.375
I8NS2010	B	1.552	1.399	1.722	0.440	0.336	0.544
I8NS2012	B	1.684	1.501	1.889	0.521	0.406	0.636
I8NS1033	A	1.101	0.998	1.215	0.096	-0.002	0.195
I8SP1045	A	0.854	0.756	0.965	-0.158	-0.280	-0.036
I8SP3009	A	0.796	0.713	0.890	-0.228	-0.338	-0.117
I8SP1002	A	0.995	0.900	1.100	-0.005	-0.105	0.095
I8SP3002	B	0.644	0.580	0.716	-0.440	-0.545	-0.334
I8SP1015	A	0.778	0.704	0.858	-0.252	-0.350	-0.153
80994.	A	1.398	1.249	1.566	0.335	0.222	0.448
80396.	A	1.100	0.983	1.230	0.095	-0.017	0.207
80841.	A	1.014	0.904	1.137	0.014	-0.101	0.128
80393.	B	1.542	1.393	1.706	0.433	0.332	0.534
80922.	B	0.528	0.476	0.586	-0.639	-0.742	-0.535
I8SP1003	A	0.850	0.741	0.974	-0.163	-0.299	-0.026
I8SP1032	B	0.598	0.538	0.663	-0.515	-0.619	-0.410
I8NS1013	A	0.934	0.841	1.038	-0.068	-0.174	0.037
I8G1018	A	1.116	0.988	1.261	0.110	-0.012	0.232
I8NS1063	A	1.459	1.296	1.642	0.377	0.259	0.496
I8SP4003	A	0.932	0.813	1.069	-0.070	-0.206	0.067
I8SP4007	A	0.916	0.792	1.059	-0.088	-0.233	0.057
I8NS1024	A	1.385	1.224	1.567	0.326	0.202	0.449
I8G9014	A	1.381	1.243	1.535	0.323	0.217	0.428
I8NS1003	A	0.814	0.724	0.914	-0.206	-0.323	-0.089
I7G3022	A	1.047	0.871	1.258	0.046	-0.138	0.229
I7NS2033	A	1.103	0.962	1.263	0.098	-0.038	0.234
I7SP3002	A	1.098	0.984	1.226	0.094	-0.017	0.204
I7NS1027	A	0.824	0.734	0.926	-0.194	-0.310	-0.077
I7SP6004	A	1.020	0.915	1.136	0.019	-0.089	0.127

Table 46: g8winter_ell_round2

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE2002	C	1.994	1.716	2.318	0.690	0.540	0.841
I8EE1016	A	0.956	0.859	1.065	-0.045	-0.152	0.063
I8EE5005	A	0.701	0.634	0.774	-0.356	-0.455	-0.256
I8EE6001	A	0.864	0.784	0.953	-0.146	-0.243	-0.049
I8EE5024	A	0.727	0.658	0.804	-0.318	-0.418	-0.219
I8EE3017	B	1.559	1.403	1.733	0.444	0.338	0.550
I8F5024	A	1.087	0.935	1.263	0.083	-0.067	0.234
I8F3024	A	0.830	0.749	0.919	-0.187	-0.288	-0.085
I8F1025	A	1.264	1.130	1.413	0.234	0.122	0.346
I8F5023	A	1.106	0.981	1.247	0.101	-0.019	0.221
I8F1006	A	0.877	0.795	0.968	-0.131	-0.230	-0.033
I8F5008	A	0.924	0.840	1.017	-0.079	-0.175	0.017
I8G2019	A	1.090	0.964	1.232	0.086	-0.037	0.209
I8G3020	A	1.174	1.059	1.301	0.160	0.057	0.263
I8G7013	A	1.206	1.086	1.339	0.187	0.082	0.292
I8G7008	A	1.059	0.960	1.168	0.058	-0.040	0.156
I8G8013	A	1.321	1.195	1.460	0.278	0.178	0.379
I8NS2010	B	1.563	1.409	1.734	0.446	0.343	0.550
I8NS2012	B	1.698	1.514	1.904	0.529	0.415	0.644
I8NS1033	A	1.107	1.003	1.221	0.101	0.003	0.199
I8SP1045	A	0.860	0.761	0.972	-0.150	-0.273	-0.028
I8SP3009	A	0.803	0.719	0.897	-0.219	-0.329	-0.108
I8SP1002	A	0.998	0.903	1.103	-0.002	-0.102	0.098
I8SP3002	B	0.648	0.583	0.720	-0.434	-0.539	-0.328
I8SP1015	A	0.779	0.706	0.860	-0.249	-0.348	-0.150
80994.	A	1.410	1.260	1.579	0.344	0.231	0.457
80396.	A	1.116	0.998	1.248	0.110	-0.002	0.222
80841.	A	1.028	0.917	1.153	0.028	-0.087	0.143
80393.	B	1.551	1.402	1.716	0.439	0.338	0.540
80922.	B	0.531	0.479	0.589	-0.632	-0.736	-0.529
I8SP1003	A	0.861	0.752	0.987	-0.149	-0.286	-0.013
I8SP1032	B	0.604	0.544	0.670	-0.504	-0.609	-0.400
I8NS1013	A	0.941	0.847	1.046	-0.061	-0.166	0.045
I8G1018	A	1.134	1.003	1.281	0.125	0.003	0.247
I8NS1063	A	1.471	1.307	1.656	0.386	0.268	0.504
I8SP4003	A	0.952	0.830	1.092	-0.049	-0.186	0.088
I8SP4007	A	0.927	0.802	1.072	-0.076	-0.221	0.070
I8NS1024	A	1.406	1.243	1.591	0.341	0.218	0.464
I8G9014	A	1.387	1.248	1.541	0.327	0.222	0.433
I8NS1003	A	0.816	0.726	0.917	-0.203	-0.320	-0.086
I7G3022	A	1.057	0.879	1.270	0.055	-0.129	0.239
I7NS2033	A	1.112	0.971	1.274	0.107	-0.029	0.243
I7SP3002	A	1.108	0.993	1.237	0.103	-0.007	0.213
I7NS1027	A	0.839	0.747	0.942	-0.176	-0.292	-0.060
I7SP6004	A	1.031	0.926	1.149	0.031	-0.077	0.139

Table 47: g8winter_female

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE2002	A	1.146	1.018	1.291	0.137	0.018	0.256
I8EE1016	A	0.955	0.868	1.051	-0.046	-0.141	0.050
I8EE5005	A	0.987	0.904	1.078	-0.013	-0.101	0.075
I8EE6001	A	1.077	0.988	1.174	0.074	-0.012	0.161
I8EE5024	A	1.019	0.934	1.113	0.019	-0.069	0.107
I8EE3017	A	0.856	0.778	0.941	-0.156	-0.251	-0.060
I8F5024	A	0.996	0.874	1.135	-0.004	-0.134	0.126
I8F3024	A	1.196	1.092	1.310	0.179	0.088	0.270
I8F1025	A	0.797	0.723	0.878	-0.227	-0.324	-0.130
I8F5023	A	1.015	0.915	1.127	0.015	-0.089	0.120
I8F1006	A	1.013	0.929	1.105	0.013	-0.074	0.100
I8F5008	A	1.058	0.972	1.151	0.056	-0.028	0.140
I8G2019	A	0.990	0.889	1.102	-0.010	-0.117	0.097
I8G3020	A	0.920	0.841	1.006	-0.084	-0.173	0.006
I8G7013	A	0.844	0.771	0.925	-0.169	-0.261	-0.078
I8G7008	A	0.825	0.757	0.899	-0.192	-0.279	-0.106
I8G8013	A	0.977	0.894	1.067	-0.024	-0.112	0.065
I8NS2010	A	1.029	0.942	1.123	0.028	-0.060	0.116
I8NS2012	A	1.118	1.016	1.230	0.111	0.016	0.207
I8NS1033	A	1.170	1.074	1.275	0.157	0.071	0.243
I8SP1045	A	0.997	0.895	1.112	-0.003	-0.111	0.106
I8SP3009	A	1.197	1.085	1.321	0.180	0.081	0.278
I8SP1002	A	0.834	0.764	0.910	-0.182	-0.269	-0.094
I8SP3002	A	0.910	0.831	0.997	-0.094	-0.186	-0.003
I8SP1015	A	0.848	0.779	0.924	-0.164	-0.250	-0.079
80994.	A	0.941	0.855	1.035	-0.061	-0.156	0.035
80396.	A	0.979	0.889	1.079	-0.021	-0.118	0.076
80841.	A	0.889	0.804	0.982	-0.118	-0.218	-0.018
80393.	A	1.123	1.028	1.226	0.116	0.028	0.204
80922.	A	1.097	1.004	1.199	0.093	0.004	0.182
I8SP1003	A	1.419	1.256	1.603	0.350	0.228	0.472
I8SP1032	A	0.781	0.711	0.857	-0.247	-0.341	-0.154
I8NS1013	A	0.930	0.848	1.021	-0.072	-0.165	0.021
I8G1018	A	1.187	1.069	1.318	0.171	0.067	0.276
I8NS1063	A	1.129	1.022	1.249	0.122	0.021	0.222
I8SP4003	A	1.052	0.933	1.186	0.051	-0.070	0.171
I8SP4007	A	1.435	1.264	1.631	0.361	0.234	0.489
I8NS1024	A	1.083	0.976	1.202	0.080	-0.024	0.184
I8G9014	A	1.303	1.191	1.426	0.265	0.175	0.355
I8NS1003	A	0.851	0.769	0.942	-0.161	-0.262	-0.060
I7G3022	A	1.306	1.112	1.533	0.267	0.106	0.427
I7NS2033	A	1.175	1.045	1.322	0.161	0.044	0.279
I7SP3002	A	1.238	1.126	1.362	0.214	0.119	0.309
I7NS1027	A	1.067	0.964	1.182	0.065	-0.036	0.167
I7SP6004	B	0.648	0.588	0.713	-0.435	-0.531	-0.339

Table 48: g8winter_hispanic

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE2002	A	1.310	1.156	1.485	0.270	0.145	0.395
I8EE1016	A	0.774	0.701	0.855	-0.256	-0.356	-0.157
I8EE5005	A	0.998	0.910	1.094	-0.002	-0.094	0.090
I8EE6001	A	1.132	1.034	1.239	0.124	0.033	0.214
I8EE5024	A	0.945	0.862	1.035	-0.057	-0.148	0.035
I8EE3017	A	1.085	0.983	1.198	0.082	-0.017	0.180
I8F5024	A	1.124	0.980	1.289	0.117	-0.020	0.254
I8F3024	A	1.162	1.056	1.279	0.150	0.055	0.246
I8F1025	A	0.984	0.890	1.088	-0.016	-0.117	0.085
I8F5023	A	1.044	0.936	1.165	0.043	-0.066	0.153
I8F1006	A	1.089	0.995	1.193	0.085	-0.005	0.176
I8F5008	A	1.084	0.992	1.184	0.080	-0.008	0.169
I8G2019	A	1.148	1.026	1.284	0.138	0.026	0.250
I8G3020	A	1.106	1.007	1.215	0.101	0.007	0.194
I8G7013	A	1.125	1.022	1.238	0.118	0.022	0.213
I8G7008	A	0.954	0.871	1.044	-0.048	-0.138	0.043
I8G8013	A	1.043	0.950	1.144	0.042	-0.051	0.135
I8NS2010	A	1.096	0.999	1.203	0.092	-0.001	0.185
I8NS2012	A	1.208	1.091	1.336	0.189	0.088	0.290
I8NS1033	A	1.022	0.934	1.119	0.022	-0.068	0.112
I8SP1045	A	0.988	0.882	1.107	-0.012	-0.125	0.102
I8SP3009	A	0.988	0.891	1.095	-0.012	-0.116	0.091
I8SP1002	A	0.965	0.881	1.058	-0.035	-0.127	0.056
I8SP3002	A	0.809	0.735	0.890	-0.212	-0.309	-0.116
I8SP1015	A	0.796	0.727	0.871	-0.228	-0.319	-0.138
80994.	A	1.186	1.072	1.313	0.171	0.070	0.272
80396.	A	1.031	0.931	1.142	0.031	-0.072	0.133
80841.	A	0.987	0.889	1.096	-0.013	-0.118	0.092
80393.	A	1.105	1.008	1.212	0.100	0.008	0.192
80922.	A	0.798	0.726	0.876	-0.226	-0.320	-0.133
I8SP1003	A	0.996	0.877	1.132	-0.004	-0.131	0.124
I8SP1032	A	0.820	0.744	0.904	-0.198	-0.295	-0.101
I8NS1013	A	1.128	1.023	1.244	0.120	0.023	0.218
I8G1018	A	1.024	0.918	1.142	0.024	-0.086	0.133
I8NS1063	A	1.148	1.033	1.275	0.138	0.032	0.243
I8SP4003	A	1.054	0.929	1.195	0.052	-0.073	0.178
I8SP4007	A	1.016	0.890	1.159	0.016	-0.117	0.148
I8NS1024	A	1.029	0.922	1.148	0.029	-0.081	0.138
I8G9014	A	1.176	1.070	1.293	0.163	0.068	0.257
I8NS1003	A	0.758	0.681	0.844	-0.277	-0.384	-0.169
I7G3022	A	1.153	0.975	1.364	0.143	-0.025	0.310
I7NS2033	A	0.973	0.860	1.101	-0.027	-0.151	0.096
I7SP3002	A	1.083	0.980	1.197	0.080	-0.021	0.180
I7NS1027	A	0.913	0.821	1.015	-0.091	-0.198	0.015
I7SP6004	A	0.932	0.843	1.030	-0.070	-0.170	0.030

Table 49: g8winter_nonwhite

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE2002	A	1.519	1.348	1.713	0.418	0.298	0.538
I8EE1016	A	0.850	0.772	0.936	-0.163	-0.259	-0.066
I8EE5005	A	1.047	0.958	1.144	0.046	-0.043	0.134
I8EE6001	A	1.014	0.929	1.107	0.014	-0.074	0.101
I8EE5024	A	0.999	0.914	1.092	-0.001	-0.090	0.088
I8EE3017	A	1.040	0.945	1.145	0.040	-0.056	0.136
I8F5024	A	0.977	0.856	1.115	-0.023	-0.156	0.109
I8F3024	A	1.136	1.036	1.246	0.128	0.036	0.220
I8F1025	A	0.950	0.862	1.047	-0.052	-0.149	0.046
I8F5023	A	0.945	0.850	1.050	-0.057	-0.163	0.049
I8F1006	A	1.084	0.992	1.183	0.080	-0.008	0.168
I8F5008	A	1.097	1.008	1.195	0.093	0.008	0.178
I8G2019	A	1.132	1.016	1.262	0.124	0.016	0.232
I8G3020	A	1.080	0.987	1.182	0.077	-0.013	0.167
I8G7013	A	1.036	0.945	1.136	0.035	-0.057	0.128
I8G7008	A	0.893	0.818	0.974	-0.113	-0.200	-0.026
I8G8013	A	1.019	0.931	1.114	0.018	-0.071	0.108
I8NS2010	A	1.138	1.041	1.244	0.130	0.040	0.219
I8NS2012	A	1.301	1.181	1.434	0.263	0.166	0.360
I8NS1033	A	1.058	0.970	1.153	0.056	-0.030	0.143
I8SP1045	A	0.933	0.836	1.041	-0.070	-0.180	0.040
I8SP3009	A	0.972	0.880	1.073	-0.029	-0.128	0.071
I8SP1002	A	0.886	0.811	0.968	-0.121	-0.210	-0.033
I8SP3002	A	0.830	0.757	0.911	-0.186	-0.279	-0.094
I8SP1015	A	0.718	0.659	0.783	-0.331	-0.418	-0.244
80994.	A	1.155	1.049	1.272	0.144	0.047	0.240
80396.	A	1.103	1.000	1.216	0.098	0.000	0.196
80841.	A	0.963	0.871	1.065	-0.038	-0.138	0.063
80393.	A	1.130	1.034	1.235	0.122	0.034	0.211
80922.	A	0.877	0.801	0.960	-0.131	-0.221	-0.041
I8SP1003	A	0.917	0.811	1.037	-0.087	-0.209	0.036
I8SP1032	A	0.740	0.674	0.814	-0.301	-0.395	-0.206
I8NS1013	A	1.069	0.974	1.174	0.067	-0.026	0.161
I8G1018	A	1.108	0.997	1.231	0.103	-0.003	0.208
I8NS1063	A	1.093	0.988	1.209	0.089	-0.012	0.190
I8SP4003	A	0.918	0.813	1.036	-0.086	-0.207	0.036
I8SP4007	A	0.896	0.789	1.018	-0.110	-0.238	0.018
I8NS1024	A	1.076	0.969	1.195	0.074	-0.031	0.178
I8G9014	A	1.245	1.137	1.363	0.219	0.128	0.310
I8NS1003	A	0.838	0.757	0.928	-0.177	-0.279	-0.074
I7G3022	A	0.878	0.747	1.031	-0.131	-0.291	0.030
I7NS2033	A	1.050	0.933	1.182	0.049	-0.069	0.167
I7SP3002	A	0.999	0.907	1.099	-0.001	-0.097	0.095
I7NS1027	A	0.962	0.868	1.066	-0.039	-0.141	0.064
I7SP6004	A	0.951	0.863	1.046	-0.051	-0.147	0.045

Table 50: g8winter_sped

item	DIF.Grade	Alpha	Alpha_LB	Alpha_UB	Beta	Beta_LB	Beta_UB
I8EE2002	B	1.592	1.396	1.816	0.465	0.334	0.597
I8EE1016	A	0.953	0.861	1.054	-0.048	-0.149	0.052
I8EE5005	A	0.666	0.606	0.731	-0.406	-0.500	-0.313
I8EE6001	A	0.801	0.731	0.877	-0.222	-0.314	-0.131
I8EE5024	A	0.698	0.635	0.767	-0.360	-0.454	-0.265
I8EE3017	B	1.649	1.489	1.825	0.500	0.398	0.602
I8F5024	A	0.943	0.823	1.080	-0.059	-0.195	0.077
I8F3024	A	0.771	0.701	0.848	-0.260	-0.356	-0.164
I8F1025	A	1.105	0.997	1.226	0.100	-0.003	0.204
I8F5023	A	0.942	0.844	1.051	-0.060	-0.170	0.050
I8F1006	A	0.862	0.786	0.946	-0.148	-0.241	-0.056
I8F5008	A	0.911	0.832	0.998	-0.093	-0.184	-0.002
I8G2019	A	0.843	0.754	0.943	-0.170	-0.282	-0.059
I8G3020	A	1.101	1.000	1.212	0.096	0.000	0.193
I8G7013	A	1.158	1.050	1.278	0.147	0.049	0.245
I8G7008	A	1.166	1.063	1.278	0.153	0.061	0.246
I8G8013	A	1.281	1.165	1.409	0.248	0.153	0.343
I8NS2010	B	1.691	1.534	1.865	0.525	0.428	0.623
I8NS2012	A	1.486	1.338	1.652	0.396	0.291	0.502
I8NS1033	A	1.162	1.059	1.274	0.150	0.057	0.242
I8SP1045	A	0.760	0.679	0.850	-0.275	-0.387	-0.162
I8SP3009	A	0.776	0.700	0.860	-0.254	-0.356	-0.151
I8SP1002	A	0.941	0.857	1.034	-0.061	-0.155	0.033
I8SP3002	A	0.732	0.663	0.807	-0.313	-0.410	-0.215
I8SP1015	A	0.826	0.753	0.906	-0.191	-0.284	-0.099
80994.	A	1.288	1.160	1.429	0.253	0.149	0.357
80396.	A	1.186	1.068	1.318	0.171	0.066	0.276
80841.	A	1.048	0.942	1.167	0.047	-0.060	0.154
80393.	B	1.531	1.391	1.685	0.426	0.330	0.522
80922.	B	0.557	0.506	0.613	-0.586	-0.682	-0.490
I8SP1003	A	0.832	0.734	0.943	-0.184	-0.310	-0.059
I8SP1032	B	0.628	0.570	0.693	-0.465	-0.563	-0.367
I8NS1013	A	0.943	0.854	1.041	-0.059	-0.158	0.040
I8G1018	A	1.193	1.065	1.336	0.176	0.063	0.290
I8NS1063	A	1.259	1.129	1.404	0.230	0.121	0.339
I8SP4003	A	0.895	0.791	1.014	-0.111	-0.235	0.014
I8SP4007	A	0.891	0.781	1.016	-0.116	-0.247	0.016
I8NS1024	A	1.385	1.236	1.552	0.326	0.212	0.440
I8G9014	A	1.297	1.175	1.431	0.260	0.161	0.358
I8NS1003	A	0.918	0.823	1.024	-0.086	-0.195	0.023
I7G3022	A	0.882	0.749	1.039	-0.126	-0.289	0.038
I7NS2033	A	1.000	0.884	1.131	0.000	-0.124	0.123
I7SP3002	A	1.144	1.033	1.268	0.135	0.032	0.237
I7NS1027	A	0.720	0.647	0.802	-0.328	-0.435	-0.220
I7SP6004	A	1.043	0.941	1.155	0.042	-0.061	0.144

References

Anderson, D., Irvin, P. S., Alonzo, J., & Tindal, G. (2012a). *The alignment of the easyCBM middle school mathematics cCSS measures to the common core state standards (technical report no. 1208)* (Report). Behavioral Research; Teaching, University of Oregon.

Anderson, D., Irvin, P. S., Patarapichayatham, C., Alonzo, J., & Tindal, G. (2012b). *The development and scaling of the easyCBM cCSS middle school mathematics measures (technical report no. 1207)* (Report). Behavioral Research; Teaching, University of Oregon.

Anderson, D., Kahn, J. D., Alonzo, J., & Tindal, G. (2015). Exploring the item factor structure of a cCSS-aligned middle school mathematics cBM. Conference Paper.

Anderson, D., Rowley, B., Alonzo, J., & Tindal, G. (2014). Criterion validity evidence for the easyCBM cCSS math measure: Grades 6-8 (technical report no. 1402). eugene, oR: Behavioral research and teaching, university of oregon. Journal Article.

Dorans, N. J., & Holland, P. W. (1993). DIF detection and description: Mantel-haenszel and standardization. In P. W. Holland & H. Wainer (Eds.), *Differential item functioning* (pp. 35–66). Book Section, Hillsdale, NJ: Erlbaum.

Wray, K. A., Alonzo, J., & Tindal, G. (2014). Internal consistency of the easyCBM cCSS math measures grades k-8 (technical report no. 1405). eugene, oR: Behavioral research and teaching, university of oregon. Journal Article.