**MI: 09.01\_measurement\_intercepts**

**Truancy:**

MODEL MODIFICATION INDICES

NOTE: Modification indices for direct effects of observed dependent variables

regressed on covariates may not be included. To include these, request

MODINDICES (ALL).

MODEL FIT INFORMATION

Number of Free Parameters 142

Loglikelihood

H0 Value -252087.198

H0 Scaling Correction Factor 1.3795

for MLR

H1 Value -250696.552

H1 Scaling Correction Factor 1.1975

for MLR

Information Criteria

Akaike (AIC) 504458.396

Bayesian (BIC) 505650.912

Sample-Size Adjusted BIC 505199.637

(n\* = (n + 2) / 24)

Chi-Square Test of Model Fit

Value 2589.891\*

Degrees of Freedom 209

P-Value 0.0000

Scaling Correction Factor 1.0739

for MLR

Chi-Square Contribution From Each Group

1 247.959

2 157.548

3 484.920

4 310.306

5 433.761

6 335.589

7 196.604

8 232.703

9 190.501

\* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used

for chi-square difference testing in the regular way. MLM, MLR and WLSM

chi-square difference testing is described on the Mplus website. MLMV, WLSMV,

and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.056

90 Percent C.I. 0.054 0.058

Probability RMSEA <= .05 0.000

CFI/TLI

CFI 0.932

TLI 0.921

Chi-Square Test of Model Fit for the Baseline Model

Value 35105.311

Degrees of Freedom 243

P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.041

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MODEL FIT INFORMATION

Number of Free Parameters 156

Loglikelihood

H0 Value -251643.702

H0 Scaling Correction Factor 1.3557

for MLR

H1 Value -250696.552

H1 Scaling Correction Factor 1.1975

for MLR

Information Criteria

Akaike (AIC) 503599.404

Bayesian (BIC) 504909.492

Sample-Size Adjusted BIC 504413.726

(n\* = (n + 2) / 24)

Chi-Square Test of Model Fit

Value 1768.742\*

Degrees of Freedom 195

P-Value 0.0000

Scaling Correction Factor 1.0710

for MLR

Chi-Square Contribution From Each Group

1 150.162

2 124.675

3 297.358

4 279.505

5 209.611

6 272.800

7 149.054

8 153.228

9 132.349

\* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used

for chi-square difference testing in the regular way. MLM, MLR and WLSM

chi-square difference testing is described on the Mplus website. MLMV, WLSMV,

and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.047

90 Percent C.I. 0.045 0.049

Probability RMSEA <= .05 0.992

CFI/TLI

CFI 0.955

TLI 0.944

Chi-Square Test of Model Fit for the Baseline Model

Value 35105.311

Degrees of Freedom 243

P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.036

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Minimum M.I. value for printing the modification index 4.000

**M.I. E.P.C. Std E.P.C. StdYX E.P.C.**

Group 1

BY Statements

NEG BY C3 18.448 -0.083 -0.083 -0.074

NEG BY C5 34.815 0.119 0.119 0.099

POS BY C3 4.417 0.032 0.032 0.029

ON Statements

NEG ON GENDER 5.479 0.094 0.094 0.047

NEG ON SES 10.199 -0.043 -0.043 -0.064

POS ON TR\_AD 82.490 2.751 2.751 1.445

WITH Statements

C3 WITH C2 15.282 0.067 0.067 0.086

C4 WITH C2 5.349 0.039 0.039 0.063

C4 WITH C3 8.363 0.061 0.061 0.108

C5 WITH C1 4.234 -0.035 -0.035 -0.058

C5 WITH C2 18.891 -0.076 -0.076 -0.098

C5 WITH C4 8.103 -0.070 -0.070 -0.126

GENDER WITH NEG 5.075 0.023 0.023 0.046

SES WITH NEG 13.241 -0.109 -0.109 -0.074

Means/Intercepts/Thresholds

[ C1 ] 12.784 -0.024 -0.024 -0.020

[ C2 ] 12.017 0.044 0.044 0.035

[ C3 ] 5.792 0.031 0.031 0.027

[ C4 ] 71.409 0.062 0.062 0.052

[ C5 ] 130.724 -0.140 -0.140 -0.117

[ NEG ] 5.286 1.037 1.037 1.037

[ POS ] 130.935 6.203 6.203 6.203

Group 2

BY Statements

POS BY C1 42.243 -0.168 -0.167 -0.125

POS BY C2 42.333 0.148 0.147 0.114

POS BY C3 9.957 0.061 0.061 0.054

POS BY C4 19.277 -0.111 -0.110 -0.097

ON Statements

NEG ON SES 13.993 -0.049 -0.047 -0.084

POS ON TR\_AD 11.717 0.643 0.645 0.366

POS ON GENDER 4.562 0.089 0.090 0.045

POS ON SES 9.583 -0.036 -0.036 -0.065

TR\_AD ON TR\_AD 7.554 0.095 0.095 0.095

WITH Statements

C2 WITH C1 8.027 6.078 6.078 7.987

C3 WITH C2 14.559 0.071 0.071 0.093

C5 WITH C3 13.722 0.072 0.072 0.099

C5 WITH C4 22.436 -0.123 -0.123 -0.256

TR\_AD WITH NEG 7.570 -0.358 -0.336 -0.608

TR\_AD WITH POS 7.576 0.270 0.271 0.489

GENDER WITH POS 5.480 0.024 0.024 0.049

GENDER WITH TR\_AD 7.558 -0.021 -0.021 -0.075

SES WITH NEG 14.839 -0.165 -0.156 -0.086

SES WITH POS 10.497 -0.122 -0.122 -0.068

SES WITH TR\_AD 7.559 -0.095 -0.095 -0.095

Means/Intercepts/Thresholds

[ C1 ] 17.014 0.110 0.110 0.082

[ C2 ] 16.293 -0.093 -0.093 -0.072

[ C4 ] 4.224 0.038 0.038 0.034

[ C5 ] 18.410 -0.078 -0.078 -0.065

[ TR\_AD ] 7.549 0.109 0.109 0.192

Group 3

BY Statements

NEG BY C1 4.965 -0.381 -0.338 -0.286

NEG BY C2 4.851 0.332 0.294 0.232

NEG BY C3 19.921 -0.092 -0.082 -0.079

NEG BY C5 23.705 0.109 0.097 0.085

POS BY C1 48.173 -0.196 -0.180 -0.153

POS BY C2 48.299 0.173 0.159 0.125

POS BY C3 6.677 0.051 0.047 0.045

POS BY C4 9.105 -0.083 -0.076 -0.069

ON Statements

NEG ON TR\_AD 5.047 -0.768 -0.867 -0.438

NEG ON SES 23.014 -0.046 -0.052 -0.099

POS ON TR\_AD 8.320 0.876 0.954 0.482

TR\_AD ON TR\_AD 29.950 0.141 0.141 0.141

WITH Statements

C2 WITH C1 31.664 83.360 83.360 103.983

C3 WITH C2 31.867 0.092 0.092 0.115

C4 WITH C3 4.001 0.036 0.036 0.070

C5 WITH C1 31.992 -0.093 -0.093 -0.139

C5 WITH C4 7.973 -0.059 -0.059 -0.109

TR\_AD WITH NEG 28.544 -5.382 -6.073 -12.267

TR\_AD WITH POS 29.934 1.104 1.202 2.429

GENDER WITH TR\_AD 29.999 -0.031 -0.031 -0.124

SES WITH NEG 23.460 -0.168 -0.190 -0.099

SES WITH TR\_AD 29.995 -0.182 -0.182 -0.193

Means/Intercepts/Thresholds

[ C1 ] 149.348 0.286 0.286 0.243

[ C2 ] 143.890 -0.240 -0.240 -0.189

[ C4 ] 123.246 0.180 0.180 0.162

[ C5 ] 175.265 -0.205 -0.205 -0.179

[ TR\_AD ] 29.947 0.152 0.152 0.300

Group 4

BY Statements

NEG BY C1 4.941 0.109 0.099 0.097

NEG BY C2 4.969 -0.096 -0.087 -0.080

NEG BY C5 7.646 0.052 0.047 0.044

POS BY C1 8.966 0.070 0.063 0.062

POS BY C2 9.007 -0.062 -0.056 -0.051

ON Statements

NEG ON GENDER 29.682 -0.185 -0.204 -0.102

NEG ON SES 15.290 -0.053 -0.059 -0.073

POS ON GENDER 5.316 0.079 0.087 0.043

POS ON SES 21.944 -0.064 -0.071 -0.088

TR\_AD ON TR\_AD 42.375 0.208 0.208 0.208

WITH Statements

C2 WITH C1 32.866 -12.730 -12.730 -34.349

C4 WITH C2 8.363 0.035 0.035 0.078

C4 WITH C3 6.426 0.041 0.041 0.095

C5 WITH C2 24.986 -0.064 -0.064 -0.111

C5 WITH C3 7.051 -0.038 -0.038 -0.068

TR\_AD WITH NEG 41.930 0.849 0.934 2.192

TR\_AD WITH POS 42.272 -1.547 -1.705 -4.002

GENDER WITH NEG 28.406 -0.045 -0.050 -0.100

GENDER WITH POS 6.006 0.021 0.023 0.046

GENDER WITH TR\_AD 42.338 -0.045 -0.045 -0.209

SES WITH NEG 14.014 -0.079 -0.087 -0.070

SES WITH POS 22.611 -0.101 -0.112 -0.090

SES WITH TR\_AD 42.353 -0.083 -0.083 -0.156

Means/Intercepts/Thresholds

[ C3 ] 32.121 0.079 0.079 0.080

[ C4 ] 36.576 -0.096 -0.096 -0.089

[ TR\_AD ] 42.360 0.236 0.236 0.543

Group 5

BY Statements

NEG BY C4 5.159 -0.043 -0.038 -0.034

NEG BY C5 13.407 0.070 0.062 0.052

POS BY C1 11.294 0.068 0.064 0.059

POS BY C2 11.348 -0.060 -0.057 -0.049

POS BY C3 19.264 -0.065 -0.062 -0.059

POS BY C5 21.118 0.079 0.074 0.063

ON Statements

NEG ON TR\_AD 5.856 -1.412 -1.585 -0.622

NEG ON GENDER 57.490 -0.216 -0.243 -0.121

NEG ON SES 11.153 -0.034 -0.038 -0.053

POS ON TR\_AD 5.414 0.772 0.816 0.320

WITH Statements

C3 WITH C1 4.413 -0.024 -0.024 -0.047

C3 WITH C2 9.139 0.037 0.037 0.054

C4 WITH C1 5.176 0.027 0.027 0.065

C4 WITH C3 18.421 0.068 0.068 0.134

C5 WITH C2 33.578 -0.079 -0.079 -0.103

C5 WITH C3 26.759 -0.073 -0.073 -0.105

GENDER WITH NEG 57.190 -0.054 -0.060 -0.121

SES WITH NEG 10.748 -0.065 -0.074 -0.052

Means/Intercepts/Thresholds

[ C1 ] 27.135 0.091 0.091 0.083

[ C2 ] 27.581 -0.076 -0.076 -0.065

[ C3 ] 57.166 -0.093 -0.093 -0.088

[ C4 ] 42.198 -0.095 -0.095 -0.083

[ C5 ] 225.436 0.211 0.211 0.177

Group 6

BY Statements

NEG BY C1 34.979 0.599 0.578 0.495

NEG BY C2 35.309 -0.529 -0.511 -0.435

NEG BY C3 52.584 -0.113 -0.109 -0.097

NEG BY C5 26.292 0.082 0.079 0.067

POS BY C1 12.927 0.067 0.064 0.055

POS BY C2 12.965 -0.059 -0.056 -0.048

POS BY C4 25.290 0.116 0.112 0.096

POS BY C5 22.971 -0.089 -0.086 -0.072

ON Statements

NEG ON TR\_AD 4.408 0.683 0.708 0.384

NEG ON GENDER 6.649 0.077 0.080 0.040

NEG ON SES 11.515 -0.046 -0.047 -0.053

POS ON TR\_AD 4.598 -0.662 -0.689 -0.373

POS ON SES 101.087 -0.131 -0.137 -0.152

TR\_AD ON TR\_AD 4.237 0.067 0.067 0.067

WITH Statements

C3 WITH C1 16.111 0.049 0.049 0.082

C3 WITH C2 6.609 0.031 0.031 0.044

C4 WITH C3 25.110 0.083 0.083 0.144

C5 WITH C2 21.144 -0.057 -0.057 -0.080

C5 WITH C3 21.131 -0.067 -0.067 -0.090

TR\_AD WITH POS 4.277 -0.604 -0.629 -1.169

GENDER WITH NEG 7.345 0.020 0.021 0.042

GENDER WITH TR\_AD 4.221 -0.014 -0.014 -0.054

SES WITH NEG 11.956 -0.057 -0.059 -0.053

SES WITH POS 101.535 -0.163 -0.169 -0.152

SES WITH TR\_AD 4.216 -0.021 -0.021 -0.036

Means/Intercepts/Thresholds

[ C1 ] 41.633 -0.106 -0.106 -0.091

[ C2 ] 42.079 0.087 0.087 0.074

[ C3 ] 5.229 0.028 0.028 0.025

[ C5 ] 9.023 -0.038 -0.038 -0.033

[ TR\_AD ] 4.228 0.076 0.076 0.140

Group 7

BY Statements

NEG BY C1 25.173 -0.237 -0.236 -0.205

NEG BY C2 25.200 0.208 0.207 0.183

NEG BY C3 6.876 -0.056 -0.055 -0.052

NEG BY C5 5.490 0.047 0.047 0.045

POS BY C1 21.009 -0.126 -0.115 -0.100

POS BY C2 21.059 0.111 0.101 0.090

POS BY C4 7.956 -0.077 -0.071 -0.064

POS BY C5 15.630 0.093 0.085 0.080

ON Statements

NEG ON TR\_AD 21.551 -4.019 -4.030 -1.697

NEG ON GENDER 32.827 -0.252 -0.253 -0.126

NEG ON SES 6.161 -0.044 -0.044 -0.055

POS ON SES 7.095 -0.043 -0.047 -0.059

TR\_AD ON TR\_AD 11.834 0.125 0.125 0.125

WITH Statements

TR\_AD WITH NEG 12.285 -4.442 -4.454 -10.901

TR\_AD WITH POS 11.711 -0.368 -0.403 -0.986

GENDER WITH NEG 31.951 -0.062 -0.062 -0.125

GENDER WITH TR\_AD 11.777 -0.026 -0.026 -0.129

SES WITH NEG 5.404 -0.064 -0.064 -0.051

SES WITH POS 7.169 -0.068 -0.074 -0.059

SES WITH TR\_AD 11.787 -0.050 -0.050 -0.097

Means/Intercepts/Thresholds

[ C1 ] 41.711 -0.145 -0.145 -0.126

[ C2 ] 43.505 0.126 0.126 0.112

[ C3 ] 7.528 0.052 0.052 0.049

[ C4 ] 54.272 -0.145 -0.145 -0.132

[ C5 ] 33.011 0.103 0.103 0.097

[ TR\_AD ] 11.821 0.145 0.145 0.343

Group 8

BY Statements

NEG BY C3 36.808 -0.144 -0.118 -0.113

NEG BY C5 14.018 0.087 0.071 0.068

POS BY C4 8.477 0.091 0.077 0.073

ON Statements

NEG ON TR\_AD 7.773 1.296 1.583 0.450

NEG ON GENDER 8.940 -0.101 -0.124 -0.062

POS ON SES 7.532 0.031 0.036 0.058

TR\_AD ON TR\_AD 51.530 -0.145 -0.145 -0.145

WITH Statements

C2 WITH C1 33.502 -54.535 -54.535 -146.840

C3 WITH C2 16.894 0.060 0.060 0.093

C4 WITH C3 35.837 0.111 0.111 0.205

C5 WITH C2 6.862 -0.037 -0.037 -0.063

C5 WITH C3 16.050 -0.066 -0.066 -0.105

C5 WITH C4 5.105 -0.049 -0.049 -0.100

TR\_AD WITH NEG 53.449 1.515 1.850 6.595

TR\_AD WITH POS 51.416 0.591 0.696 2.483

GENDER WITH NEG 8.858 -0.025 -0.031 -0.061

GENDER WITH TR\_AD 51.580 0.030 0.030 0.215

SES WITH POS 7.586 0.079 0.092 0.058

SES WITH TR\_AD 51.608 0.114 0.114 0.253

Means/Intercepts/Thresholds

[ C1 ] 7.021 0.053 0.053 0.056

[ C2 ] 7.657 -0.046 -0.046 -0.044

[ C3 ] 24.604 -0.085 -0.085 -0.081

[ C4 ] 7.683 -0.051 -0.051 -0.048

[ C5 ] 55.365 0.124 0.124 0.119

[ TR\_AD ] 51.599 -0.137 -0.137 -0.482

Group 9

BY Statements

NEG BY C1 17.770 -0.575 -0.480 -0.456

NEG BY C2 17.718 0.505 0.422 0.378

NEG BY C3 20.317 -0.110 -0.092 -0.094

NEG BY C4 15.966 0.103 0.086 0.087

POS BY C1 6.685 -0.079 -0.067 -0.064

POS BY C2 6.709 0.070 0.059 0.053

POS BY C4 8.318 0.095 0.081 0.081

POS BY C5 5.236 -0.063 -0.053 -0.050

ON Statements

NEG ON TR\_AD 8.521 2.452 2.933 1.191

POS ON TR\_AD 25.820 -2.501 -2.946 -1.197

POS ON SES 4.413 -0.023 -0.027 -0.049

TR\_AD ON TR\_AD 34.594 -0.154 -0.154 -0.154

WITH Statements

C2 WITH C1 32.275 -12.906 -12.906 -23.100

C3 WITH C1 5.975 0.037 0.037 0.076

C3 WITH C2 6.144 0.040 0.040 0.063

C5 WITH C1 15.662 -0.066 -0.066 -0.125

C5 WITH C2 23.422 0.085 0.085 0.125

C5 WITH C3 9.312 -0.052 -0.052 -0.086

TR\_AD WITH NEG 34.430 1.405 1.681 4.222

TR\_AD WITH POS 34.478 -0.528 -0.622 -1.563

GENDER WITH TR\_AD 34.618 0.033 0.033 0.166

SES WITH POS 4.288 -0.073 -0.086 -0.048

SES WITH TR\_AD 34.618 0.183 0.183 0.258

Means/Intercepts/Thresholds

[ C1 ] 42.462 -0.161 -0.161 -0.152

[ C2 ] 37.287 0.129 0.129 0.115

[ TR\_AD ] 34.615 -0.166 -0.166 -0.410

**MI: 09.01\_measurement\_intercepts**

**Math:**

**Before freeing (model fit):**

MODEL FIT INFORMATION

Number of Free Parameters 142

Loglikelihood

H0 Value -229028.872

H0 Scaling Correction Factor 1.1047

for MLR

H1 Value -227428.696

H1 Scaling Correction Factor 1.0774

for MLR

Information Criteria

Akaike (AIC) 458341.743

Bayesian (BIC) 459534.259

Sample-Size Adjusted BIC 459082.984

(n\* = (n + 2) / 24)

Chi-Square Test of Model Fit

Value 3022.326\*

Degrees of Freedom 209

P-Value 0.0000

Scaling Correction Factor 1.0589

for MLR

Chi-Square Contribution From Each Group

1 263.959

2 182.434

3 567.177

4 310.491

5 512.330

6 407.785

7 201.046

8 404.833

9 172.270

\* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used

for chi-square difference testing in the regular way. MLM, MLR and WLSM

chi-square difference testing is described on the Mplus website. MLMV, WLSMV,

and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.061

90 Percent C.I. 0.059 0.063

Probability RMSEA <= .05 0.000

CFI/TLI

CFI 0.926

TLI 0.914

Chi-Square Test of Model Fit for the Baseline Model

Value 38484.414

Degrees of Freedom 243

P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.046

MODEL MODIFICATION INDICES

NOTE: Modification indices for direct effects of observed dependent variables

regressed on covariates may not be included. To include these, request

MODINDICES (ALL).

Minimum M.I. value for printing the modification index 4.000

M.I. E.P.C. Std E.P.C. StdYX E.P.C.

Group 1

BY Statements

NEG BY C1 10.789 0.157 0.157 0.130

NEG BY C2 10.636 -0.126 -0.126 -0.099

NEG BY C3 15.842 0.073 0.073 0.065

NEG BY C5 30.339 -0.104 -0.104 -0.087

POS BY C3 4.150 -0.031 -0.031 -0.028

ON Statements

NEG ON MATH\_AD 9.802 1.504 1.504 0.343

NEG ON SES 13.568 0.047 0.047 0.070

POS ON MATH\_AD 21.843 2.504 2.504 0.571

WITH Statements

C3 WITH C2 12.225 0.059 0.059 0.071

C4 WITH C3 8.805 0.062 0.062 0.111

C5 WITH C1 4.875 -0.037 -0.037 -0.080

C5 WITH C2 23.132 -0.084 -0.084 -0.100

C5 WITH C4 8.610 -0.072 -0.072 -0.129

GENDER WITH NEG 4.237 -0.020 -0.020 -0.039

SES WITH NEG 12.869 0.101 0.101 0.068

Means/Intercepts/Thresholds

[ C1 ] 13.066 -0.013 -0.013 -0.011

[ C2 ] 13.679 0.057 0.057 0.044

[ C3 ] 4.991 0.028 0.028 0.025

[ C4 ] 65.091 0.059 0.059 0.050

[ C5 ] 137.763 -0.143 -0.143 -0.120

[ POS ] 150.954 6.876 6.876 6.876

Group 2

BY Statements

POS BY C1 44.737 0.192 0.192 0.143

POS BY C2 44.728 -0.142 -0.142 -0.109

POS BY C3 9.633 -0.059 -0.059 -0.053

POS BY C4 18.850 0.108 0.107 0.094

ON Statements

NEG ON MATH\_AD 5.196 1.280 1.201 0.266

NEG ON SES 14.543 0.048 0.045 0.081

POS ON MATH\_AD 19.931 2.077 2.084 0.461

POS ON GENDER 4.703 -0.090 -0.090 -0.045

POS ON SES 9.053 0.035 0.035 0.062

MATH\_AD ON MATH\_AD 10.715 -0.187 -0.187 -0.187

WITH Statements

C2 WITH C1 10.582 2.199 2.199 3.253

C3 WITH C2 13.356 0.068 0.068 0.081

C5 WITH C3 14.223 0.072 0.072 0.100

C5 WITH C4 22.368 -0.122 -0.122 -0.255

MATH\_AD WITH NEG 10.678 -0.182 -0.171 -0.834

MATH\_AD WITH POS 10.690 0.118 0.118 0.577

GENDER WITH POS 5.608 -0.024 -0.025 -0.049

GENDER WITH MATH\_AD 10.706 0.009 0.009 0.093

SES WITH NEG 15.342 0.160 0.151 0.083

SES WITH POS 9.954 0.118 0.118 0.065

SES WITH MATH\_AD 10.711 0.043 0.043 0.118

Means/Intercepts/Thresholds

[ C1 ] 39.413 0.187 0.187 0.139

[ C2 ] 34.840 -0.124 -0.124 -0.095

[ C4 ] 4.448 0.039 0.039 0.034

[ C5 ] 18.359 -0.077 -0.077 -0.065

[ MATH\_AD ] 10.715 -0.047 -0.047 -0.212

Group 3

BY Statements

NEG BY C1 57.124 0.763 0.683 0.582

NEG BY C2 57.196 -0.565 -0.506 -0.394

NEG BY C3 16.751 0.078 0.070 0.067

NEG BY C5 32.094 -0.117 -0.105 -0.092

POS BY C1 43.323 0.209 0.192 0.163

POS BY C2 43.327 -0.155 -0.142 -0.111

POS BY C3 6.174 -0.049 -0.045 -0.043

POS BY C4 13.285 0.100 0.092 0.082

ON Statements

NEG ON MATH\_AD 32.535 2.791 3.120 0.602

NEG ON SES 31.918 0.051 0.057 0.109

POS ON MATH\_AD 17.388 1.964 2.139 0.413

POS ON GENDER 4.255 -0.070 -0.076 -0.038

MATH\_AD ON MATH\_AD 147.175 -0.532 -0.532 -0.532

WITH Statements

C2 WITH C1 173.981 -127.517 -127.517 -179.410

C3 WITH C2 28.347 0.086 0.086 0.102

C4 WITH C3 6.645 0.046 0.046 0.090

C5 WITH C1 23.678 -0.077 -0.077 -0.139

C5 WITH C4 10.457 -0.067 -0.067 -0.124

MATH\_AD WITH NEG 146.965 7.550 8.438 46.178

MATH\_AD WITH POS 147.044 0.880 0.958 5.245

GENDER WITH POS 4.586 -0.018 -0.020 -0.040

GENDER WITH MATH\_AD 147.165 0.027 0.027 0.294

SES WITH NEG 31.429 0.184 0.206 0.108

SES WITH MATH\_AD 147.195 0.159 0.159 0.457

Means/Intercepts/Thresholds

[ C1 ] 168.672 0.347 0.347 0.296

[ C2 ] 136.467 -0.218 -0.218 -0.170

[ C4 ] 126.842 0.182 0.182 0.163

[ C5 ] 177.286 -0.204 -0.204 -0.179

[ MATH\_AD ] 147.196 -0.116 -0.116 -0.600

Group 4

BY Statements

NEG BY C1 25.997 -0.264 -0.236 -0.232

NEG BY C2 25.989 0.194 0.173 0.160

NEG BY C5 5.172 -0.041 -0.036 -0.034

POS BY C1 33.394 -0.150 -0.137 -0.134

POS BY C2 33.372 0.112 0.101 0.093

ON Statements

NEG ON MATH\_AD 22.540 1.411 1.577 0.369

NEG ON GENDER 23.191 0.153 0.171 0.085

NEG ON SES 19.633 0.056 0.063 0.078

POS ON MATH\_AD 18.273 1.396 1.537 0.360

POS ON GENDER 4.795 -0.075 -0.082 -0.041

POS ON SES 20.301 0.062 0.068 0.085

WITH Statements

C3 WITH C2 5.196 -0.027 -0.027 -0.046

C4 WITH C3 6.158 0.040 0.040 0.093

C5 WITH C2 30.874 -0.071 -0.071 -0.114

C5 WITH C3 5.837 -0.034 -0.034 -0.062

GENDER WITH NEG 21.941 0.037 0.041 0.083

GENDER WITH POS 5.424 -0.020 -0.022 -0.044

SES WITH NEG 18.386 0.085 0.095 0.076

SES WITH POS 20.914 0.097 0.107 0.086

Means/Intercepts/Thresholds

[ C1 ] 6.354 -0.055 -0.055 -0.054

[ C2 ] 7.096 0.039 0.039 0.036

[ C3 ] 33.118 0.080 0.080 0.081

[ C4 ] 36.175 -0.095 -0.095 -0.088

Group 5

BY Statements

NEG BY C4 4.745 0.039 0.035 0.031

NEG BY C5 6.876 -0.048 -0.042 -0.036

POS BY C1 36.715 -0.135 -0.128 -0.118

POS BY C2 36.703 0.100 0.095 0.082

POS BY C3 17.181 0.062 0.059 0.056

POS BY C5 19.374 -0.076 -0.072 -0.060

ON Statements

NEG ON MATH\_AD 29.608 1.188 1.342 0.320

NEG ON GENDER 60.201 0.208 0.235 0.118

NEG ON SES 11.016 0.032 0.036 0.050

POS ON MATH\_AD 4.799 0.490 0.518 0.123

MATH\_AD ON MATH\_AD 21.567 0.252 0.252 0.252

WITH Statements

C2 WITH C1 20.745 5.336 5.336 11.013

C3 WITH C2 6.138 0.030 0.030 0.041

C4 WITH C1 11.900 0.041 0.041 0.121

C4 WITH C3 18.805 0.069 0.069 0.134

C5 WITH C2 43.093 -0.089 -0.089 -0.109

C5 WITH C3 29.188 -0.076 -0.076 -0.109

MATH\_AD WITH NEG 21.379 -0.385 -0.435 -1.945

MATH\_AD WITH POS 21.599 0.153 0.162 0.724

GENDER WITH NEG 59.665 0.052 0.059 0.117

GENDER WITH MATH\_AD 21.608 -0.012 -0.012 -0.108

SES WITH NEG 10.497 0.061 0.069 0.049

SES WITH MATH\_AD 21.608 -0.032 -0.032 -0.101

Means/Intercepts/Thresholds

[ C1 ] 24.087 0.100 0.100 0.091

[ C2 ] 27.807 -0.071 -0.071 -0.061

[ C3 ] 58.542 -0.093 -0.093 -0.089

[ C4 ] 42.764 -0.095 -0.095 -0.083

[ C5 ] 228.202 0.211 0.211 0.177

[ MATH\_AD ] 21.596 0.062 0.062 0.260

Group 6

BY Statements

NEG BY C3 49.518 0.104 0.100 0.089

NEG BY C5 23.151 -0.073 -0.070 -0.060

POS BY C1 23.851 -0.102 -0.098 -0.084

POS BY C2 23.849 0.076 0.073 0.061

POS BY C4 25.386 -0.117 -0.112 -0.097

POS BY C5 22.485 0.088 0.085 0.072

ON Statements

NEG ON MATH\_AD 11.862 1.164 1.210 0.282

NEG ON GENDER 4.502 -0.060 -0.062 -0.031

NEG ON SES 10.458 0.041 0.043 0.048

POS ON MATH\_AD 95.887 3.380 3.519 0.821

POS ON SES 103.516 0.132 0.138 0.153

MATH\_AD ON MATH\_AD 6.421 -0.152 -0.152 -0.152

WITH Statements

C2 WITH C1 8.071 -13.015 -13.015 -27.228

C3 WITH C1 18.517 0.052 0.052 0.111

C3 WITH C2 5.008 0.027 0.027 0.035

C4 WITH C2 5.815 -0.028 -0.028 -0.047

C4 WITH C3 26.499 0.085 0.085 0.148

C5 WITH C2 24.781 -0.061 -0.061 -0.080

C5 WITH C3 22.051 -0.069 -0.069 -0.091

MATH\_AD WITH NEG 6.653 0.463 0.482 2.121

MATH\_AD WITH POS 6.402 -0.376 -0.391 -1.722

GENDER WITH NEG 4.977 -0.016 -0.016 -0.033

GENDER WITH MATH\_AD 6.427 0.008 0.008 0.067

SES WITH NEG 10.943 0.052 0.054 0.049

SES WITH POS 103.995 0.164 0.170 0.153

SES WITH MATH\_AD 6.432 0.011 0.011 0.045

Means/Intercepts/Thresholds

[ C1 ] 56.785 -0.144 -0.144 -0.124

[ C2 ] 58.217 0.094 0.094 0.080

[ C3 ] 5.328 0.028 0.028 0.025

[ C5 ] 9.122 -0.038 -0.038 -0.033

[ MATH\_AD ] 6.424 -0.038 -0.038 -0.165

Group 7

BY Statements

NEG BY C3 6.316 0.052 0.051 0.048

NEG BY C5 4.449 -0.041 -0.041 -0.039

POS BY C4 7.121 0.073 0.067 0.061

POS BY C5 14.341 -0.089 -0.082 -0.077

ON Statements

NEG ON MATH\_AD 10.906 1.275 1.297 0.304

NEG ON GENDER 29.401 0.225 0.229 0.115

NEG ON SES 4.452 0.035 0.036 0.045

POS ON MATH\_AD 16.067 1.437 1.572 0.368

POS ON SES 7.160 0.043 0.047 0.059

MATH\_AD ON MATH\_AD 30.588 0.445 0.445 0.445

WITH Statements

C2 WITH C1 30.037 -32.319 -32.319 -86.415

MATH\_AD WITH NEG 30.748 3.011 3.063 14.569

MATH\_AD WITH POS 30.587 0.325 0.355 1.690

GENDER WITH NEG 28.926 0.056 0.057 0.114

GENDER WITH MATH\_AD 30.560 -0.022 -0.022 -0.207

SES WITH POS 7.156 0.067 0.074 0.059

SES WITH MATH\_AD 30.563 -0.041 -0.041 -0.156

Means/Intercepts/Thresholds

[ C1 ] 30.367 -0.141 -0.141 -0.121

[ C2 ] 25.614 0.090 0.090 0.081

[ C3 ] 7.868 0.052 0.052 0.049

[ C4 ] 53.499 -0.143 -0.143 -0.130

[ C5 ] 33.967 0.103 0.103 0.098

[ MATH\_AD ] 30.578 0.120 0.120 0.511

Group 8

BY Statements

NEG BY C3 30.940 0.126 0.103 0.099

NEG BY C5 10.879 -0.073 -0.059 -0.057

POS BY C4 8.383 -0.090 -0.077 -0.072

ON Statements

NEG ON MATH\_AD 9.702 0.505 0.621 0.169

NEG ON GENDER 9.260 0.096 0.118 0.059

POS ON SES 9.409 -0.034 -0.040 -0.064

MATH\_AD ON MATH\_AD 202.026 0.991 0.991 0.991

WITH Statements

C2 WITH C1 212.035 -62.808 -62.808 -223.919

C3 WITH C1 5.839 0.031 0.031 0.109

C3 WITH C2 14.090 0.054 0.054 0.079

C4 WITH C3 33.523 0.106 0.106 0.196

C5 WITH C2 10.569 -0.045 -0.045 -0.072

C5 WITH C3 17.696 -0.069 -0.069 -0.110

MATH\_AD WITH NEG 203.475 3.515 4.329 17.535

MATH\_AD WITH POS 202.090 0.973 1.146 4.643

GENDER WITH NEG 9.030 0.024 0.029 0.058

GENDER WITH MATH\_AD 202.140 -0.048 -0.048 -0.386

SES WITH POS 9.394 -0.087 -0.102 -0.064

SES WITH MATH\_AD 202.140 -0.180 -0.180 -0.456

Means/Intercepts/Thresholds

[ C1 ] 9.788 0.072 0.072 0.077

[ C2 ] 15.188 -0.061 -0.061 -0.058

[ C3 ] 24.304 -0.084 -0.084 -0.080

[ C4 ] 6.717 -0.047 -0.047 -0.044

[ C5 ] 57.710 0.126 0.126 0.121

[ MATH\_AD ] 202.113 0.261 0.261 0.961

Group 9

BY Statements

NEG BY C1 5.711 0.270 0.224 0.213

NEG BY C2 5.714 -0.200 -0.166 -0.149

NEG BY C3 19.784 0.104 0.086 0.089

NEG BY C4 13.474 -0.091 -0.075 -0.075

POS BY C1 5.129 0.078 0.066 0.063

POS BY C2 5.129 -0.058 -0.049 -0.044

POS BY C4 8.532 -0.094 -0.080 -0.080

POS BY C5 5.232 0.062 0.052 0.049

ON Statements

POS ON SES 4.504 0.023 0.027 0.049

MATH\_AD ON MATH\_AD 5.238 0.157 0.157 0.157

WITH Statements

C2 WITH C1 5.195 -3.308 -3.308 -6.691

C3 WITH C1 7.569 0.042 0.042 0.100

C3 WITH C2 6.028 0.039 0.039 0.059

C5 WITH C1 19.426 -0.072 -0.072 -0.163

C5 WITH C2 22.357 0.082 0.082 0.114

C5 WITH C3 9.353 -0.052 -0.052 -0.086

MATH\_AD WITH NEG 5.247 0.327 0.393 1.579

MATH\_AD WITH POS 5.230 -0.117 -0.138 -0.554

GENDER WITH MATH\_AD 5.225 -0.008 -0.008 -0.063

SES WITH POS 4.370 0.073 0.086 0.048

SES WITH MATH\_AD 5.226 -0.043 -0.043 -0.098

Means/Intercepts/Thresholds

[ C1 ] 36.872 -0.170 -0.170 -0.162

[ C2 ] 34.049 0.116 0.116 0.104

[ MATH\_AD ] 5.229 0.041 0.041 0.154