OSF Material 10: Detailed Result Tables of Model Evaluations with Conservative Outlier Treatment

In this document, we show results of model comparison analyses that were conducted exactly as described in the main manuscript, but with a more conservative outlier treatment (i.e., setting the option 'outliers = "conservative" ' in the eam( ) function, see the file "helpers.R" for the definition of this function).

Within this outlier definition suggested by Cohen, Cohen, West, and Aiken (2003), an outlier is a point which satisfies any of the properties

$$(a) \quad |dfFit| > 2\sqrt{\frac{k+1}{n}}$$

$$\text{or } (b) \quad |dfbetas| > \frac{2}{\sqrt{n}}$$

Here, $dfFit$ is a global indicator of influence which measure the effect of deleting a given observation, and $dfbetas$ is computed for each single predictor in the model and indicates the specific influence of a given data point on the respective predictor (see Cohen et al., 2003).

The number of outliers that were identified and omitted in the model estimations are stated in the respective table notes.

Results for the Content Domain Reasoning Ability

Table 1: Content domain reasoning ability, outcome category global self-evaluation: Results of model comparisons

nicenames	K	AICc	Delta_AICc	w	LL	b1	b2	b3	b4	b5
Curvilinear PSV	6	8175.21	0.00	0.646	-4081.52	0.27	0.00	-0.05	0.00	0.00
Beneficial PSV Only	5	8176.42	1.21	0.354	-4083.14	0.27	0.00	0.00	0.00	0.00
Beneficial PSV and Ability	6	8178.14	2.93	(-)	-4082.98	0.26	0.02	0.00	0.00	0.00
Beneficial SE	6	8178.47	3.26	(-)	-4083.14	0.27	0.00	0.00	0.00	0.00
Interaction	7	8180.20	4.99	(-)	-4082.98	0.26	0.02	0.00	0.00	0.00
Full model	9	8180.49	5.28	(-)	-4081.05	0.26	0.02	-0.05	-0.01	0.02
Optimal Margin	6	8218.08	42.87	0	-4102.95	0.11	-0.11	-0.01	0.02	-0.01
Beneficial Ability Only	5	8223.70	48.49	(-)	-4106.79	0.00	0.08	0.00	0.00	0.00
Curvilinear Ability	6	8225.76	50.54	(-)	-4106.79	0.00	0.08	0.00	0.00	0.00
Detrimental SE	6	8225.76	50.54	(-)	-4106.79	0.00	0.08	0.00	0.00	0.00
Null model	4	8227.22	52.01	0	-4109.57	0.00	0.00	0.00	0.00	0.00
Self-Knowledge	5	8229.14	53.93	0	-4109.51	0.00	0.00	-0.01	0.02	-0.01
Detrimental PSV Only	5	8229.27	54.05	(-)	-4109.57	0.00	0.00	0.00	0.00	0.00
Detrimental PSV and Ability	6	8231.32	56.11	(-)	-4109.57	0.00	0.00	0.00	0.00	0.00

Note. Regression coefficients b_1 to b_5 refer to the polynomial model $Z = b_0 + b_1S + b_2R + b_3S^2 + b_4SR + b_5R^2$. LL = maximized Log-Likelihood. K = number of estimated parameters (including residual variance and coefficients of dummy variables that encode the samples). $AICc$ = second-order Akaike Information Criterion; $Delta\_AICc$ = difference of model's $AICc$ to best model's $AICc$; w = Akaike weight. (-) = model was excluded from computation of Akaike weights, because the estimated model was redundant to a nested simpler model (see Additional OSF Material 5 for information about which models are nested). 105 outliers were identified and removed from the analysis.

Table 2: Content domain reasoning ability, outcome category well-being: Results of model comparisons

nicenames	K	AICc	Delta_AICc	w	LL	b1	b2	b3	b4	b5
Beneficial PSV Only	5	8373.67	0.00	0.671	-4181.77	0.22	0.00	0.00	0.00	0.00
Curvilinear PSV	6	8375.20	1.53	0.312	-4181.51	0.22	0.00	-0.02	0.00	0.00
Beneficial PSV and Ability	6	8375.65	1.98	(-)	-4181.74	0.22	0.01	0.00	0.00	0.00
Beneficial SE	6	8375.73	2.05	(-)	-4181.77	0.22	0.00	0.00	0.00	0.00
Interaction	7	8377.71	4.04	(-)	-4181.74	0.22	0.01	0.00	0.00	0.00
Full model	9	8381.07	7.39	0.017	-4181.34	0.22	0.01	-0.03	0.02	-0.01
Optimal Margin	6	8398.56	24.88	0	-4193.19	0.10	-0.10	-0.03	0.06	-0.03
Beneficial Ability Only	5	8406.42	32.74	(-)	-4198.14	0.00	0.06	0.00	0.00	0.00
Null model	4	8406.94	33.26	0	-4199.43	0.00	0.00	0.00	0.00	0.00
Self-Knowledge	5	8407.70	34.03	0	-4198.79	0.00	0.00	-0.02	0.05	-0.02
Curvilinear Ability	6	8408.42	34.75	(-)	-4198.12	0.00	0.06	0.00	0.00	-0.01
Detrimental SE	6	8408.47	34.79	(-)	-4198.14	0.00	0.06	0.00	0.00	0.00
Detrimental PSV Only	5	8408.98	35.31	(-)	-4199.43	0.00	0.00	0.00	0.00	0.00
Detrimental PSV and Ability	6	8411.03	37.36	(-)	-4199.43	0.00	0.00	0.00	0.00	0.00

Note. Regression coefficients b_1 to b_5 refer to the polynomial model $Z = b_0 + b_1S + b_2R + b_3S^2 + b_4SR + b_5R^2$. LL = maximized Log-Likelihood. K = number of estimated parameters (including residual variance and coefficients of dummy variables that encode the samples). $AICc$ = second-order Akaike Information Criterion; $Delta\_AICc$ = difference of model's $AICc$ to best model's $AICc$; w = Akaike weight. (-) = model was excluded from computation of Akaike weights, because the estimated model was redundant to a nested simpler model (see Additional OSF Material 5 for information about which models are nested). 100 outliers were identified and removed from the analysis.

Table 3: Content domain reasoning ability, outcome category self-rated agentic outcomes: Results of model comparisons

nicenames	K	AICc	Delta_AICc	w	LL	b1	b2	b3	b4	b5
Beneficial PSV Only	5	8079.84	0.00	1	-4034.85	0.25	0.00	0.00	0.00	0.00
Beneficial PSV and Ability	6	8081.65	1.81	(-)	-4034.73	0.25	0.02	0.00	0.00	0.00
Curvilinear PSV	6	8081.89	2.05	(-)	-4034.85	0.25	0.00	0.00	0.00	0.00
Beneficial SE	6	8081.89	2.05	(-)	-4034.85	0.25	0.00	0.00	0.00	0.00
Interaction	7	8082.49	2.65	(-)	-4034.12	0.24	0.02	0.00	0.04	0.00
Full model	9	8086.19	6.36	(-)	-4033.89	0.24	0.01	-0.01	0.05	-0.02
Optimal Margin	6	8110.14	30.30	0	-4048.98	0.11	-0.11	-0.04	0.07	-0.04
Beneficial Ability Only	5	8120.93	41.10	(-)	-4055.40	0.00	0.07	0.00	0.00	0.00
Self-Knowledge	5	8121.50	41.67	0	-4055.68	0.00	0.00	-0.03	0.07	-0.03
Null model	4	8122.18	42.34	0	-4057.05	0.00	0.00	0.00	0.00	0.00
Curvilinear Ability	6	8122.98	43.14	(-)	-4055.40	0.00	0.07	0.00	0.00	-0.00
Detrimental SE	6	8122.99	43.15	(-)	-4055.40	0.00	0.07	0.00	0.00	0.00
Detrimental PSV Only	5	8124.23	44.39	(-)	-4057.05	0.00	0.00	0.00	0.00	0.00
Detrimental PSV and Ability	6	8126.28	46.44	(-)	-4057.05	0.00	0.00	0.00	0.00	0.00

Note. Regression coefficients b_1 to b_5 refer to the polynomial model $Z = b_0 + b_1S + b_2R + b_3S^2 + b_4SR + b_5R^2$. LL = maximized Log-Likelihood. K = number of estimated parameters (including residual variance and coefficients of dummy variables that encode the samples). $AICc$ = second-order Akaike Information Criterion; $Delta\_AICc$ = difference of model's $AICc$ to best model's $AICc$; w = Akaike weight. (-) = model was excluded from computation of Akaike weights, because the estimated model was redundant to a nested simpler model (see Additional OSF Material 5 for information about which models are nested). 121 outliers were identified and removed from the analysis.

Table 4: Content domain reasoning ability, outcome category peer-rated agentic outcomes: Results of model comparisons

nicenames	K	AICc	Delta_AICc	w	LL	b1	b2	b3	b4	b5
Full model	9	8052.18	0.00	0.925	-4016.89	0.15	0.23	-0.03	-0.11	0.00
Beneficial PSV and Ability	6	8057.20	5.02	0.075	-4022.51	0.15	0.23	0.00	0.00	0.00
Interaction	7	8059.26	7.08	(-)	-4022.51	0.15	0.23	0.00	0.00	0.00
Beneficial Ability Only	5	8071.50	19.32	0	-4030.68	0.00	0.26	0.00	0.00	0.00
Curvilinear Ability	6	8072.73	20.56	(-)	-4030.27	0.00	0.25	0.00	0.00	-0.03
Detrimental SE	6	8073.55	21.38	(-)	-4030.68	0.00	0.26	0.00	0.00	0.00
Beneficial PSV Only	5	8094.05	41.87	0	-4041.96	0.20	0.00	0.00	0.00	0.00
Curvilinear PSV	6	8094.21	42.04	0	-4041.01	0.19	0.00	-0.04	0.00	0.00
Beneficial SE	6	8096.10	43.92	(-)	-4041.96	0.20	0.00	0.00	0.00	0.00
Null model	4	8118.56	66.38	0	-4055.23	0.00	0.00	0.00	0.00	0.00
Self-Knowledge	5	8120.59	68.41	(-)	-4055.23	0.00	0.00	-0.00	0.00	-0.00
Detrimental PSV Only	5	8120.60	68.42	(-)	-4055.23	0.00	0.00	0.00	0.00	0.00
Optimal Margin	6	8122.64	70.47	(-)	-4055.23	0.00	0.00	-0.00	0.00	-0.00
Detrimental PSV and Ability	6	8122.65	70.48	(-)	-4055.23	0.00	0.00	0.00	0.00	0.00

Note. Regression coefficients b_1 to b_5 refer to the polynomial model $Z = b_0 + b_1S + b_2R + b_3S^2 + b_4SR + b_5R^2$. LL = maximized Log-Likelihood. K = number of estimated parameters (including residual variance and coefficients of dummy variables that encode the samples). $AICc$ = second-order Akaike Information Criterion; $Delta\_AICc$ = difference of model's $AICc$ to best model's $AICc$; w = Akaike weight. (-) = model was excluded from computation of Akaike weights, because the estimated model was redundant to a nested simpler model (see Additional OSF Material 5 for information about which models are nested). 115 outliers were identified and removed from the analysis.

Table 5: Content domain reasoning ability, outcome category peer-rated communal outcomes: Results of model comparisons

nicenames	K	AICc	Delta_AICc	w	LL	b1	b2	b3	b4	b5
Detrimental SE	6	8162.80	0.00	0.683	-4075.31	-0.07	0.16	0.00	0.00	0.00
Beneficial Ability Only	5	8164.34	1.54	0.316	-4077.10	0.00	0.15	0.00	0.00	0.00
Interaction	7	8164.86	2.06	(-)	-4075.31	-0.07	0.16	0.00	0.00	0.00
Curvilinear Ability	6	8165.26	2.47	(-)	-4076.54	0.00	0.14	0.00	0.00	-0.03
Full model	9	8166.35	3.56	(-)	-4073.98	-0.08	0.15	-0.03	0.02	-0.04
Beneficial PSV and Ability	6	8166.39	3.59	(-)	-4077.10	0.00	0.15	0.00	0.00	0.00
Null model	4	8179.63	16.83	0	-4085.77	0.00	0.00	0.00	0.00	0.00
Self-Knowledge	5	8179.85	17.05	(-)	-4084.86	0.00	0.00	-0.03	0.06	-0.03
Detrimental PSV Only	5	8180.81	18.02	(-)	-4085.34	-0.03	0.00	0.00	0.00	0.00
Beneficial PSV Only	5	8181.67	18.87	(-)	-4085.77	0.00	0.00	0.00	0.00	0.00
Curvilinear PSV	6	8181.69	18.90	0	-4084.75	-0.04	0.00	-0.03	0.00	0.00
Optimal Margin	6	8181.90	19.10	(-)	-4084.86	0.00	0.00	-0.03	0.06	-0.03
Detrimental PSV and Ability	6	8182.87	20.07	(-)	-4085.34	-0.03	0.00	0.00	0.00	0.00
Beneficial SE	6	8183.72	20.93	(-)	-4085.77	0.00	0.00	0.00	0.00	0.00

Note. Regression coefficients b_1 to b_5 refer to the polynomial model $Z = b_0 + b_1S + b_2R + b_3S^2 + b_4SR + b_5R^2$. LL = maximized Log-Likelihood. K = number of estimated parameters (including residual variance and coefficients of dummy variables that encode the samples). $AICc$ = second-order Akaike Information Criterion; $Delta\_AICc$ = difference of model's $AICc$ to best model's $AICc$; w = Akaike weight. (-) = model was excluded from computation of Akaike weights, because the estimated model was redundant to a nested simpler model (see Additional OSF Material 5 for information about which models are nested). 114 outliers were identified and removed from the analysis.

Results for the Content Domain Vocabulary Knowledge

Table 6: Content domain vocabulary knowledge, outcome category global self-evaluation: Results of model comparisons

nicenames	K	AICc	Delta_AICc	w	LL	b1	b2	b3	b4	b5
Full model	10	30985.55	0.00	0.804	-15482.72	0.36	-0.04	-0.05	0.01	0.02
Curvilinear PSV	7	30988.48	2.93	0.186	-15487.21	0.35	0.00	-0.05	0.00	0.00
Beneficial SE	7	30994.72	9.16	0.008	-15490.33	0.38	-0.05	0.00	0.00	0.00
Interaction	8	30995.96	10.40	(-)	-15489.94	0.38	-0.05	0.00	0.02	0.00
Beneficial PSV Only	6	30998.86	13.31	0.001	-15493.41	0.37	0.00	0.00	0.00	0.00
Beneficial PSV and Ability	7	31000.87	15.32	(-)	-15493.41	0.37	0.00	0.00	0.00	0.00
Optimal Margin	7	31181.39	195.84	0	-15583.67	0.21	-0.21	-0.03	0.07	-0.03
Self-Knowledge	6	31345.24	359.69	0	-15666.60	0.00	0.00	-0.05	0.09	-0.05
Beneficial Ability Only	6	31367.82	382.26	0	-15677.89	0.00	0.05	0.00	0.00	0.00
Curvilinear Ability	7	31369.83	384.28	(-)	-15677.89	0.00	0.05	0.00	0.00	0.00
Detrimental SE	7	31369.83	384.28	(-)	-15677.89	0.00	0.05	0.00	0.00	0.00
Null model	5	31371.81	386.26	0	-15680.89	0.00	0.00	0.00	0.00	0.00
Detrimental PSV Only	6	31373.82	388.27	(-)	-15680.89	0.00	0.00	0.00	0.00	0.00
Detrimental PSV and Ability	7	31375.84	390.28	(-)	-15680.89	0.00	0.00	0.00	0.00	0.00

Note. Regression coefficients b_1 to b_5 refer to the polynomial model $Z = b_0 + b_1 S + b_2 R + b_3 S^2 + b_4 SR + b_5 R^2$. LL = maximized Log-Likelihood. K = number of estimated parameters (including residual variance and coefficients of dummy variables that encode the samples). $AICc$ = second-order Akaike Information Criterion; $Delta\_AICc$ = difference of model's $AICc$ to best model's $AICc$; w = Akaike weight. (-) = model was excluded from computation of Akaike weights, because the estimated model was redundant to a nested simpler model (see Additional OSF Material 5 for information about which models are nested). 533 outliers were identified and removed from the analysis.

Table 7: Content domain vocabulary knowledge, outcome category well-being: Results of model comparisons

nicenames	K	AICc	Delta_AICc	w	LL	b1	b2	b3	b4	b5
Full model	10	29754.57	0.00	0.591	-14867.23	0.21	-0.05	-0.06	-0.02	0.01
Curvilinear PSV	7	29755.34	0.76	0.403	-14870.64	0.20	0.00	-0.06	0.00	0.00
Beneficial SE	7	29763.93	9.36	0.005	-14874.94	0.23	-0.05	0.00	0.00	0.00
Interaction	8	29765.95	11.37	(-)	-14874.94	0.23	-0.05	0.00	0.00	0.00
Beneficial PSV Only	6	29768.68	14.11	0.001	-14878.32	0.21	0.00	0.00	0.00	0.00
Beneficial PSV and Ability	7	29770.69	16.12	(-)	-14878.32	0.21	0.00	0.00	0.00	0.00
Optimal Margin	7	29814.86	60.29	0	-14900.40	0.14	-0.14	-0.02	0.04	-0.02
Self-Knowledge	6	29888.42	133.84	0	-14938.19	0.00	0.00	-0.02	0.04	-0.02
Null model	5	29890.75	136.18	0	-14940.36	0.00	0.00	0.00	0.00	0.00
Beneficial Ability Only	6	29892.59	138.02	(-)	-14940.28	0.00	0.01	0.00	0.00	0.00
Detrimental PSV Only	6	29892.76	138.19	(-)	-14940.36	0.00	0.00	0.00	0.00	0.00
Curvilinear Ability	7	29894.59	140.02	(-)	-14940.27	0.00	0.01	0.00	0.00	-0.00
Detrimental SE	7	29894.60	140.03	(-)	-14940.28	0.00	0.01	0.00	0.00	0.00
Detrimental PSV and Ability	7	29894.78	140.20	(-)	-14940.36	0.00	0.00	0.00	0.00	0.00

Note. Regression coefficients b_1 to b_5 refer to the polynomial model $Z = b_0 + b_1S + b_2R + b_3S^2 + b_4SR + b_5R^2$. LL = maximized Log-Likelihood. K = number of estimated parameters (including residual variance and coefficients of dummy variables that encode the samples). $AICc$ = second-order Akaike Information Criterion; $Delta\_AICc$ = difference of model's $AICc$ to best model's $AICc$; w = Akaike weight. (-) = model was excluded from computation of Akaike weights, because the estimated model was redundant to a nested simpler model (see Additional OSF Material 5 for information about which models are nested). 549 outliers were identified and removed from the analysis.

Table 8: Content domain vocabulary knowledge, outcome category self-rated agentic outcomes: Results of model comparisons

nicenames	K	AICc	Delta_AICc	w	LL	b1	b2	b3	b4	b5
Beneficial SE	7	30999.62	0.00	1	-15492.78	0.43	-0.16	0.00	0.00	0.00
Interaction	8	31001.44	1.82	(-)	-15492.69	0.43	-0.16	0.00	0.01	0.00
Full model	10	31002.63	3.01	(-)	-15491.26	0.43	-0.15	0.00	-0.00	0.03
Beneficial PSV Only	6	31062.92	63.30	0	-15525.44	0.38	0.00	0.00	0.00	0.00
Curvilinear PSV	7	31064.91	65.29	(-)	-15525.43	0.38	0.00	-0.00	0.00	0.00
Beneficial PSV and Ability	7	31064.94	65.32	(-)	-15525.44	0.38	0.00	0.00	0.00	0.00
Optimal Margin	7	31126.55	126.93	0	-15556.25	0.29	-0.29	-0.01	0.02	-0.01
Self-Knowledge	6	31431.63	432.01	0	-15709.79	0.00	0.00	-0.03	0.05	-0.03
Curvilinear Ability	7	31435.44	435.82	0	-15710.69	0.00	-0.05	0.00	0.00	0.00
Detrimental PSV and Ability	7	31435.44	435.82	0	-15710.69	0.00	-0.05	0.00	0.00	0.00
Null model	5	31436.66	437.04	0	-15713.32	0.00	0.00	0.00	0.00	0.00
Beneficial Ability Only	6	31438.68	439.06	(-)	-15713.32	0.00	0.00	0.00	0.00	0.00
Detrimental PSV Only	6	31438.68	439.06	(-)	-15713.32	0.00	0.00	0.00	0.00	0.00
Detrimental SE	7	31440.69	441.07	(-)	-15713.32	0.00	0.00	0.00	0.00	0.00

Note. Regression coefficients b_1 to b_5 refer to the polynomial model $Z = b_0 + b_1S + b_2R + b_3S^2 + b_4SR + b_5R^2$. LL = maximized Log-Likelihood. K = number of estimated parameters (including residual variance and coefficients of dummy variables that encode the samples). $AICc$ = second-order Akaike Information Criterion; $Delta\_AICc$ = difference of model's $AICc$ to best model's $AICc$; w = Akaike weight. (-) = model was excluded from computation of Akaike weights, because the estimated model was redundant to a nested simpler model (see Additional OSF Material 5 for information about which models are nested). 537 outliers were identified and removed from the analysis.

Table 9: Content domain vocabulary knowledge, outcome category self-rated communal outcomes: Results of model comparisons

nicenames	K	AICc	Delta_AICc	w	LL	b1	b2	b3	b4	b5
Beneficial SE	7	30723.54	0.00	0.886	-15354.75	0.08	-0.13	0.00	0.00	0.00
Interaction	8	30725.56	2.02	(-)	-15354.75	0.08	-0.13	0.00	0.00	0.00
Full model	10	30727.67	4.12	0.113	-15353.78	0.09	-0.14	0.02	-0.01	-0.01
Optimal Margin	7	30728.04	4.50	(-)	-15356.99	0.11	-0.11	0.00	0.00	0.00
Curvilinear Ability	7	30737.25	13.71	0.001	-15361.60	0.00	-0.12	0.00	0.00	-0.01
Detrimental PSV and Ability	7	30737.40	13.86	0.001	-15361.67	0.00	-0.12	0.00	0.00	0.00
Beneficial PSV Only	6	30763.68	40.14	0	-15375.82	0.05	0.00	0.00	0.00	0.00
Curvilinear PSV	7	30765.70	42.15	(-)	-15375.82	0.05	0.00	0.00	0.00	0.00
Beneficial PSV and Ability	7	30765.70	42.15	(-)	-15375.82	0.05	0.00	0.00	0.00	0.00
Null model	5	30766.78	43.23	0	-15378.38	0.00	0.00	0.00	0.00	0.00
Self-Knowledge	6	30768.79	45.25	(-)	-15378.38	0.00	0.00	0.00	0.00	0.00
Beneficial Ability Only	6	30768.79	45.25	(-)	-15378.38	0.00	0.00	0.00	0.00	0.00
Detrimental PSV Only	6	30768.79	45.25	(-)	-15378.38	0.00	0.00	0.00	0.00	0.00
Detrimental SE	7	30770.80	47.26	(-)	-15378.38	0.00	0.00	0.00	0.00	0.00

Note. Regression coefficients b_1 to b_5 refer to the polynomial model $Z = b_0 + b_1S + b_2R + b_3S^2 + b_4SR + b_5R^2$. LL = maximized Log-Likelihood. K = number of estimated parameters (including residual variance and coefficients of dummy variables that encode the samples). $AICc$ = second-order Akaike Information Criterion; $Delta\_AICc$ = difference of model's $AICc$ to best model's $AICc$; w = Akaike weight. (-) = model was excluded from computation of Akaike weights, because the estimated model was redundant to a nested simpler model (see Additional OSF Material 5 for information about which models are nested). 533 outliers were identified and removed from the analysis.

Table 10: Content domain vocabulary knowledge, outcome category peer-rated agentic outcomes: Results of model comparisons

nicenames	K	AICc	Delta_AICc	w	LL	b1	b2	b3	b4	b5
Curvilinear PSV	7	37576.47	0.00	0.594	-18781.21	0.16	0.00	-0.04	0.00	0.00
Beneficial PSV Only	6	37577.24	0.76	0.406	-18782.60	0.17	0.00	0.00	0.00	0.00
Beneficial SE	7	37579.24	2.77	(-)	-18782.60	0.17	-0.00	0.00	0.00	0.00
Beneficial PSV and Ability	7	37579.25	2.78	(-)	-18782.60	0.17	0.00	0.00	0.00	0.00
Interaction	8	37581.26	4.78	(-)	-18782.60	0.17	-0.00	0.00	0.00	0.00
Full model	10	37581.60	5.13	(-)	-18780.75	0.16	-0.00	-0.04	-0.03	0.01
Optimal Margin	7	37598.03	21.56	0	-18791.99	0.09	-0.09	-0.01	0.01	-0.01
Null model	5	37607.41	30.94	0	-18798.69	0.00	0.00	0.00	0.00	0.00
Beneficial Ability Only	6	37608.27	31.80	(-)	-18798.12	0.00	0.03	0.00	0.00	0.00
Self-Knowledge	6	37609.08	32.61	(-)	-18798.52	0.00	0.00	-0.01	0.02	-0.01
Detrimental PSV Only	6	37609.42	32.95	(-)	-18798.69	0.00	0.00	0.00	0.00	0.00
Curvilinear Ability	7	37610.28	33.81	(-)	-18798.12	0.00	0.03	0.00	0.00	-0.00
Detrimental SE	7	37610.28	33.81	(-)	-18798.12	0.00	0.03	0.00	0.00	0.00
Detrimental PSV and Ability	7	37611.43	34.96	(-)	-18798.69	0.00	0.00	0.00	0.00	0.00

Note. Regression coefficients b_1 to b_5 refer to the polynomial model $Z = b_0 + b_1S + b_2R + b_3S^2 + b_4SR + b_5R^2$. LL = maximized Log-Likelihood. K = number of estimated parameters (including residual variance and coefficients of dummy variables that encode the samples). $AICc$ = second-order Akaike Information Criterion; $Delta\_AICc$ = difference of model's $AICc$ to best model's $AICc$; w = Akaike weight. (-) = model was excluded from computation of Akaike weights, because the estimated model was redundant to a nested simpler model (see Additional OSF Material 5 for information about which models are nested). 212 outliers were identified and removed from the analysis.