Appendix D

Parameters for IRT Analysis of PIRLS Achievement Data

Item	Slope (a_j)	Location (b_j)	Guessing (c_j)	Step 1 (d_{j1})	Step 2 (d_{j2})	Step 3 (d_{j3})
R011H01M	0.719 (0.063)	-1.516 (0.203)		0.315 (0.068)		
R011H02M	0.992 (0.067)	-1.410 (0.108)		0.207 (0.048)		
R011H03C	0.369 (0.020)	0.676 (0.047)			0.644 (0.065)	-0.644 (0.079)
R011H04C	0.934 (0.041)	-1.117 (0.047)				

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Item	Slope (a_j)	Location (b_j)	Guessing (c_j)	Step 1 (d_{j1})	Step 2 (d_{j2})	Step 3 (d_{j3})	
R011R05C	1.130 (0.045)	-0.798 (0.032)					
R011R06C	0.651 (0.020)	-0.356 (0.024)			-0.492 (0.051)	0.492 (0.046)	
R011R07C	1.042 (0.043)	0.010 (0.024)					
R011R08C	0.861 (0.031)	0.130 (0.019)			0.313 (0.032)	-0.313 (0.032)	
R011R09C	0.671 (0.025)	-0.174 (0.024)			0.101 (0.044)	-0.101 (0.039)	
R011R10C	0.391 (0.015)	0.189 (0.031)			0.993 (0.082)	0.544 (0.069)	-1.536 (0.083)
R011R11C	0.635 (0.024)	-0.223 (0.021)			0.374 (0.060)	0.185 (0.051)	-0.559 (0.044)
R021K01C	0.432 (0.022)	-1.007 (0.056)			0.171 (0.087)	-0.171 (0.064)	
R021K02C	0.794 (0.039)	-0.748 (0.046)					
R021K03M	1.063 (0.086)	0.074 (0.061)		0.201 (0.029)			

( ) Standard errors appear in parentheses

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