Table 1: Verbal Similarities IV Results (DataV2)

Verbal Similarities Z-Score	2+			3+			4+		
	Base	+H	+S&H	Base	+H	+S&H	Base	+H	+S&H
All IncludeMissing									
Fertility	-0.189	-0.213	-0.239	-0.270	-0.278	-0.184	-0.228	-0.278	-0.234
	(0.188)	(0.188)	(0.197)	(0.212)	(0.210)	(0.204)	(0.321)	(0.333)	(0.321)
Observations	3,664	3,664	3,664	2,793	2,793	2,793	1,325	1,325	1,325
All OmitMissing									
Fertility	-0.0882	-0.102	-0.0709	-0.248	-0.255	-0.170	-0.551	-0.526	-0.447
	(0.147)	(0.149)	(0.155)	(0.185)	(0.180)	(0.178)	(0.401)	(0.409)	(0.381)
Observations	3,184	3,184	3,184	2,279	2,279	2,279	946	946	946
Girls IncludeMissing									
Fertility	-0.539*	-0.545*	-0.593**	-0.989***	-0.932**	-0.861**	-0.160	-0.203	-0.222
	(0.284)	(0.279)	(0.302)	(0.384)	(0.390)	(0.403)	(0.305)	(0.334)	(0.346)
Observations	1,796	1,796	1,796	1,365	1,365	1,365	654	654	654
Girls OmitMissing									
Fertility	-0.379**	-0.380**	-0.355**	-0.706***	-0.655***	-0.612***	-0.330	-0.286	-0.314
	(0.181)	(0.174)	(0.181)	(0.238)	(0.229)	(0.233)	(0.390)	(0.431)	(0.455)
Observations	1,556	1,556	1,556	1,097	1,097	1,097	445	445	445
Boys IncludeMissing									
Fertility	0.231	0.186	0.167	0.0900	0.0239	0.0859	-0.649	-0.663	-0.650
	(0.267)	(0.260)	(0.262)	(0.212)	(0.214)	(0.220)	(0.556)	(0.558)	(0.533)
Observations	1,868	1,868	1,868	1,428	1,428	1,428	671	671	671
Boys OmitMissing									
Fertility	0.214	0.179	0.236	0.0373	-0.0187	0.106	-0.819*	-0.758*	-0.685*
	(0.274)	(0.273)	(0.281)	(0.221)	(0.226)	(0.241)	(0.443)	(0.436)	(0.403)
Observations	1,628	1,628	1,628	1,182	1,182	1,182	501	501	501

Notes: The two plus subsample refers to all first born children in families with at least two births. Three plus refers to first- and second-borns in families with at least three births, etc

1

Table 2: Number Skills IV Results (DataV2)

NUMBER SKILLS Z-SCORE	2+ Base	2+ +H	2+ +S&H	3+ Base	3+ +H	3+ +S&H	4+ Base	4+ +H	4+ +S&H
All IncludeMissing									
Fertility	-0.130	-0.138	-0.174	-0.648***	-0.660***	-0.601***	-0.123	-0.154	-0.155
	(0.232)	(0.231)	(0.234)	(0.221)	(0.224)	(0.225)	(0.318)	(0.373)	(0.374)
Observations	3,394	3,394	3,394	2,561	2,561	2,561	1,177	1,177	1,177
All OmitMissing									
Fertility	-0.0195	-0.0229	0.0105	-0.531***	-0.527***	-0.477**	-0.319	-0.267	-0.249
	(0.156)	(0.153)	(0.166)	(0.180)	(0.181)	(0.195)	(0.466)	(0.526)	(0.521)
Observations	2,990	2,990	2,990	2,122	2,122	2,122	851	851	851
Girls IncludeMissing									
Fertility	-0.522	-0.522	-0.560	-1.364***	-1.294***	-1.218**	0.0893	0.121	0.200
	(0.378)	(0.378)	(0.362)	(0.513)	(0.491)	(0.479)	(0.201)	(0.258)	(0.310)
Observations	1,686	1,686	1,686	1,268	1,268	1,268	581	581	581
Girls OmitMissing									
Fertility	-0.188	-0.177	-0.184	-0.880***	-0.837***	-0.840***	-0.0263	0.139	0.345
	(0.173)	(0.170)	(0.182)	(0.215)	(0.225)	(0.256)	(0.297)	(0.328)	(0.427)
Observations	1,476	1,476	1,476	1,032	1,032	1,032	401	401	401
Boys IncludeMissing									
Fertility	0.155	0.139	0.197	-0.208	-0.242	-0.189	-0.832	-0.899	-0.975*
	(0.298)	(0.289)	(0.296)	(0.195)	(0.199)	(0.229)	(0.539)	(0.558)	(0.537)
Observations	1,708	1,708	1,708	1,293	1,293	1,293	596	596	596
Boys OmitMissing									
Fertility	0.113	0.103	0.230	-0.268	-0.277	-0.196	-0.860	-0.859	-0.866
	(0.292)	(0.286)	(0.302)	(0.211)	(0.214)	(0.229)	(0.592)	(0.559)	(0.548)
Observations	1,514	1,514	1,514	1,090	1,090	1,090	450	450	450

NOTES: The two plus subsample refers to all first born children in families with at least two births. Three plus refers to first- and second-borns in families with at least three births, etc

2

Table 3: Word Reading IV Results (DataV2)

Word Reading Z-Score	2+ Base	2+ +H	2+ +S&H	3+ Base	3+ +H	3+ +S&H	4+ Base	4+ +H	4+ +S&H
All IncludeMissing									
Fertility	0.0906	0.0739	0.0318	-0.294	-0.288	-0.203	-0.691**	-0.768**	-0.705*
	(0.242)	(0.236)	(0.246)	(0.218)	(0.215)	(0.215)	(0.335)	(0.384)	(0.374)
Observations	3,352	3,352	3,352	2,524	2,524	2,524	1,162	1,162	1,162
All OmitMissing									
Fertility	0.106	0.0897	0.117	-0.148	-0.146	-0.0655	-0.744	-0.698	-0.604
	(0.213)	(0.210)	(0.222)	(0.180)	(0.176)	(0.180)	(0.502)	(0.564)	(0.519)
Observations	2,949	2,949	2,949	2,087	2,087	2,087	840	840	840
Girls IncludeMissing									
Fertility	0.0358	0.0103	-0.0356	-0.357	-0.216	-0.120	-0.544*	-0.581	-0.562
	(0.315)	(0.314)	(0.315)	(0.580)	(0.525)	(0.495)	(0.315)	(0.378)	(0.431)
Observations	1,664	1,664	1,664	1,251	1,251	1,251	571	571	571
Girls OmitMissing									
Fertility	0.0492	0.0575	0.0617	0.117	0.175	0.240	-0.423	-0.251	-0.103
	(0.247)	(0.244)	(0.245)	(0.278)	(0.245)	(0.214)	(0.432)	(0.543)	(0.609)
Observations	1,455	1,455	1,455	1,017	1,017	1,017	393	393	393
Boys IncludeMissing									
Fertility	0.314	0.276	0.279	-0.226	-0.283	-0.209	-1.240***	-1.368***	-1.369***
	(0.414)	(0.389)	(0.403)	(0.177)	(0.176)	(0.209)	(0.337)	(0.345)	(0.284)
Observations	1,688	1,688	1,688	1,273	1,273	1,273	591	591	591
Boys OmitMissing									
Fertility	0.333	0.298	0.403	-0.250	-0.291	-0.189	-1.123***	-1.223***	-1.180***
	(0.411)	(0.398)	(0.430)	(0.189)	(0.190)	(0.223)	(0.381)	(0.358)	(0.309)
Observations	1,494	1,494	1,494	1,070	1,070	1,070	447	447	447

NOTES: The two plus subsample refers to all first born children in families with at least two births. Three plus refers to first- and second-borns in families with at least three births, etc

3

Table 4: Pattern Construction IV Results (DataV2)

Pattern Construction Z-Score	2+			3+			4+		
	Base	+H	+S&H	Base	+H	+S&H	Base	+H	+S&H
All IncludeMissing									
Fertility	-0.607*	-0.612*	-0.678*	0.159	0.154	0.223	-0.542	-0.673	-0.618
	(0.348)	(0.348)	(0.358)	(0.205)	(0.218)	(0.240)	(0.435)	(0.477)	(0.480)
Observations	3,384	3,384	3,384	2,550	2,550	2,550	1,171	1,171	1,171
All OmitMissing									
Fertility	-0.259	-0.262	-0.254	0.0336	0.0215	0.0728	-0.981*	-1.081*	-1.034*
	(0.161)	(0.161)	(0.170)	(0.143)	(0.143)	(0.131)	(0.531)	(0.571)	(0.548)
Observations	2,980	2,980	2,980	2,111	2,111	2,111	846	846	846
Girls IncludeMissing									
Fertility	-1.212*	-1.189*	-1.242**	0.302	0.455	0.544	-0.693*	-0.849*	-0.809
	(0.649)	(0.639)	(0.633)	(0.547)	(0.660)	(0.730)	(0.381)	(0.445)	(0.543)
Observations	1,680	1,680	1,680	1,263	1,263	1,263	576	576	576
Girls OmitMissing									
Fertility	-0.440*	-0.418*	-0.426*	-0.0384	0.0307	0.0864	-1.403***	-1.534***	-1.560**
	(0.236)	(0.233)	(0.244)	(0.207)	(0.188)	(0.174)	(0.416)	(0.500)	(0.655)
Observations	1,471	1,471	1,471	1,028	1,028	1,028	397	397	397
Boys IncludeMissing									
Fertility	0.00490	-0.0376	-0.0407	0.157	0.114	0.153	0.0432	-0.0707	-0.0951
	(0.263)	(0.259)	(0.265)	(0.187)	(0.199)	(0.173)	(0.429)	(0.391)	(0.371)
Observations	1,704	1,704	1,704	1,287	1,287	1,287	595	595	595
Boys OmitMissing									
Fertility	-0.0214	-0.0572	0.00276	0.115	0.0594	0.141	-0.0725	-0.187	-0.245
	(0.261)	(0.261)	(0.284)	(0.210)	(0.212)	(0.187)	(0.423)	(0.392)	(0.342)
Observations	1,509	1,509	1,509	1,083	1,083	1,083	449	449	449

Notes: The two plus subsample refers to all first born children in families with at least two births. Three plus refers to first- and second-borns in families with at least three births, etc

4

Table 5: Help Reading Freq IV Results (DataV2)

Help Reading Freq Z-Score	2+			3+			4+		
	Base	+H	+S&H	Base	+H	+S&H	Base	+H	+S&H
All IncludeMissing									
Fertility	-0.0835	-0.0872	-0.105	-0.184	-0.180	-0.200	0.198	0.176	0.204
	(0.206)	(0.208)	(0.211)	(0.245)	(0.244)	(0.258)	(0.334)	(0.357)	(0.364)
Observations	3,448	3,448	3,448	2,608	2,608	2,608	1,207	1,207	1,207
All OmitMissing									
Fertility	-0.0259	-0.0246	-0.0328	-0.0190	-0.0233	-0.0137	-0.0182	-0.0506	-0.0837
	(0.184)	(0.188)	(0.194)	(0.199)	(0.198)	(0.201)	(0.435)	(0.452)	(0.428)
Observations	3,032	3,032	3,032	2,152	2,152	2,152	868	868	868
Girls IncludeMissing									
Fertility	-0.139	-0.158	-0.178	-0.536	-0.524	-0.541	0.516*	0.573*	0.645*
	(0.287)	(0.284)	(0.281)	(0.620)	(0.639)	(0.673)	(0.271)	(0.299)	(0.340)
Observations	1,704	1,704	1,704	1,284	1,284	1,284	588	588	588
Girls OmitMissing									
Fertility	-0.0267	-0.0456	-0.0408	0.0194	0.0173	0.0504	0.531*	0.628*	0.573
	(0.252)	(0.250)	(0.251)	(0.310)	(0.319)	(0.315)	(0.323)	(0.358)	(0.400)
Observations	1,490	1,490	1,490	1,042	1,042	1,042	404	404	404
Boys IncludeMissing									
Fertility	0.142	0.166	0.188	0.122	0.132	0.0887	-0.763**	-0.739**	-0.739**
	(0.282)	(0.296)	(0.307)	(0.245)	(0.234)	(0.230)	(0.333)	(0.348)	(0.335)
Observations	1,744	1,744	1,744	1,324	1,324	1,324	619	619	619
Boys OmitMissing									
Fertility	0.0758	0.104	0.158	0.106	0.120	0.0799	-0.960**	-0.978**	-0.925**
	(0.279)	(0.299)	(0.311)	(0.269)	(0.258)	(0.260)	(0.379)	(0.384)	(0.375)
Observations	1,542	1,542	1,542	1,110	1,110	1,110	464	464	464

NOTES: The two plus subsample refers to all first born children in families with at least two births. Three plus refers to first- and second-borns in families with at least three births, etc

Table 6: Help Writing Freq IV Results (DataV2)

HELP WRITING FREQ Z-SCORE	2+			3+			4+		
	Base	+H	+S&H	Base	+H	+S&H	Base	+H	+S&H
All IncludeMissing									
Fertility	-0.218	-0.229	-0.219	-0.156	-0.159	-0.180	-0.454**	-0.519**	-0.542***
	(0.226)	(0.222)	(0.226)	(0.255)	(0.259)	(0.268)	(0.186)	(0.202)	(0.202)
Observations	3,448	3,448	3,448	2,608	2,608	2,608	1,207	1,207	1,207
All OmitMissing									
Fertility	-0.155	-0.164	-0.169	-0.0542	-0.0574	-0.0811	-0.265	-0.333	-0.351
	(0.178)	(0.177)	(0.178)	(0.200)	(0.199)	(0.207)	(0.227)	(0.241)	(0.224)
Observations	3,032	3,032	3,032	2,152	2,152	2,152	868	868	868
Girls IncludeMissing									
Fertility	-0.592*	-0.612**	-0.599**	-0.698	-0.754	-0.724	-0.502***	-0.562***	-0.683***
	(0.303)	(0.287)	(0.293)	(0.570)	(0.629)	(0.611)	(0.176)	(0.214)	(0.242)
Observations	1,704	1,704	1,704	1,284	1,284	1,284	588	588	588
Girls OmitMissing									
Fertility	-0.434**	-0.463***	-0.459***	-0.153	-0.164	-0.165	-0.281	-0.412*	-0.557*
	(0.179)	(0.172)	(0.172)	(0.160)	(0.155)	(0.174)	(0.186)	(0.246)	(0.297)
Observations	1,490	1,490	1,490	1,042	1,042	1,042	404	404	404
Boys IncludeMissing									
Fertility	0.194	0.205	0.229	0.106	0.121	0.0938	-0.269	-0.227	-0.227
	(0.347)	(0.331)	(0.348)	(0.260)	(0.259)	(0.271)	(0.489)	(0.445)	(0.446)
Observations	1,744	1,744	1,744	1,324	1,324	1,324	619	619	619
Boys OmitMissing									
Fertility	0.0838	0.0963	0.128	0.0782	0.0892	0.0494	-0.164	-0.111	-0.0895
	(0.344)	(0.328)	(0.344)	(0.279)	(0.275)	(0.288)	(0.508)	(0.456)	(0.441)
Observations	1,542	1,542	1,542	1,110	1,110	1,110	464	464	464

NOTES: The two plus subsample refers to all first born children in families with at least two births. Three plus refers to first- and second-borns in families with at least three births, etc

6

Table 7: Proactive School Selection IV Results (DataV2)

Proactive School Selection Z-Score	2+			3+			4+		
	Base	+H	+S&H	Base	+H	+S&H	Base	+H	+S&H
All IncludeMissing									
Fertility	0.310	0.307	0.345	-0.0217	-0.00384	0.0351	-0.280	-0.279	-0.214
	(0.281)	(0.275)	(0.284)	(0.293)	(0.299)	(0.307)	(0.299)	(0.310)	(0.304)
Observations	3,448	3,448	3,448	2,608	2,608	2,608	1,207	1,207	1,207
All OmitMissing									
Fertility	0.392	0.400	0.440	0.0513	0.0657	0.0972	-0.242	-0.254	-0.186
	(0.288)	(0.286)	(0.294)	(0.273)	(0.275)	(0.289)	(0.439)	(0.448)	(0.423)
Observations	3,032	3,032	3,032	2,152	2,152	2,152	868	868	868
Girls IncludeMissing									
Fertility	0.227	0.231	0.228	0.231	0.264	0.429	-0.480**	-0.589***	-0.685**
	(0.369)	(0.360)	(0.381)	(0.700)	(0.739)	(0.735)	(0.188)	(0.224)	(0.291)
Observations	1,704	1,704	1,704	1,284	1,284	1,284	588	588	588
Girls OmitMissing									
Fertility	0.278	0.288	0.334	0.348	0.364	0.451	-0.631**	-0.637*	-0.727*
	(0.378)	(0.377)	(0.387)	(0.540)	(0.553)	(0.576)	(0.286)	(0.366)	(0.412)
Observations	1,490	1,490	1,490	1,042	1,042	1,042	404	404	404
Boys IncludeMissing									
Fertility	0.520	0.514	0.548	-0.192	-0.173	-0.177	0.825**	0.818**	0.771**
	(0.469)	(0.452)	(0.462)	(0.214)	(0.202)	(0.211)	(0.416)	(0.390)	(0.373)
Observations	1,744	1,744	1,744	1,324	1,324	1,324	619	619	619
Boys OmitMissing									
Fertility	0.591	0.596	0.638	-0.153	-0.128	-0.121	0.804*	0.691*	0.630*
	(0.491)	(0.478)	(0.493)	(0.233)	(0.217)	(0.232)	(0.450)	(0.409)	(0.351)
Observations	1,542	1,542	1,542	1,110	1,110	1,110	464	464	464

Notes: The two plus subsample refers to all first born children in families with at least two births. Three plus refers to first- and second-borns in families with at least three births, etc

Table 8: Verbal Similarities IV Results (DataV1)

Verbal Similarities Z-Score	2+			3+			4+		
	Base	+H	+S&H	Base	+H	+S&H	Base	+H	+S&H
All IncludeMissing									
Fertility	0.0106	-0.0154	0.00969	-0.146	-0.155	-0.0853	-0.270	-0.270	-0.283
	(0.146)	(0.149)	(0.159)	(0.235)	(0.235)	(0.252)	(0.221)	(0.230)	(0.210)
Observations	4,579	4,579	4,579	3,437	3,437	3,437	1,581	1,581	1,581
All OmitMissing									
Fertility	-0.0691	-0.0652	-0.00211	-0.445**	-0.468**	-0.437**	-0.342	-0.338	-0.308
	(0.145)	(0.144)	(0.155)	(0.197)	(0.194)	(0.186)	(0.272)	(0.276)	(0.251)
Observations	2,393	2,393	2,393	2,372	2,372	2,372	1,048	1,048	1,048
Girls IncludeMissing									
Fertility	-0.169	-0.219	-0.199	-0.569*	-0.514*	-0.480	-0.366	-0.296	-0.362
	(0.232)	(0.244)	(0.274)	(0.295)	(0.298)	(0.304)	(0.258)	(0.267)	(0.261)
Observations	2,249	2,249	2,249	1,677	1,677	1,677	779	779	779
Girls OmitMissing									
Fertility	-0.210	-0.207	-0.116	-0.487*	-0.474*	-0.480*	-0.362	-0.389	-0.409
	(0.240)	(0.233)	(0.259)	(0.276)	(0.259)	(0.264)	(0.336)	(0.339)	(0.341)
Observations	1,142	1,142	1,142	1,145	1,145	1,145	490	490	490
Boys IncludeMissing									
Fertility	0.211	0.187	0.225	0.291	0.182	0.272	-0.132	-0.126	-0.212
	(0.211)	(0.204)	(0.212)	(0.300)	(0.325)	(0.314)	(0.303)	(0.311)	(0.279)
Observations	2,330	2,330	2,330	1,760	1,760	1,760	802	802	802
Boys OmitMissing									
Fertility	0.0544	0.0515	0.128	-0.438	-0.532	-0.408	-0.0659	-0.0472	-0.0842
	(0.193)	(0.191)	(0.188)	(0.333)	(0.323)	(0.285)	(0.328)	(0.346)	(0.303)
Observations	1,251	1,251	1,251	1,227	1,227	1,227	558	558	558

NOTES: The two plus subsample refers to all first born children in families with at least two births. Three plus refers to first- and second-borns in families with at least three births, etc

8

Table 9: Number Skills IV Results (DataV1)

Number Skills Z-Score	2+ Base	2+ +H	2+ +S&H	3+ Base	3+ +H	3+ +S&H	4+ Base	4+ +H	4+ +S&H
All IncludeMissing									
Fertility	-0.118	-0.122	-0.0943	-0.404*	-0.423**	-0.353	-0.0138	0.00633	-0.0164
	(0.185)	(0.185)	(0.187)	(0.213)	(0.215)	(0.234)	(0.161)	(0.163)	(0.148)
Observations	4,247	4,247	4,247	3,157	3,157	3,157	1,407	1,407	1,407
All OmitMissing									
Fertility	-0.146	-0.126	-0.0630	-0.620***	-0.622***	-0.571**	-0.0751	-0.0643	-0.0594
	(0.131)	(0.132)	(0.142)	(0.203)	(0.203)	(0.233)	(0.172)	(0.181)	(0.169)
Observations	2,246	2,246	2,246	2,213	2,213	2,213	940	940	940
Girls IncludeMissing									
Fertility	-0.378	-0.391	-0.362	-0.848**	-0.819**	-0.809**	0.136	0.166	0.145
	(0.323)	(0.330)	(0.327)	(0.362)	(0.357)	(0.360)	(0.240)	(0.240)	(0.252)
Observations	2,110	2,110	2,110	1,559	1,559	1,559	697	697	697
Girls OmitMissing									
Fertility	-0.209	-0.195	-0.146	-0.756**	-0.744**	-0.780**	-0.0476	-0.0357	-0.00171
	(0.187)	(0.186)	(0.197)	(0.304)	(0.300)	(0.336)	(0.296)	(0.303)	(0.329)
Observations	1,081	1,081	1,081	1,079	1,079	1,079	440	440	440
Boys IncludeMissing									
Fertility	0.0592	0.0568	0.102	0.0563	0.0336	0.154	0.110	0.106	-0.0159
	(0.215)	(0.211)	(0.219)	(0.287)	(0.291)	(0.288)	(0.170)	(0.169)	(0.181)
Observations	2,137	2,137	2,137	1,598	1,598	1,598	710	710	710
Boys OmitMissing									
Fertility	-0.0539	-0.0338	-0.0146	-0.467**	-0.461**	-0.219	0.169	0.175	0.170
	(0.154)	(0.151)	(0.161)	(0.236)	(0.234)	(0.258)	(0.238)	(0.245)	(0.249)
Observations	1,165	1,165	1,165	1,134	1,134	1,134	500	500	500

Notes: The two plus subsample refers to all first born children in families with at least two births. Three plus refers to first- and second-borns in families with at least three births, etc

Table 10: Word Reading IV Results (DataV1)

Word Reading Z-Score	2+			3+			4+		
	Base	+H	+S&H	Base	+H	+S&H	Base	+H	+S&H
All IncludeMissing									
Fertility	-0.0197	-0.0291	-0.00378	-0.200	-0.212	-0.160	-0.562*	-0.552*	-0.564**
	(0.146)	(0.143)	(0.149)	(0.256)	(0.254)	(0.245)	(0.295)	(0.295)	(0.263)
Observations	4,190	4,190	4,190	3,110	3,110	3,110	1,390	1,390	1,390
All OmitMissing									
Fertility	-0.0179	0.00638	0.0690	-0.126	-0.150	-0.100	-0.593*	-0.575	-0.555*
	(0.160)	(0.156)	(0.163)	(0.220)	(0.221)	(0.204)	(0.359)	(0.359)	(0.325)
Observations	2,214	2,214	2,214	2,180	2,180	2,180	929	929	929
Girls IncludeMissing									
Fertility	0.0861	0.0654	0.117	-0.238	-0.154	-0.149	-0.665***	-0.611***	-0.617***
	(0.220)	(0.223)	(0.227)	(0.447)	(0.413)	(0.401)	(0.245)	(0.221)	(0.226)
Observations	2,081	2,081	2,081	1,538	1,538	1,538	685	685	685
Girls OmitMissing									
Fertility	0.254	0.275	0.365	0.112	0.117	0.118	-0.695***	-0.631**	-0.578**
	(0.241)	(0.234)	(0.241)	(0.279)	(0.258)	(0.244)	(0.252)	(0.251)	(0.252)
Observations	1,064	1,064	1,064	1,066	1,066	1,066	432	432	432
Boys IncludeMissing									
Fertility	-0.0408	-0.0553	-0.0274	-0.258	-0.378	-0.292	-0.343	-0.301	-0.418
	(0.189)	(0.183)	(0.187)	(0.284)	(0.302)	(0.324)	(0.376)	(0.373)	(0.327)
Observations	2,109	2,109	2,109	1,572	1,572	1,572	705	705	705
Boys OmitMissing									
Fertility	-0.237*	-0.210	-0.173	-0.591**	-0.688**	-0.505	-0.281	-0.243	-0.387
	(0.135)	(0.138)	(0.154)	(0.265)	(0.280)	(0.362)	(0.487)	(0.485)	(0.434)
Observations	1,150	1,150	1,150	1,114	1,114	1,114	497	497	497

Notes: The two plus subsample refers to all first born children in families with at least two births. Three plus refers to first- and second-borns in families with at least three births, etc

Table 11: Pattern Construction IV Results (DataV1)

Pattern Construction Z-Score	2+			3+			4+		
	Base	+H	+S&H	Base	+H	+S&H	Base	+H	+S&H
All IncludeMissing									
Fertility	-0.391	-0.398	-0.396	0.212	0.185	0.253	-0.352	-0.354	-0.289
	(0.287)	(0.288)	(0.298)	(0.260)	(0.279)	(0.325)	(0.405)	(0.434)	(0.437)
Observations	4,233	4,233	4,233	3,141	3,141	3,141	1,401	1,401	1,401
All OmitMissing									
Fertility	-0.342*	-0.334*	-0.292	-0.105	-0.148	-0.126	-0.591	-0.605	-0.592
	(0.180)	(0.179)	(0.184)	(0.163)	(0.169)	(0.158)	(0.470)	(0.502)	(0.475)
Observations	2,233	2,233	2,233	2,200	2,200	2,200	937	937	937
Girls IncludeMissing									
Fertility	-0.802	-0.792	-0.788	0.338	0.421	0.436	-0.395	-0.391	-0.355
	(0.594)	(0.589)	(0.608)	(0.451)	(0.558)	(0.611)	(0.441)	(0.464)	(0.476)
Observations	2,103	2,103	2,103	1,553	1,553	1,553	691	691	691
Girls OmitMissing									
Fertility	-0.340	-0.283	-0.240	0.00433	0.0113	0.0151	-0.911**	-0.957**	-0.993**
	(0.258)	(0.260)	(0.269)	(0.196)	(0.182)	(0.189)	(0.357)	(0.387)	(0.413)
Observations	1,074	1,074	1,074	1,076	1,076	1,076	437	437	437
Boys IncludeMissing									
Fertility	-0.0530	-0.0702	-0.0651	0.101	0.0594	0.132	0.136	0.123	0.103
	(0.187)	(0.186)	(0.196)	(0.273)	(0.279)	(0.263)	(0.306)	(0.299)	(0.322)
Observations	2,130	2,130	2,130	1,588	1,588	1,588	710	710	710
Boys OmitMissing									
Fertility	-0.360	-0.384*	-0.343	-0.316	-0.406	-0.284	0.138	0.165	0.172
	(0.230)	(0.218)	(0.212)	(0.339)	(0.333)	(0.283)	(0.375)	(0.383)	(0.394)
Observations	1,159	1,159	1,159	1,124	1,124	1,124	500	500	500

NOTES: The two plus subsample refers to all first born children in families with at least two births. Three plus refers to first- and second-borns in families with at least three births, etc

Table 12: Help Reading Freq IV Results (DataV1)

Help Reading Freq Z-Score	2+			3+			4+		
	Base	+H	+S&H	Base	+H	+S&H	Base	+H	+S&H
All IncludeMissing									
Fertility	-0.163	-0.165	-0.183	-0.246	-0.263	-0.306	0.477***	0.469***	0.390**
	(0.167)	(0.167)	(0.174)	(0.269)	(0.272)	(0.287)	(0.165)	(0.164)	(0.163)
Observations	4,316	4,316	4,316	3,217	3,217	3,217	1,442	1,442	1,442
All OmitMissing									
Fertility	-0.102	-0.0969	-0.124	-0.00124	-0.0297	-0.0495	0.491***	0.490***	0.430***
	(0.190)	(0.189)	(0.190)	(0.259)	(0.249)	(0.245)	(0.174)	(0.177)	(0.162)
Observations	2,277	2,277	2,277	2,246	2,246	2,246	959	959	959
Girls IncludeMissing									
Fertility	-0.302	-0.319	-0.329	-0.576	-0.590	-0.608	0.474**	0.442*	0.432*
	(0.264)	(0.262)	(0.271)	(0.411)	(0.453)	(0.500)	(0.228)	(0.229)	(0.242)
Observations	2,134	2,134	2,134	1,579	1,579	1,579	707	707	707
Girls OmitMissing									
Fertility	-0.00360	-0.0302	-0.0544	-0.194	-0.196	-0.172	0.405	0.399	0.304
	(0.304)	(0.299)	(0.301)	(0.162)	(0.164)	(0.164)	(0.285)	(0.309)	(0.316)
Observations	1,090	1,090	1,090	1,088	1,088	1,088	444	444	444
Boys IncludeMissing									
Fertility	0.122	0.146	0.164	0.242	0.184	0.105	0.240	0.254	0.168
	(0.221)	(0.226)	(0.235)	(0.396)	(0.388)	(0.396)	(0.242)	(0.243)	(0.191)
Observations	2,182	2,182	2,182	1,638	1,638	1,638	735	735	735
Boys OmitMissing									
Fertility	-0.113	-0.0588	-0.0559	0.607	0.474	0.343	0.335	0.347	0.254
	(0.188)	(0.183)	(0.171)	(0.598)	(0.558)	(0.552)	(0.290)	(0.296)	(0.218)
Observations	1,187	1,187	1,187	1,158	1,158	1,158	515	515	515

Notes: The two plus subsample refers to all first born children in families with at least two births. Three plus refers to first- and second-borns in families with at least three births, etc

12

Table 13: Help Writing Freq IV Results (DataV1)

Help Writing Freq Z-Score	2+			3+			4+		
	Base	+H	+S&H	Base	+H	+S&H	Base	+H	+S&H
All IncludeMissing									
Fertility	-0.343*	-0.350**	-0.371**	-0.239	-0.258	-0.280	0.337	0.313	0.289
	(0.179)	(0.176)	(0.180)	(0.310)	(0.314)	(0.320)	(0.226)	(0.211)	(0.204)
Observations	4,316	4,316	4,316	3,217	3,217	3,217	1,442	1,442	1,442
All OmitMissing									
Fertility	-0.223*	-0.232*	-0.265**	0.0103	-0.000217	-0.0259	0.124	0.114	0.0883
	(0.128)	(0.130)	(0.127)	(0.310)	(0.301)	(0.303)	(0.171)	(0.173)	(0.169)
Observations	2,277	2,277	2,277	2,246	2,246	2,246	959	959	959
Girls IncludeMissing									
Fertility	-0.717**	-0.734***	-0.783***	-0.652	-0.677	-0.701	0.232	0.214	0.251
	(0.285)	(0.266)	(0.275)	(0.491)	(0.538)	(0.568)	(0.349)	(0.322)	(0.333)
Observations	2,134	2,134	2,134	1,579	1,579	1,579	707	707	707
Girls OmitMissing									
Fertility	-0.353**	-0.377**	-0.456***	-0.180	-0.175	-0.209	-0.147	-0.167	-0.212
	(0.172)	(0.175)	(0.168)	(0.164)	(0.147)	(0.166)	(0.193)	(0.199)	(0.213)
Observations	1,090	1,090	1,090	1,088	1,088	1,088	444	444	444
Boys IncludeMissing									
Fertility	0.0207	0.0348	0.0511	0.142	0.0914	0.0949	0.432**	0.410**	0.408**
	(0.241)	(0.236)	(0.250)	(0.450)	(0.442)	(0.446)	(0.215)	(0.193)	(0.199)
Observations	2,182	2,182	2,182	1,638	1,638	1,638	735	735	735
Boys OmitMissing									
Fertility	-0.0827	-0.0689	-0.0693	0.347	0.232	0.249	0.458	0.428	0.445*
	(0.204)	(0.204)	(0.197)	(0.788)	(0.741)	(0.736)	(0.285)	(0.261)	(0.250)
Observations	1,187	1,187	1,187	1,158	1,158	1,158	515	515	515

Notes: The two plus subsample refers to all first born children in families with at least two births. Three plus refers to first- and second-borns in families with at least three births, etc

Table 14: Proactive School Selection IV Results (DataV1)

Proactive School Selection Z-Score	2+			3+			4+		
	Base	+H	+S&H	Base	+H	+S&H	Base	+H	+S&H
All IncludeMissing									
Fertility	0.267	0.254	0.272	0.0763	0.0846	0.119	-0.325***	-0.312***	-0.378***
	(0.232)	(0.229)	(0.239)	(0.354)	(0.362)	(0.365)	(0.118)	(0.119)	(0.108)
Observations	4,316	4,316	4,316	3,217	3,217	3,217	1,442	1,442	1,442
All OmitMissing									
Fertility	0.168	0.146	0.161	0.204	0.217	0.248	-0.328***	-0.337***	-0.327***
	(0.252)	(0.248)	(0.260)	(0.386)	(0.384)	(0.407)	(0.104)	(0.113)	(0.120)
Observations	2,277	2,277	2,277	2,246	2,246	2,246	959	959	959
Girls IncludeMissing									
Fertility	0.245	0.227	0.266	0.272	0.299	0.339	-0.467***	-0.466***	-0.511***
	(0.334)	(0.326)	(0.345)	(0.575)	(0.602)	(0.605)	(0.133)	(0.131)	(0.160)
Observations	2,134	2,134	2,134	1,579	1,579	1,579	707	707	707
Girls OmitMissing									
Fertility	-0.130	-0.135	-0.0773	0.432	0.444	0.482	-0.357*	-0.348	-0.341
	(0.305)	(0.300)	(0.312)	(0.517)	(0.524)	(0.563)	(0.197)	(0.217)	(0.227)
Observations	1,090	1,090	1,090	1,088	1,088	1,088	444	444	444
Boys IncludeMissing									
Fertility	0.308	0.300	0.288	-0.157	-0.127	-0.123	-0.123	-0.105	-0.145
	(0.346)	(0.342)	(0.353)	(0.347)	(0.330)	(0.336)	(0.112)	(0.103)	(0.102)
Observations	2,182	2,182	2,182	1,638	1,638	1,638	735	735	735
Boys OmitMissing									
Fertility	0.313	0.301	0.363	-0.448	-0.375	-0.427	-0.148	-0.122	-0.0922
	(0.412)	(0.404)	(0.441)	(0.291)	(0.284)	(0.314)	(0.176)	(0.168)	(0.148)
Observations	1,187	1,187	1,187	1,158	1,158	1,158	515	515	515

Notes: The two plus subsample refers to all first born children in families with at least two births. Three plus refers to first- and second-borns in families with at least three births, etc

14