

Supplimental Materials: The Relative Importance of School
Readiness Predictors from Kindergarten to Eighth Grade

William M. Murrrah and David Grissmer
University of Virginia

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Introduction
Missing Data Analyses

Variable	Count	Percent Missing
kage.m	1	0.01 %
c1.tdif	464	2.81 %
race	0	0 %
male	0	0 %
twobiopr	0	0 %
mombage	335	2.03 %
momed	251	1.52 %
daded	3208	19.42 %
faminc	0	0 %
numsib	0	0 %
fmotor	803	4.86 %
gmotor	853	5.16 %
t2learn	1313	7.95 %
t2contro	1415	8.56 %
t2interp	1488	9.01 %
t2extern	1377	8.33 %
t2intern	1440	8.72 %
c1read	1584	9.59 %
c1math	745	4.51 %
c1genk	1625	9.84 %
c2read	1566	9.48 %
c2math	1001	6.06 %
c2genk	1592	9.64 %
c4read	3648	22.08 %
c4math	3420	20.7 %
c4genk	3656	22.13 %
c5read	5238	31.7 %
c5math	5176	31.33 %
c5sci	5194	31.44 %
c6read	7536	45.61 %
c6math	7531	45.58 %
c6sci	7535	45.61 %
c7read	9062	54.85 %
c7math	9016	54.57 %
c7sci	9010	54.53 %

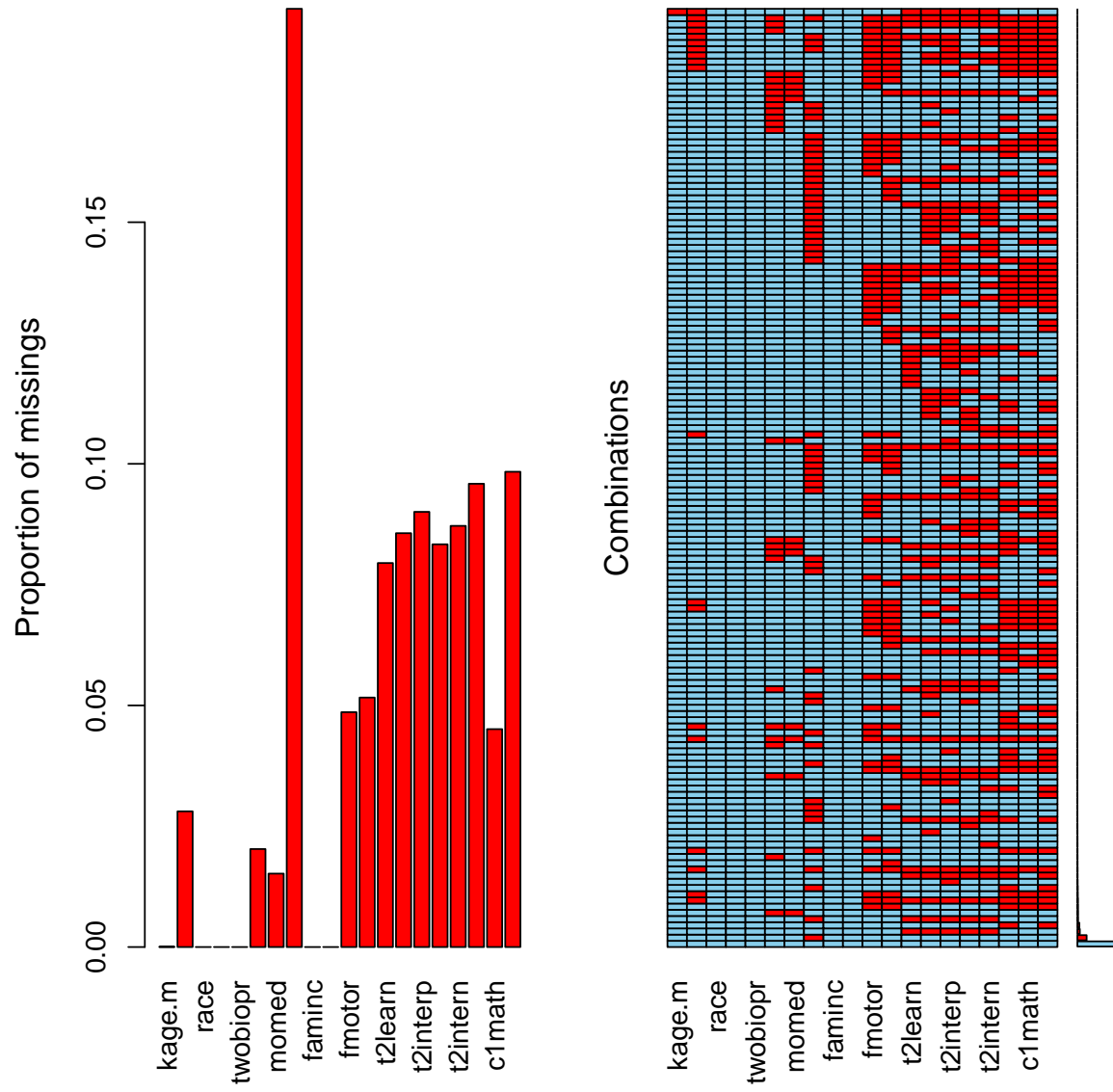


Figure 1. Missing Data Patterns in Predictors

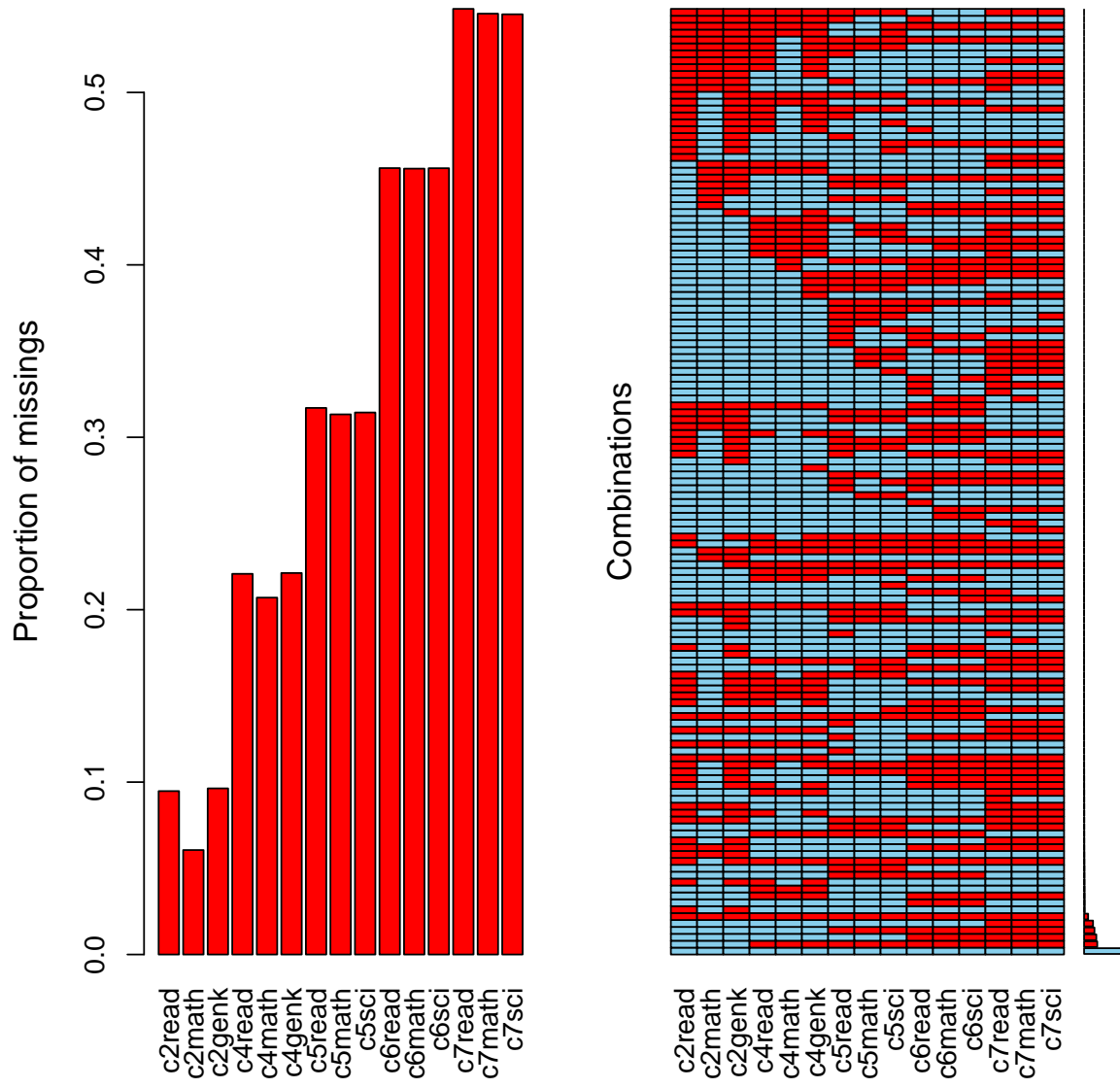


Figure 2. Missing Data Patterns in Outcomes

Table 1
cor2latex

A correlation table from the psych package in R.

Variable	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1 kage.m	1.00																			
2 c1.tdif	-0.08	1.00																		
3 race	-0.09	0.01	1.00																	
4 male	0.06	0.01	-0.01	1.00																
5 twobiopr	-0.01	0.02	-0.08	0.01	1.00															
6 mombage	0.04	0.04	-0.08	0.00	0.17	1.00														
7 momed	0.01	0.05	-0.20	0.00	0.22	0.30	1.00													
8 daded	0.01	0.05	-0.16	0.01	0.15	0.30	0.64	1.00												
9 faminc	-0.01	0.06	-0.18	0.01	0.27	0.24	0.42	0.43	1.00											
10 numsib	0.05	0.01	0.09	0.00	0.11	0.10	-0.13	-0.05	-0.04	1.00										
11 c2read	0.13	-0.01	-0.07	-0.07	0.18	0.15	0.32	0.30	0.22	-0.11	1.00									
12 c2math	0.25	-0.01	-0.19	0.03	0.20	0.19	0.37	0.36	0.28	-0.08	0.68	1.00								
13 c4read	0.13	0.01	-0.13	-0.08	0.19	0.14	0.34	0.33	0.25	-0.11	0.77	0.66	1.00							
14 c4math	0.21	-0.01	-0.20	0.05	0.20	0.16	0.35	0.34	0.26	-0.07	0.56	0.78	0.66	1.00						
15 c5read	0.12	0.01	-0.24	-0.08	0.21	0.17	0.41	0.39	0.30	-0.14	0.58	0.64	0.72	0.64	1.00					
16 c5math	0.14	0.01	-0.20	0.10	0.22	0.16	0.38	0.37	0.29	-0.09	0.53	0.73	0.62	0.78	0.73	1.00				
17 c6read	0.10	0.03	-0.25	-0.06	0.20	0.18	0.42	0.41	0.29	-0.15	0.54	0.62	0.68	0.63	0.85	0.71	1.00			
18 c6math	0.09	0.03	-0.18	0.12	0.23	0.17	0.38	0.37	0.28	-0.09	0.49	0.68	0.58	0.73	0.69	0.87	0.73	1.00		
19 c7read	0.07	0.05	-0.23	-0.08	0.24	0.18	0.41	0.40	0.29	-0.11	0.44	0.54	0.56	0.55	0.74	0.64	0.78	0.67	1.00	
20 c7math	0.06	0.04	-0.18	0.06	0.25	0.16	0.39	0.37	0.28	-0.07	0.45	0.61	0.54	0.66	0.66	0.79	0.69	0.85	0.73	1.00

Table 2
cor2latex

A correlation table from the psych package in R.

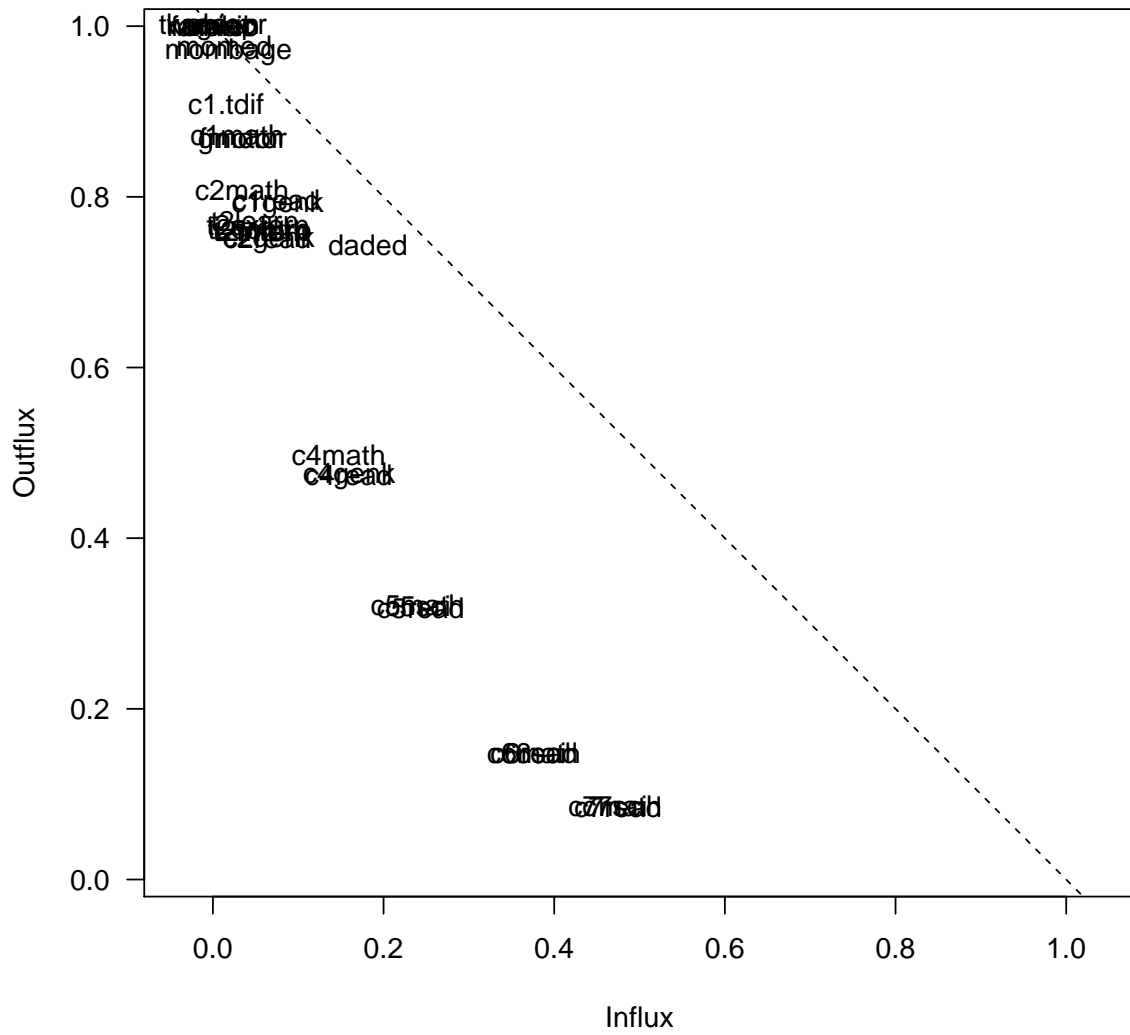
Variable	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1 fmotor	1.00																			
2 gmotor	0.25	1.00																		
3 t2learn	0.35	0.21	1.00																	
4 t2contro	0.18	0.09	0.65	1.00																
5 t2interp	0.20	0.13	0.69	0.80	1.00															
6 t2extern	-0.15	-0.09	-0.52	-0.72	-0.61	1.00														
7 t2intern	-0.15	-0.11	-0.40	-0.32	-0.37	0.30	1.00													
8 clread	0.33	0.14	0.35	0.17	0.19	-0.13	-0.16	1.00												
9 clmath	0.43	0.20	0.42	0.20	0.22	-0.14	-0.20	0.72	1.00											
10 clgenk	0.37	0.18	0.34	0.19	0.22	-0.14	-0.16	0.50	0.62	1.00										
11 c2read	0.33	0.15	0.38	0.18	0.20	-0.14	-0.16	0.83	0.67	0.45	1.00									
12 c2math	0.44	0.20	0.43	0.20	0.23	-0.15	-0.19	0.64	0.83	0.59	0.68	1.00								
13 c4read	0.36	0.15	0.42	0.21	0.23	-0.17	-0.17	0.68	0.65	0.48	0.77	0.66	1.00							
14 c4math	0.43	0.18	0.42	0.21	0.23	-0.16	-0.18	0.54	0.72	0.56	0.56	0.78	0.66	1.00						
15 c5read	0.38	0.15	0.42	0.22	0.25	-0.17	-0.17	0.54	0.63	0.61	0.58	0.64	0.72	0.64	1.00					
16 c5math	0.43	0.14	0.42	0.20	0.23	-0.15	-0.18	0.51	0.69	0.56	0.53	0.73	0.62	0.78	0.73	1.00				
17 c6read	0.37	0.12	0.40	0.21	0.23	-0.16	-0.15	0.50	0.60	0.61	0.54	0.62	0.68	0.63	0.85	0.71	1.00			
18 c6math	0.42	0.12	0.41	0.20	0.22	-0.15	-0.17	0.47	0.63	0.54	0.49	0.68	0.58	0.73	0.69	0.87	0.73	1.00		
19 c7read	0.34	0.11	0.37	0.21	0.23	-0.18	-0.15	0.43	0.52	0.55	0.44	0.54	0.56	0.55	0.74	0.64	0.78	0.67	1.00	
20 c7math	0.40	0.12	0.38	0.21	0.22	-0.16	-0.16	0.43	0.57	0.50	0.45	0.61	0.54	0.66	0.66	0.79	0.69	0.85	0.73	1.00

Proportion of Usable Information

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
∞	1 kage.m	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
	2 c1.tdif	1.00	0.00	1.00	1.00	1.00	0.96	0.97	0.72	1.00	1.00	0.00	0.00	0.44	0.43	0.42	0.44	0.43	0.00	0.00	0.00
	3 race																				
	4 male																				
	5 twobiopr																				
	6 mombage	1.00	0.94	1.00	1.00	1.00	0.00	0.25	0.95	1.00	1.00	0.93	0.93	0.88	0.87	0.87	0.88	0.88	0.90	0.93	0.90
	7 momed	1.00	0.94	1.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.91	0.91	0.88	0.88	0.87	0.88	0.88	0.89	0.92	0.89
	8 daded	1.00	0.96	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.95	0.94	0.90	0.90	0.89	0.90	0.89	0.90	0.95	0.90
	9 faminc																				
	10 numsib																				
	11 fmotor	1.00	0.42	1.00	1.00	1.00	0.97	0.97	0.79	1.00	1.00	0.00	0.08	0.65	0.63	0.62	0.64	0.63	0.10	0.10	0.08
	12 gmotor	1.00	0.46	1.00	1.00	1.00	0.97	0.97	0.78	1.00	1.00	0.13	0.00	0.66	0.64	0.64	0.66	0.65	0.14	0.15	0.11
	13 t2learn	1.00	0.80	1.00	1.00	1.00	0.97	0.98	0.76	1.00	1.00	0.78	0.78	0.00	0.00	0.00	0.00	0.00	0.71	0.79	0.71
	14 t2contro	1.00	0.81	1.00	1.00	1.00	0.97	0.98	0.77	1.00	1.00	0.79	0.79	0.08	0.00	0.05	0.07	0.06	0.71	0.79	0.71
	15 t2interp	1.00	0.82	1.00	1.00	1.00	0.97	0.98	0.77	1.00	1.00	0.80	0.80	0.12	0.10	0.00	0.11	0.11	0.72	0.80	0.72
	16 t2extern	1.00	0.81	1.00	1.00	1.00	0.97	0.98	0.76	1.00	1.00	0.79	0.79	0.05	0.04	0.04	0.00	0.04	0.72	0.80	0.71
	17 t2intern	1.00	0.82	1.00	1.00	1.00	0.97	0.98	0.76	1.00	1.00	0.79	0.79	0.09	0.08	0.08	0.08	0.00	0.71	0.80	0.71
	18 clread	1.00	0.71	1.00	1.00	1.00	0.98	0.98	0.80	1.00	1.00	0.55	0.54	0.76	0.74	0.74	0.75	0.74	0.00	0.54	0.01
	19 clmath	1.00	0.38	1.00	1.00	1.00	0.97	0.97	0.79	1.00	1.00	0.03	0.02	0.62	0.60	0.60	0.62	0.61	0.03	0.00	0.00
	20 clgenk	1.00	0.72	1.00	1.00	1.00	0.98	0.98	0.80	1.00	1.00	0.55	0.53	0.76	0.75	0.74	0.76	0.74	0.03	0.54	0.00
	1 c2read	1.00	0.84	1.00	1.00	1.00	0.97	0.98	0.78	1.00	1.00	0.75	0.74	0.53	0.52	0.52	0.53	0.52	0.38	0.75	0.37
	2 c2math	1.00	0.75	1.00	1.00	1.00	0.96	0.98	0.75	1.00	1.00	0.62	0.62	0.32	0.31	0.31	0.32	0.31	0.58	0.62	0.57
	3 c2genk	1.00	0.84	1.00	1.00	1.00	0.97	0.98	0.78	1.00	1.00	0.75	0.74	0.54	0.53	0.53	0.54	0.52	0.38	0.74	0.37
	4 c4read	1.00	0.92	1.00	1.00	1.00	0.97	0.98	0.77	1.00	1.00	0.89	0.89	0.77	0.76	0.75	0.76	0.75	0.80	0.90	0.79
	5 c4math	1.00	0.92	1.00	1.00	1.00	0.97	0.98	0.76	1.00	1.00	0.89	0.89	0.76	0.75	0.75	0.76	0.75	0.85	0.89	0.84
	6 c4genk	1.00	0.92	1.00	1.00	1.00	0.97	0.98	0.77	1.00	1.00	0.89	0.89	0.77	0.76	0.75	0.76	0.75	0.80	0.90	0.79
	7 c5read	1.00	0.94	1.00	1.00	1.00	0.97	0.98	0.76	1.00	1.00	0.92	0.92	0.83	0.83	0.82	0.83	0.83	0.88	0.92	0.87
	8 c5math	1.00	0.94	1.00	1.00	1.00	0.97	0.98	0.76	1.00	1.00	0.92	0.92	0.83	0.82	0.82	0.83	0.82	0.88	0.92	0.87
	9 c5sci	1.00	0.94	1.00	1.00	1.00	0.97	0.98	0.76	1.00	1.00	0.92	0.92	0.83	0.82	0.82	0.83	0.83	0.88	0.92	0.87
	10 c6read	1.00	0.96	1.00	1.00	1.00	0.98	0.98	0.77	1.00	1.00	0.93	0.93	0.87	0.86	0.86	0.86	0.86	0.90	0.94	0.89
	11 c6math	1.00	0.96	1.00	1.00	1.00	0.98	0.98	0.77	1.00	1.00	0.93	0.93	0.87	0.86	0.86	0.86	0.86	0.90	0.94	0.89
	12 c6sci	1.00	0.96	1.00	1.00	1.00	0.98	0.98	0.77	1.00	1.00	0.93	0.93	0.87	0.86	0.86	0.87	0.86	0.90	0.94	0.89
	13 c7read	1.00	0.96	1.00	1.00	1.00	0.98	0.98	0.77	1.00	1.00	0.93	0.93	0.88	0.88	0.87	0.88	0.88	0.89	0.94	0.89
	14 c7math	1.00	0.96	1.00	1.00	1.00	0.98	0.98	0.77	1.00	1.00	0.93	0.93	0.88	0.88	0.87	0.88	0.88	0.89	0.94	0.89
	15 c7sci	1.00	0.96	1.00	1.00	1.00	0.98	0.98	0.77	1.00	1.00	0.93	0.93	0.88	0.88	0.87	0.88	0.88	0.89	0.94	0.89

	pobs	influx	outflux	ainb	aout	fico
kage.m	1.00	0.00	1.00	0.37	0.17	0.69
c1.tdif	0.97	0.02	0.91	0.45	0.16	0.68
race	1.00	0.00	1.00		0.17	0.69
male	1.00	0.00	1.00		0.17	0.69
twobiopr	1.00	0.00	1.00		0.17	0.69
mombage	0.98	0.02	0.97	0.75	0.17	0.69
momed	0.98	0.01	0.98	0.74	0.17	0.69
daded	0.81	0.18	0.74	0.78	0.15	0.62
faminc	1.00	0.00	1.00		0.17	0.69
numsib	1.00	0.00	1.00		0.17	0.69
fmotor	0.95	0.03	0.87	0.55	0.15	0.68
gmotor	0.95	0.03	0.86	0.56	0.15	0.68
t2learn	0.92	0.05	0.77	0.52	0.14	0.67
t2contro	0.91	0.05	0.76	0.53	0.14	0.67
t2interp	0.91	0.06	0.76	0.55	0.14	0.66
t2extern	0.92	0.05	0.77	0.53	0.14	0.67
t2intern	0.91	0.06	0.76	0.54	0.14	0.66
c1read	0.90	0.07	0.80	0.64	0.15	0.66
c1math	0.95	0.03	0.87	0.52	0.15	0.68
c1genk	0.90	0.08	0.79	0.64	0.15	0.66
c2read	0.91	0.06	0.75	0.56	0.14	0.66
c2math	0.94	0.03	0.81	0.47	0.14	0.67
c2genk	0.90	0.07	0.75	0.56	0.14	0.66
c4read	0.78	0.16	0.47	0.60	0.10	0.61
c4math	0.79	0.15	0.50	0.59	0.11	0.61
c4genk	0.78	0.16	0.47	0.60	0.10	0.61
c5read	0.68	0.24	0.32	0.64	0.08	0.55
c5math	0.69	0.24	0.32	0.64	0.08	0.55
c5sci	0.69	0.24	0.32	0.64	0.08	0.55
c6read	0.54	0.38	0.15	0.69	0.05	0.44
c6math	0.54	0.38	0.15	0.69	0.05	0.44
c6sci	0.54	0.38	0.15	0.69	0.05	0.44
c7read	0.45	0.47	0.09	0.72	0.03	0.32
c7math	0.45	0.47	0.09	0.72	0.03	0.33
c7sci	0.45	0.47	0.09	0.72	0.03	0.33

Influx-outflux pattern for df



Standardized Regression Results

Describe regression results...

Table 3

Standardized Regression Models Predicting Kindergarten - 8th Grade Reading Using Sampling Weights

	Kindergarten	1st	3rd	5th	8th
(intercept)	−0.04 (0.02)*	−0.15 (0.02)***	−0.16 (0.03)***	−0.23 (0.03)***	−0.32 (0.04)***
Age (months)	−0.02 (0.01)***	−0.05 (0.01)***	−0.09 (0.01)***	−0.11 (0.01)***	−0.11 (0.01)***
Test Adj.	−0.10 (0.00)***	−0.07 (0.01)***	−0.05 (0.01)***	−0.04 (0.01)***	−0.02 (0.01)*
Black	−0.02 (0.01)	−0.03 (0.02)	−0.14 (0.02)***	−0.19 (0.02)***	−0.35 (0.03)***
Hispanic	0.05 (0.01)***	0.03 (0.02)	−0.04 (0.02)*	−0.02 (0.02)	−0.08 (0.03)**
Asian	0.14 (0.03)***	0.09 (0.04)*	0.01 (0.04)	0.04 (0.04)	0.12 (0.05)**
Native Am.	0.00 (0.03)	−0.15 (0.05)**	−0.38 (0.06)***	−0.34 (0.06)***	−0.32 (0.07)***
Male	−0.02 (0.01)**	−0.05 (0.01)***	−0.11 (0.01)***	−0.07 (0.01)***	−0.11 (0.01)***
2 biological parents	0.02 (0.01)	0.03 (0.01)*	0.03 (0.02)	0.01 (0.02)	0.08 (0.02)***
Mother's age at birth	0.00 (0.00)	−0.02 (0.01)*	−0.01 (0.01)	0.00 (0.01)	0.02 (0.01)
Mother-high school	0.04 (0.01)*	0.10 (0.02)***	0.14 (0.03)***	0.13 (0.03)***	0.19 (0.04)***
Mother-high school plus	0.04 (0.02)**	0.11 (0.02)***	0.17 (0.03)***	0.21 (0.03)***	0.27 (0.04)***
Mother-college	0.04 (0.02)*	0.13 (0.03)***	0.23 (0.03)***	0.26 (0.04)***	0.35 (0.05)***
Mother-college plus	0.05 (0.02)	0.10 (0.03)**	0.22 (0.04)***	0.25 (0.04)***	0.33 (0.05)***
Father-high school	0.00 (0.02)	0.04 (0.02)	0.05 (0.02)	0.10 (0.02)***	0.13 (0.03)***
Father-high school plus	0.00 (0.02)	0.07 (0.02)**	0.10 (0.03)***	0.16 (0.03)***	0.19 (0.03)***
Father-college	−0.03 (0.02)	0.10 (0.03)**	0.13 (0.03)***	0.18 (0.03)***	0.24 (0.03)***
Father-college plus	0.00 (0.02)	0.11 (0.03)***	0.15 (0.03)***	0.20 (0.04)***	0.23 (0.04)***
Family income	0.00 (0.01)	0.01 (0.01)	0.01 (0.01)	0.00 (0.01)	0.00 (0.01)
Number of siblings	−0.01 (0.00)	−0.02 (0.01)**	−0.04 (0.01)***	−0.05 (0.01)***	−0.04 (0.01)**
Fine motor skills	0.03 (0.01)***	0.06 (0.01)***	0.08 (0.01)***	0.10 (0.01)***	0.11 (0.01)***
Gross motor skills	0.01 (0.00)*	0.00 (0.01)	0.00 (0.01)	−0.01 (0.01)	−0.01 (0.01)
Attention	0.08 (0.01)***	0.16 (0.01)***	0.15 (0.01)***	0.16 (0.01)***	0.14 (0.01)***
Self-control	0.00 (0.01)	−0.01 (0.01)	0.00 (0.01)	0.00 (0.01)	−0.01 (0.01)
Interpersonal skills	−0.02 (0.01)*	−0.03 (0.01)**	−0.02 (0.01)*	−0.03 (0.02)	−0.02 (0.01)
Externalizing behavior	0.01 (0.01)	0.00 (0.01)	0.01 (0.01)	0.00 (0.01)	−0.03 (0.01)
Internalizing behavior	0.01 (0.00)	0.01 (0.01)*	0.01 (0.01)*	0.02 (0.01)*	0.01 (0.01)
Kindergarten reading	0.70 (0.01)***	0.39 (0.01)***	0.12 (0.01)***	0.07 (0.01)***	0.03 (0.01)**
Kindergarten math	0.13 (0.01)***	0.24 (0.01)***	0.23 (0.01)***	0.20 (0.01)***	0.15 (0.01)***
Kindergarten general knowledge	0.00 (0.01)	0.07 (0.01)***	0.30 (0.01)***	0.33 (0.01)***	0.28 (0.01)***
Num. obs.	16522	16522	16522	16522	16522
R ²	0.70	0.56	0.56	0.53	0.47
Adj. R ²	0.70	0.56	0.56	0.53	0.47

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$

Table 4

Standardized Regression Models Predicting Kindergarten - 8th Grade Math Using Sampling Weights

	Kindergarten	1st	3rd	5th	8th
(intercept)	-0.04 (0.02)*	-0.10 (0.02)***	-0.23 (0.03)***	-0.30 (0.03)***	-0.40 (0.04)***
Age (months)	0.01 (0.00)	-0.02 (0.01)***	-0.10 (0.01)***	-0.13 (0.01)***	-0.14 (0.01)***
Test Adj.	-0.07 (0.00)***	-0.08 (0.01)***	-0.06 (0.01)***	-0.04 (0.01)***	-0.03 (0.01)***
Black	-0.09 (0.01)***	-0.17 (0.02)***	-0.27 (0.02)***	-0.38 (0.02)***	-0.37 (0.03)***
Hispanic	-0.05 (0.01)***	-0.03 (0.02)	-0.01 (0.02)	0.01 (0.02)	-0.02 (0.02)
Asian	0.04 (0.03)	-0.08 (0.04)*	0.03 (0.03)	0.16 (0.04)***	0.15 (0.04)***
Native Am.	0.01 (0.03)	-0.10 (0.05)*	-0.24 (0.05)***	-0.25 (0.07)***	-0.31 (0.06)***
Male	0.08 (0.01)***	0.15 (0.01)***	0.26 (0.01)***	0.28 (0.01)***	0.19 (0.01)***
2 biological parents	0.00 (0.01)	0.00 (0.01)	0.01 (0.01)	0.03 (0.02)	0.10 (0.02)***
Mother's age at birth	0.00 (0.00)	-0.01 (0.01)	-0.01 (0.01)*	0.00 (0.01)	-0.01 (0.01)
Mother-high school	0.03 (0.01)*	0.04 (0.02)	0.07 (0.02)**	0.09 (0.03)***	0.11 (0.03)***
Mother-high school plus	0.04 (0.02)*	0.05 (0.02)*	0.12 (0.02)***	0.16 (0.03)***	0.23 (0.03)***
Mother-college	0.05 (0.02)*	0.09 (0.03)**	0.19 (0.03)***	0.22 (0.03)***	0.30 (0.04)***
Mother-college plus	0.07 (0.02)**	0.10 (0.03)**	0.21 (0.03)***	0.24 (0.04)***	0.26 (0.04)***
Father-high school	-0.01 (0.01)	-0.01 (0.02)	0.01 (0.02)	0.04 (0.03)	0.10 (0.03)***
Father-high school plus	-0.01 (0.02)	0.03 (0.02)	0.06 (0.02)*	0.09 (0.03)***	0.15 (0.04)***
Father-college	-0.02 (0.02)	0.05 (0.03)	0.09 (0.03)***	0.11 (0.03)***	0.19 (0.04)***
Father-college plus	0.00 (0.02)	0.06 (0.03)	0.10 (0.03)**	0.12 (0.03)***	0.20 (0.05)***
Family income	0.00 (0.01)	0.00 (0.01)	0.00 (0.01)	0.01 (0.01)	0.00 (0.01)
Number of siblings	0.01 (0.00)*	0.02 (0.01)**	0.00 (0.01)	-0.01 (0.01)	0.00 (0.01)
Fine motor skills	0.08 (0.01)***	0.12 (0.01)***	0.15 (0.01)***	0.17 (0.01)***	0.17 (0.01)***
Gross motor skills	0.01 (0.00)**	0.02 (0.01)***	0.00 (0.01)	0.00 (0.01)	0.01 (0.01)
Attention	0.08 (0.01)***	0.14 (0.01)***	0.19 (0.01)***	0.21 (0.01)***	0.18 (0.01)***
Self-control	-0.01 (0.01)	-0.02 (0.01)	-0.03 (0.01)**	-0.02 (0.01)	0.00 (0.02)
Interpersonal skills	-0.01 (0.01)	-0.01 (0.01)	-0.01 (0.01)	-0.02 (0.01)	-0.02 (0.01)
Externalizing behavior	0.00 (0.01)	0.00 (0.01)	0.01 (0.01)	0.00 (0.01)	-0.01 (0.01)
Internalizing behavior	0.00 (0.00)	0.01 (0.01)	0.01 (0.01)	0.00 (0.01)	0.00 (0.01)
Kindergarten reading	0.09 (0.01)***	0.03 (0.01)***	0.02 (0.01)	-0.01 (0.01)	0.00 (0.01)
Kindergarten math	0.63 (0.01)***	0.49 (0.01)***	0.41 (0.01)***	0.33 (0.01)***	0.27 (0.01)***
Kindergarten general knowledge	0.09 (0.01)***	0.14 (0.01)***	0.17 (0.01)***	0.19 (0.01)***	0.16 (0.01)***
Num. obs.	16522	16522	16522	16522	16522
R ²	0.72	0.58	0.58	0.55	0.49
Adj. R ²	0.72	0.58	0.58	0.55	0.49

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$

Relative Importance Metrics

Describe RI metrics...

Table 5

Relative Importance Metrics for Predictors of Fall of Kindergarten Reading

<i>predictor</i>	b^*	r	r^2	rlw	$prop.R^2$
Age (months)	-0.020	0.140	0.020	0.000	0.010
Test Adj.	-0.099	-0.010	0.000	0.000	0.010
Black	0.000	-0.114	0.010	0.000	0.000
Hispanic	0.020	-0.134	0.020	0.000	0.007
Asian	0.030	0.114	0.010	0.008	0.010
Native Am.	0.000	-0.060	0.000	0.000	0.000
Male	-0.011	-0.070	0.000	0.000	0.000
2 biological parents	0.010	0.176	0.030	0.009	0.010
Mother's age at birth	0.000	0.158	0.021	0.000	0.010
Mother-high school	0.010	-0.126	0.020	0.000	0.000
Mother-high school plus	0.012	0.020	0.000	0.000	0.000
Mother-college	0.014	0.179	0.030	0.010	0.010
Mother-college plus	0.016	0.196	0.040	0.010	0.010
Father-high school	0.003	-0.142	0.020	0.000	0.000
Father-high school plus	0.002	0.021	0.000	0.000	0.000
Father-college	-0.005	0.154	0.020	0.001	0.010
Father-college plus	0.009	0.230	0.050	0.010	0.020
Family income	-0.009	0.230	0.050	0.010	0.010
Number of siblings	-0.010	-0.119	0.010	0.010	0.010
Fine motor skills	0.021	0.330	0.110	0.020	0.030
Gross motor skills	0.009	0.151	0.020	0.000	0.010
Attention	0.082	0.375	0.140	0.030	0.044
Self-control	0.002	0.180	0.030	0.000	0.010
Interpersonal skills	-0.019	0.200	0.040	0.010	0.010
Externalizing behavior	0.006	-0.140	0.020	0.000	0.000
Internalizing behavior	0.005	-0.160	0.025	0.000	0.010
Kindergarten reading	0.700	0.820	0.671	0.353	0.509
Kindergarten math	0.126	0.669	0.442	0.140	0.200
Kindergarten general knowledge	-0.001	0.460	0.210	0.050	0.070

Table 6

Relative Importance Metrics for Predictors of Fall of 8th Grade Reading

<i>predictor</i>	b^*	r	r^2	rlw	$prop.R^2$
Age (months)	-0.105	0.052	0.000	0.005	0.010
Test Adj.	-0.023	0.032	0.000	0.000	0.000
Black	-0.132	-0.287	0.081	0.032	0.072
Hispanic	-0.035	-0.168	0.030	0.010	0.021
Asian	0.027	0.075	0.007	0.000	0.004
Native Am.	-0.042	-0.082	0.010	0.000	0.010
Male	-0.056	-0.087	0.010	0.001	0.010
2 biological parents	0.040	0.262	0.069	0.015	0.031
Mother's age at birth	0.017	0.193	0.039	0.010	0.013
Mother-high school	0.087	-0.138	0.020	0.000	0.000
Mother-high school plus	0.131	0.066	0.001	0.009	0.013
Mother-college	0.129	0.231	0.052	0.019	0.037
Mother-college plus	0.092	0.198	0.040	0.010	0.025
Father-high school	0.066	-0.156	0.023	0.000	0.001
Father-high school plus	0.088	0.066	0.003	0.003	0.010
Father-college	0.094	0.201	0.040	0.010	0.028
Father-college plus	0.076	0.227	0.050	0.010	0.030
Family income	0.000	0.291	0.087	0.010	0.030
Number of siblings	-0.037	-0.125	0.015	0.010	0.014
Fine motor skills	0.103	0.376	0.140	0.040	0.081
Gross motor skills	-0.013	0.125	0.017	0.000	0.010
Attention	0.147	0.393	0.155	0.038	0.078
Self-control	-0.011	0.235	0.056	0.010	0.018
Interpersonal skills	-0.013	0.252	0.064	0.010	0.020
Externalizing behavior	-0.024	-0.197	0.040	0.010	0.011
Internalizing behavior	0.009	-0.161	0.028	0.000	0.010
Kindergarten reading	0.030	0.437	0.192	0.040	0.082
Kindergarten math	0.143	0.521	0.273	0.060	0.132
Kindergarten general knowledge	0.266	0.557	0.310	0.096	0.202

Table 7

Relative Importance Metrics for Predictors of Fall of Kindergarten Math

<i>predictor</i>	b^*	r	r^2	rlw	$prop.R^2$
Age (months)	0.008	0.241	0.060	0.020	0.020
Test Adj.	-0.074	-0.001	0.000	0.000	0.000
Black	-0.030	-0.186	0.030	0.010	0.010
Hispanic	-0.019	-0.199	0.040	0.010	0.013
Asian	0.009	0.070	0.007	0.000	0.000
Native Am.	0.002	-0.050	0.000	0.000	0.000
Male	0.041	0.030	0.000	0.000	0.000
2 biological parents	0.000	0.200	0.040	0.010	0.010
Mother's age at birth	-0.002	0.186	0.031	0.010	0.010
Mother-high school	0.010	-0.139	0.020	0.000	0.000
Mother-high school plus	0.018	0.030	0.000	0.000	0.000
Mother-college	0.019	0.206	0.040	0.010	0.010
Mother-college plus	0.020	0.210	0.040	0.010	0.010
Father-high school	0.001	-0.151	0.020	0.000	0.000
Father-high school plus	-0.002	0.030	0.000	0.000	0.000
Father-college	0.001	0.176	0.030	0.010	0.010
Father-college plus	0.008	0.241	0.060	0.010	0.020
Family income	0.004	0.280	0.080	0.010	0.020
Number of siblings	0.010	-0.080	0.010	0.000	0.000
Fine motor skills	0.077	0.440	0.196	0.050	0.070
Gross motor skills	0.011	0.198	0.040	0.010	0.010
Attention	0.088	0.423	0.180	0.040	0.060
Self-control	-0.008	0.203	0.040	0.010	0.010
Interpersonal skills	-0.007	0.232	0.052	0.010	0.010
Externalizing behavior	0.002	-0.150	0.020	0.000	0.000
Internalizing behavior	0.000	-0.190	0.039	0.010	0.010
Kindergarten reading	0.087	0.640	0.410	0.120	0.172
Kindergarten math	0.622	0.820	0.677	0.264	0.371
Kindergarten general knowledge	0.090	0.600	0.360	0.090	0.121

Table 8

Relative Importance Metrics for Predictors of Fall of 8th Grade Math

<i>predictor</i>	b^*	r	r^2	rlw	$prop.R^2$
Age (months)	-0.131	0.046	0.000	0.010	0.010
Test Adj.	-0.030	0.027	0.000	0.000	0.000
Black	-0.137	-0.292	0.088	0.032	0.071
Hispanic	-0.015	-0.132	0.020	0.009	0.010
Asian	0.036	0.105	0.010	0.001	0.010
Native Am.	-0.041	-0.081	0.010	0.000	0.010
Male	0.092	0.048	0.000	0.010	0.011
2 biological parents	0.049	0.275	0.076	0.018	0.036
Mother's age at birth	-0.004	0.174	0.030	0.001	0.010
Mother-high school	0.046	-0.160	0.026	0.000	0.009
Mother-high school plus	0.105	0.064	0.000	0.008	0.010
Mother-college	0.108	0.230	0.050	0.017	0.030
Mother-college plus	0.072	0.186	0.034	0.010	0.020
Father-high school	0.053	-0.160	0.026	0.000	0.002
Father-high school plus	0.070	0.057	0.000	0.000	0.009
Father-college	0.075	0.190	0.039	0.010	0.020
Father-college plus	0.067	0.226	0.050	0.010	0.025
Family income	0.003	0.284	0.081	0.010	0.027
Number of siblings	-0.007	-0.085	0.010	0.000	0.005
Fine motor skills	0.165	0.424	0.180	0.060	0.126
Gross motor skills	0.011	0.139	0.020	0.002	0.010
Attention	0.179	0.408	0.167	0.040	0.090
Self-control	-0.003	0.230	0.053	0.010	0.019
Interpersonal skills	-0.015	0.244	0.060	0.010	0.020
Externalizing behavior	-0.002	-0.180	0.032	0.005	0.010
Internalizing behavior	0.003	-0.176	0.030	0.006	0.010
Kindergarten reading	-0.001	0.435	0.188	0.040	0.080
Kindergarten math	0.255	0.560	0.314	0.086	0.176
Kindergarten general knowledge	0.149	0.510	0.261	0.064	0.134