

Table 1: Correlogram of continuous features

	Household Income	HOME	Parental Inv.	Birthweight	Maternal Degree	Welfare
Household Income ^a						
HOME	0.32****					
Parental Inv. ^b	0.24****	0.26****				
Birthweight	0.10****	0.13****	0.08****			
Maternal Degree ^c	0.46****	0.46****	0.24****	0.19****		
Welfare ^d	0.39****	0.38****	0.22****	0.13****	0.40****	
#Minors ^e	-0.05****	-0.16****	-0.15****	-0.09****	-0.22****	-0.13****

Notes: p < .0001 ‘****’, p < .001 ‘***’, p < .01 ‘**’, p < .05 ‘*’

a: Sum of net monthly salaries in HUF

b: Monthly average spending (HUF) on extra classes, textbooks, transportation, school trips

c: Degree levels ranging from 0 (none) to 10 (doctoral)

d: Subjective evaluation on a scale of 5

e: Aged 0-18 years in the household

	VIF
Household Income	1.44
HOME	1.29
Parental Investments	1.08
Birthweight	1.03
Maternal Degree	1.46
Welfare level	1.27
#Minors	1.03

Table 2: Variance Inflation Factors

Table 3: VAM of Parental Separation Effect on Final Grades

	<i>Dependent variable:</i>						
	Final Grade in 2009						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Separated between 2006 and 2008	-0.049* (0.028)	-0.045* (0.027)	-0.036 (0.027)	-0.023 (0.027)	-0.009 (0.035)	-0.007 (0.035)	-0.008 (0.035)
Separated before 2006	-0.040** (0.016)	-0.045*** (0.016)	-0.029* (0.016)	-0.024 (0.016)	-0.019 (0.020)	-0.019 (0.020)	-0.020 (0.020)
<i>Control variables:</i>							
2006 Final Grade	✓	✓	✓	✓	✓	✓	✓
Student Characteristics		✓	✓	✓	✓	✓	✓
Home Environment			✓	✓	✓	✓	✓
School FE				✓	✓	✓	✓
SES					✓	✓	✓
PSI						✓	✓
Residential Mobility							✓
Observations	6,667	6,553	6,529	6,363	4,682	4,637	4,637
Adjusted R ²	0.339	0.360	0.365	0.412	0.436	0.436	0.436

Note:

*p<0.1; **p<0.05; ***p<0.01

	AdjRsqr	AIC	BIC
No Covariates (1)	0.34	10608.38	10642.12
+ Student Characteristics (2)	0.36	10251.90	10332.67
+ Home environment (3)	0.36	10174.36	10268.54
+ School FE (4)	0.41	9379.61	9567.27
+ SES (5)	0.43	6705.18	6973.66
+ PSI (6)	0.43	6421.02	6700.73
+ Residential Mobility (7)	0.43	6422.41	6708.48

Table 4: Penalization Statistics

Group	Time	ATT	se
2007	2007	0.078	0.054
2007	2008	0.082	0.053
2007	2009	0.098	0.052
2008	2007	0.005	0.084
2008	2008	-0.089	0.096
2008	2009	-0.020	0.081
2009	2007	0.016	0.077
2009	2008	-0.018	0.085
2009	2009	0.074	0.070

Table 5: UB Group-time Average Treatment Effects (1)

Notes:

Dependent Variable: GPA

Observations = 28438

Covariates: None

P-value for pre-test of parallel trends assumption: 0.99651.

Group	Time	ATT	se
2007	2007	-0.070	0.054
2007	2008	-0.212	0.060
2007	2009	-0.307	0.066
2008	2007	-0.130	0.084
2008	2008	-0.156	0.102
2008	2009	-0.132	0.092
2009	2007	-0.107	0.086
2009	2008	-0.090	0.087
2009	2009	0.038	0.075

Table 6: UB Group-time Average Treatment Effects (2)

Notes:

Dependent Variable: GPA

Observations = 27539

Covariates: Student Characteristics

P-value for pre-test of parallel trends assumption: 0.04649.

Group	Time	ATT	se
2007	2007	-0.026	0.058
2007	2008	-0.135	0.061
2007	2009	-0.206	0.064
2008	2007	-0.083	0.087
2008	2008	-0.115	0.097
2008	2009	-0.078	0.092
2009	2007	-0.060	0.083
2009	2008	-0.064	0.087
2009	2009	0.061	0.077

Table 7: UB Group-time Average Treatment Effects (3)

Notes:

Dependent Variable: GPA

Observations = 27787

Covariates: Student Characteristics + Home Environment

P-value for pre-test of parallel trends assumption: 0.37961.

Group	Time	ATT	se
2007	2007	0.041	0.055
2007	2008	-0.005	0.061
2007	2009	-0.022	0.066
2008	2007	-0.072	0.086
2008	2008	-0.052	0.097
2008	2009	-0.035	0.091
2009	2007	-0.021	0.083
2009	2008	-0.026	0.091
2009	2009	0.121	0.080

Table 8: UB Group-time Average Treatment Effects (4)

Notes:

Dependent Variable: GPA

Observations = 27304

Covariates: Student Characteristics + Home Environment + School FE

P-value for pre-test of parallel trends assumption: 0.80646.

Group	Time	ATT	se
2007	2007	0.075	0.068
2007	2008	0.044	0.073
2007	2009	0.059	0.074
2008	2007	-0.163	0.103
2008	2008	0.063	0.128
2008	2009	0.201	0.121
2009	2007	-0.102	0.097
2009	2008	-0.048	0.111
2009	2009	0.171	0.090

Table 9: UB Group-time Average Treatment Effects (5)

Notes:

Dependent Variable: GPA

Observations = 20346

Covariates: Student Characteristics + Home Environment + School FE + SES

P-value for pre-test of parallel trends assumption: 0.18562.

Group	Time	ATT	se
2007	2007	0.002	0.065
2007	2008	-0.020	0.075
2007	2009	0.004	0.077
2008	2007	-0.236	0.111
2008	2008	0.061	0.130
2008	2009	0.212	0.122
2009	2007	-0.119	0.114
2009	2008	-0.055	0.106
2009	2009	0.150	0.092

Table 10: UB Group-time Average Treatment Effects (6)

Notes:

Dependent Variable: GPA

Observations = 19347

Covariates: Student Characteristics + Home Environment + School FE + SES + PSI

P-value for pre-test of parallel trends assumption: 0.06118.

Group	Time	ATT	se
2007	2007	-0.006	0.070
2007	2008	-0.023	0.076
2007	2009	0.006	0.079
2008	2007	-0.239	0.115
2008	2008	0.062	0.131
2008	2009	0.214	0.118
2009	2007	-0.117	0.106
2009	2008	-0.055	0.115
2009	2009	0.153	0.094

Table 11: UB Group-time Average Treatment Effects (7)

Notes:

Dependent Variable: GPA

Observations = 19595

Covariates: Student Characteristics + Home Environment + School FE + SES + PSI + Residential Mobility

P-value for pre-test of parallel trends assumption: 0.06006.

Covariates	ATT	se	PTA
No Covariates (1)	0.080	0.044	0.997
+ Student Characteristics (2)	-0.193	0.054	0.046
+ Home environment (3)	-0.120	0.052	0.380
+ School FE (4)	0.004	0.053	0.806
+ SES (5)	0.066	0.060	0.186
+ PSI (6)	0.007	0.067	0.061
+ Residential Mobility (7)	0.005	0.069	0.060

Table 12: Upper-bound Aggregated ATT on GPA

Group	Time	ATT	se
2007	2007	-0.018	0.071
2007	2008	-0.044	0.075
2007	2009	-0.005	0.078
2008	2007	-0.284	0.109
2008	2008	0.103	0.135
2008	2009	0.206	0.121
2009	2007	-0.123	0.116
2009	2008	-0.083	0.120
2009	2009	0.135	0.097

Table 13: LB Group-time Average Treatment Effects (7)

Notes:

Dependent Variable: GPA

Observations = 19595

Covariates: Student Characteristics + Home Environment + School FE + SES + PSI + Residential Mobility

P-value for pre-test of parallel trends assumption: 0.01933.

Covariates	ATT	se	PTA
No Covariates (1)	0.063	0.046	0.696
+ Student Characteristics (2)	-0.218	0.056	0.004
+ Home environment (3)	-0.139	0.056	0.083
+ School FE (4)	-0.006	0.057	0.343
+ SES (5)	0.053	0.060	0.079
+ PSI (6)	-0.006	0.074	0.019
+ Residential Mobility (7)	-0.008	0.068	0.019

Table 14: Lower-bound Aggregated ATT on GPA

Group	Time	ATT	se
2007	2007	-0.133	0.096
2007	2008	-0.129	0.103
2007	2009	0.006	0.115
2008	2007	-0.319	0.138
2008	2008	0.202	0.146
2008	2009	0.267	0.171
2009	2007	-0.127	0.137
2009	2008	-0.069	0.151
2009	2009	0.181	0.135

Table 15: UB Group-time Average Treatment Effects (7)

Notes:

Dependent Variable: Math Grade

Observations = 19624

Covariates: Student Characteristics + Home Environment + School FE + SES + PSI + Residential Mobility

P-value for pre-test of parallel trends assumption: 0.08222.

Covariates	ATT	se	PTA
No Covariates (1)	0.063	0.048	0.696
+ Student Characteristics (2)	-0.200	0.073	0.216
+ Home environment (3)	-0.147	0.071	0.247
+ School FE (4)	-0.011	0.080	0.671
+ SES (5)	-0.012	0.087	0.267
+ PSI (6)	-0.058	0.094	0.083
+ Residential Mobility (7)	-0.058	0.099	0.082

Table 16: Upper-bound Aggregated ATT on Math Grade