OLS Results with Investment Mechanisms

2024-04-12

Baseline Results

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Educational Mechanism Investment Results

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Health Investment Mechanism Results

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Psychological Investment Mechanism Results

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All Investment Mechanisms Results

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Table 1: Base OLS Regression wit Region and Treatment FE

	Endline Dependent Variable:			
	e_lit_per Literacy	e_num_per Numeracy	e_ef_per Executive Function	e_sel_per SEL
	(1)	(2)	(3)	(4)
CFIES: Few Experiences	0.049	0.015	0.025	0.075
	(0.030)	(0.034)	(0.038)	(0.041)
CFIES: Several Experiences	−0.006	−0.007	0.010	0.056
	(0.035)	(0.039)	(0.043)	(0.047)
CFIES: Many Experiences	0.044	−0.013	0.078	0.083
	(0.041)	(0.046)	(0.051)	(0.055)
FIES: Mild	−0.017	0.024	−0.035	−0.079
	(0.045)	(0.050)	(0.055)	(0.060)
FIES: Moderate	−0.113**	−0.085	−0.066	−0.036
	(0.039)	(0.044)	(0.048)	(0.052)
FIES: Severe	−0.086	−0.054	−0.100	−0.057
	(0.045)	(0.050)	(0.055)	(0.060)
Child Female	0.063**	0.034	−0.032	−0.031
	(0.022)	(0.025)	(0.028)	(0.030)
Child Age	0.149**	0.077**	0.062**	0.033**
	(0.004)	(0.004)	(0.004)	(0.005)
Lagged Outcome	0.369**	0.458**	0.364**	0.242**
	(0.012)	(0.013)	(0.014)	(0.015)
Constant	−1.568**	−0.816**	−0.724**	−0.536**
	(0.072)	(0.081)	(0.089)	(0.095)
Observations	3,985	3,985	3,985	3,985
R^2	0.523	0.368	0.243	0.086
Adjusted R^2	0.521	0.366	0.240	0.083
Residual Std. Error (df = 3970)	0.698	0.781	0.862	0.931
F Statistic (df = 14; 3970)	310.678**	165.157**	90.941**	26.782**

Note: *$p < 0.05$; **$p < 0.01$

Table 2: Multivariate OLS Regression: Educational Investment Mechanism

	Endline Dependent Variable:			
	e_lit_per Literacy	e_num_per Numeracy	e_ef_per Executive Function	e_sel_per SEL
	(1)	(2)	(3)	(4)
CFIES: Few Experiences	0.045	0.019	0.026	0.070
	(0.030)	(0.034)	(0.037)	(0.039)
CFIES: Several Experiences	−0.008	0.0002	0.016	0.055
	(0.035)	(0.039)	(0.043)	(0.045)
CFIES: Many Experiences	0.048	−0.005	0.093	0.100
	(0.041)	(0.046)	(0.050)	(0.053)
FIES: Mild	−0.010	0.037	−0.022	−0.080
	(0.044)	(0.050)	(0.055)	(0.058)
FIES: Moderate	−0.107**	−0.076	−0.054	−0.031
	(0.039)	(0.044)	(0.048)	(0.051)
FIES: Severe	−0.079	−0.044	−0.089	−0.053
	(0.044)	(0.050)	(0.055)	(0.058)
Child Female	0.054*	0.035	−0.037	−0.045
	(0.022)	(0.025)	(0.027)	(0.029)
Child Age	0.157**	0.078**	0.069**	0.041**
	(0.004)	(0.004)	(0.004)	(0.004)
Child is Enrolled in School	0.396**	−0.053	0.352**	0.840**
	(0.039)	(0.046)	(0.047)	(0.051)
Child Attends Private Shool	0.083*	0.142**	0.185**	0.043
	(0.038)	(0.044)	(0.048)	(0.050)
Lagged Outcome	0.336**	0.460**	0.344**	0.182**
	(0.012)	(0.014)	(0.014)	(0.015)
Constant	−1.904**	−0.818**	−1.035**	−1.144**
	(0.078)	(0.090)	(0.095)	(0.099)
Observations	3,985	3,985	3,985	3,985
R^2	0.536	0.370	0.257	0.147
Adjusted R^2	0.534	0.367	0.254	0.143
Residual Std. Error (df = 3968)	0.688	0.780	0.854	0.900
F Statistic (df = 16; 3968)	286.380**	145.598**	85.747**	42.581**

Note: *$p < 0.05$; **$p < 0.01$

Table 3: Multivariate OLS Regression: Health Investment Mechanism

	Endline Dependent Variable:			
	e_lit_per Literacy	e_num_per Numeracy	e_ef_per Executive Function	e_sel_per SEL
	(1)	(2)	(3)	(4)
CFIES: Few Experiences	0.063	−0.023	0.047	0.146**
	(0.057)	(0.048)	(0.056)	(0.048)
CFIES: Several Experiences	−0.038	−0.042	0.078	0.146**
	(0.064)	(0.053)	(0.062)	(0.054)
CFIES: Many Experiences	0.064	−0.022	0.146*	0.146*
	(0.073)	(0.061)	(0.071)	(0.062)
FIES: Mild	−0.046	−0.021	−0.006	−0.019
	(0.077)	(0.064)	(0.075)	(0.065)
FIES: Moderate	−0.181**	−0.121*	−0.105	0.008
	(0.068)	(0.057)	(0.066)	(0.058)
FIES: Severe	−0.183*	−0.083	−0.163*	−0.021
	(0.078)	(0.065)	(0.076)	(0.066)
Child Female	0.169**	0.053	−0.028	−0.020
	(0.041)	(0.034)	(0.039)	(0.034)
Child Age	0.088**	0.060**	0.066**	0.001
	(0.009)	(0.008)	(0.009)	(0.008)
Child Reported Poor Health	0.264	0.238	0.714**	0.009
	(0.274)	(0.228)	(0.266)	(0.232)
Child Reported Average Health	0.260	0.106	0.460	0.042
	(0.257)	(0.214)	(0.250)	(0.218)
Child Reported Good Health	0.271	0.118	0.433	−0.048
	(0.251)	(0.209)	(0.244)	(0.213)
Child Reported Very Good Health	0.333	0.125	0.468	−0.064
	(0.251)	(0.209)	(0.244)	(0.212)
Child Reported Worse Relative Health	0.005	−0.193	0.055	−0.213
	(0.247)	(0.206)	(0.240)	(0.209)
Child Reported Same Relative Health	−0.037	−0.100	0.099	−0.181
	(0.240)	(0.200)	(0.234)	(0.203)
Child Reported Better Relative Health	−0.043	−0.079	0.103	−0.077
	(0.238)	(0.198)	(0.231)	(0.201)
Child Reported Much Better Relative Health	−0.013	−0.025	0.191	−0.060
	(0.238)	(0.198)	(0.232)	(0.201)
Lagged Outcome	0.391**	0.604**	0.325**	0.190**
	(0.018)	(0.019)	(0.020)	(0.021)
Constant	−1.045**	−0.792**	−1.189**	0.042
	(0.330)	(0.275)	(0.321)	(0.278)
Observations	1,866	1,866	1,866	1,866
R^2	0.309	0.428	0.193	0.065
Adjusted R^2	0.301	0.421	0.183	0.054
Residual Std. Error (df = 1843)	0.854	0.711	0.831	0.723
F Statistic (df = 22; 1843)	37.465**	62.637**	20.046**	5.854**

Note: *$p < 0.05$; **$p < 0.01$

Table 4: Multivariate OLS Regression: Psychological Investment Mechanism

	Endline Dependent Variable:			
	e_lit_per Literacy	e_num_per Numeracy	e_ef_per Executive Function	e_sel_per SEL
	(1)	(2)	(3)	(4)
CFIES: Few Experiences	0.093 (0.057)	−0.016 (0.048)	0.074 (0.056)	0.140** (0.049)
CFIES: Several Experiences	−0.009 (0.064)	−0.033 (0.054)	0.115 (0.063)	0.148** (0.055)
CFIES: Many Experiences	0.102 (0.073)	−0.020 (0.061)	0.168* (0.071)	0.131* (0.063)
FIES: Mild	−0.043 (0.076)	−0.011 (0.064)	0.023 (0.075)	−0.024 (0.065)
FIES: Moderate	−0.177** (0.068)	−0.089 (0.057)	−0.069 (0.066)	−0.004 (0.058)
FIES: Severe	−0.173* (0.077)	−0.045 (0.065)	−0.127 (0.076)	−0.049 (0.067)
Child Female	0.083** (0.010)	0.050** (0.008)	0.062** (0.009)	0.0004 (0.008)
Child Age	0.166** (0.041)	0.052 (0.034)	−0.039 (0.040)	−0.033 (0.035)
Child Self-Esteem	0.028** (0.007)	0.024** (0.006)	0.021** (0.007)	0.001 (0.006)
Child Education Aspiration	−0.127 (0.084)	0.319** (0.070)	0.124 (0.082)	0.102 (0.072)
Caregiver Education Aspiration for Child	0.403 (0.324)	0.312 (0.271)	−0.040 (0.317)	0.071 (0.278)
Lagged Outcome	0.394** (0.018)	0.602** (0.020)	0.324** (0.021)	0.209** (0.021)
Constant	−1.786** (0.408)	−1.881** (0.341)	−1.258** (0.399)	−0.269 (0.349)
Observations	1,832	1,832	1,832	1,832
R^2	0.317	0.433	0.189	0.071
Adjusted R^2	0.310	0.428	0.182	0.063
Residual Std. Error (df = 1814)	0.848	0.711	0.831	0.729
F Statistic (df = 17; 1814)	49.471**	81.472**	24.926**	8.187**

Note: $^*p < 0.05$; $^{**}p < 0.01$

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Table 5: Multivariate OLS Regression: All Investment Mechanisms

	Endline Dependent Variable:			
	e_lit_per Literacy	e_num_per Numeracy	e_ef_per Executive Function	e_sel_per SEL
	(1)	(2)	(3)	(4)
CFIES: Few Experiences	0.087	0.001	0.072	0.146**
	(0.058)	(0.048)	(0.057)	(0.049)
CFIES: Several Experiences	0.006	−0.001	0.128*	0.163**
	(0.065)	(0.054)	(0.064)	(0.055)
CFIES: Many Experiences	0.115	−0.006	0.179*	0.144*
	(0.074)	(0.061)	(0.073)	(0.063)
FIES: Mild	−0.038	−0.028	0.024	−0.028
	(0.077)	(0.064)	(0.075)	(0.066)
FIES: Moderate	−0.172*	−0.090	−0.082	−0.007
	(0.069)	(0.057)	(0.067)	(0.058)
FIES: Severe	−0.176*	−0.052	−0.130	−0.044
	(0.078)	(0.065)	(0.077)	(0.067)
Child Female	0.173**	0.065	−0.028	−0.027
	(0.041)	(0.034)	(0.040)	(0.035)
Child Age	0.090**	0.056**	0.064**	−0.002
	(0.010)	(0.008)	(0.010)	(0.008)
Child is Enrolled in School				
Child Attends Private Shool	0.158*	0.238**	0.126	0.022
	(0.077)	(0.064)	(0.076)	(0.065)
Child Reported Poor Health	0.021	0.040	0.587	−0.352
	(0.334)	(0.275)	(0.326)	(0.283)
Child Reported Average Health	0.063	−0.054	0.368	−0.330
	(0.324)	(0.267)	(0.316)	(0.275)
Child Reported Good Health	0.069	−0.044	0.323	−0.426
	(0.321)	(0.265)	(0.313)	(0.273)
Child Reported Very Good Health	0.111	−0.038	0.355	−0.447
	(0.320)	(0.264)	(0.313)	(0.272)
Child Reported Worse Relative Health	−0.168	−0.268	−0.126	−0.071
	(0.273)	(0.225)	(0.267)	(0.232)
Child Reported Same Relative Health	−0.272	−0.202	−0.089	−0.028
	(0.269)	(0.222)	(0.262)	(0.228)
Child Reported Better Relative Health	−0.271	−0.211	−0.091	0.073
	(0.267)	(0.221)	(0.261)	(0.227)
Child Reported Much Better Relative Health	−0.272	−0.183	−0.009	0.095
	(0.267)	(0.220)	(0.261)	(0.227)
Child Self-Esteem	0.028**	0.024**	0.020**	−0.001
	(0.008)	(0.006)	(0.007)	(0.006)
Child Education Aspiration	−0.116	0.348**	0.122	0.091
	(0.087)	(0.071)	(0.084)	(0.073)
Caregiver Education Aspiration for Child	0.412	0.287	−0.016	0.079
	(0.325)	(0.268)	(0.317)	(0.276)
Lagged Outcome	0.386**	0.592**	0.316**	0.198**
	(0.019)	(0.020)	(0.021)	(0.022)
Constant	−1.740**	−1.777**	−1.595**	0.176
	(0.527)	(0.435)	(0.514)	(0.445)
Observations	1,795	1,795	1,795	1,795
R^2	0.320	0.446	0.197	0.074
Adjusted R^2	0.310	0.438	0.185	0.060
Residual Std. Error (df = 1768)	0.847	0.699	0.828	0.720
F Statistic (df = 26; 1768)	31.978**	54.806**	16.678**	5.400**