

OLS Results with FIES

2024-04-12

Baseline Results

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Table 1: Base OLS Regression with 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	0.094** (0.035)	0.032 (0.034)	0.042 (0.038)	0.084* (0.042)
CFIES: Several Experiences	0.126** (0.041)	0.058 (0.042)	0.065 (0.047)	0.086 (0.047)
CFIES: Many Experiences	0.246** (0.047)	0.084 (0.050)	0.159** (0.052)	0.129* (0.055)
FIES: Mild	-0.062 (0.054)	0.011 (0.051)	-0.043 (0.062)	-0.084 (0.061)
FIES: Moderate	-0.161** (0.049)	-0.104* (0.046)	-0.084 (0.052)	-0.049 (0.053)
FIES: Severe	-0.126* (0.056)	-0.065 (0.053)	-0.109 (0.060)	-0.067 (0.059)
Lagged Outcome	0.533** (0.017)	0.527** (0.016)	0.423** (0.016)	0.244** (0.017)
Constant	-0.065 (0.062)	-0.036 (0.083)	-0.135 (0.078)	-0.230* (0.091)
Observations	3,985	3,985	3,985	3,985
R ²	0.319	0.307	0.204	0.074
Adjusted R ²	0.317	0.305	0.202	0.071
Residual Std. Error (df = 3972)	0.833	0.818	0.884	0.937
F Statistic (df = 12; 3972)	154.934**	146.466**	84.940**	26.307**

Note:

* $p < 0.05$; ** $p < 0.01$

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Multivariate Results

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Table 2: Multivariate OLS Regression

	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	0.051 (0.029)	0.023 (0.033)	0.031 (0.038)	0.079 (0.042)
CFIES: Several Experiences	-0.014 (0.035)	0.013 (0.042)	0.018 (0.047)	0.055 (0.048)
CFIES: Many Experiences	0.050 (0.041)	0.017 (0.049)	0.096 (0.052)	0.084 (0.056)
FIES: Mild	-0.028 (0.047)	0.030 (0.051)	-0.038 (0.063)	-0.085 (0.061)
FIES: Moderate	-0.112** (0.041)	-0.073 (0.045)	-0.063 (0.053)	-0.032 (0.053)
FIES: Severe	-0.060 (0.047)	-0.033 (0.051)	-0.085 (0.060)	-0.050 (0.060)
Lagged Outcome	0.377** (0.015)	0.483** (0.016)	0.389** (0.016)	0.251** (0.017)
Constant	-0.862** (0.219)	-0.623** (0.235)	-0.411 (0.325)	-0.210 (0.305)
Observations	3,985	3,985	3,985	3,985
R ²	0.537	0.348	0.230	0.095
Adjusted R ²	0.535	0.345	0.226	0.090
Residual Std. Error (df = 3961)	0.688	0.794	0.870	0.927
F Statistic (df = 23; 3961)	199.916**	92.070**	51.515**	18.033**

Note:

* $p < 0.05$; ** $p < 0.01$

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Child Sex Results

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Table 3: Multivariate OLS Regression with Gender Interaction

	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	−0.006 (0.038)	0.015 (0.044)	0.039 (0.050)	0.110 (0.056)
CFIES: Several Experiences	−0.067 (0.048)	0.018 (0.055)	0.069 (0.059)	0.074 (0.063)
CFIES: Many Experiences	−0.002 (0.054)	−0.032 (0.062)	0.091 (0.066)	0.113 (0.070)
FIES: Mild	0.001 (0.061)	0.068 (0.066)	−0.045 (0.079)	−0.050 (0.076)
FIES: Moderate	−0.077 (0.054)	−0.063 (0.059)	−0.053 (0.067)	−0.036 (0.068)
FIES: Severe	−0.036 (0.063)	0.023 (0.068)	−0.096 (0.078)	−0.043 (0.077)
Child Female	0.039 (0.074)	0.060 (0.081)	−0.006 (0.097)	0.031 (0.094)
Lagged Outcome	0.378** (0.015)	0.483** (0.016)	0.389** (0.016)	0.251** (0.017)
CFIES: Few Experiences x Child Female	0.131* (0.056)	0.020 (0.067)	−0.016 (0.079)	−0.072 (0.085)
CFIES: Several Experiences x Child Female	0.121 (0.067)	−0.008 (0.082)	−0.116 (0.093)	−0.044 (0.094)
CFIES: Many Experiences x Child Female	0.121 (0.078)	0.115 (0.096)	0.017 (0.101)	−0.069 (0.108)
FIES: Mild x Child Female	−0.066 (0.089)	−0.090 (0.095)	0.018 (0.116)	−0.084 (0.115)
FIES: Moderate x Child Female	−0.084 (0.076)	−0.022 (0.085)	−0.019 (0.100)	0.011 (0.100)
FIES: Severe x Child Female	−0.060 (0.087)	−0.126 (0.100)	0.029 (0.115)	−0.013 (0.113)
Constant	−0.840** (0.226)	−0.641** (0.237)	−0.441 (0.334)	−0.239 (0.307)
Observations	3,985	3,985	3,985	3,985
R ²	0.538	0.349	0.231	0.095
Adjusted R ²	0.534	0.344	0.225	0.089
Residual Std. Error (df = 3955)	0.688	0.794	0.871	0.928
F Statistic (df = 29; 3955)	158.732**	73.150**	40.953**	14.353**

Note:

* $p < 0.05$; ** $p < 0.01$

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Child Age Results

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Caregiver Education Results

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Table 4: Multivariate OLS Regression with Age Interaction

	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	0.002 (0.021)	0.052 (0.046)	0.005 (0.055)	0.016 (0.068)
CFIES: Several Experiences	-0.016 (0.028)	0.021 (0.061)	-0.044 (0.070)	-0.039 (0.080)
CFIES: Many Experiences	0.073* (0.030)	-0.058 (0.071)	0.028 (0.083)	0.072 (0.101)
FIES: Mild	0.038 (0.035)	0.064 (0.077)	-0.113 (0.092)	-0.161 (0.105)
FIES: Moderate	0.033 (0.032)	-0.005 (0.069)	-0.090 (0.078)	-0.061 (0.090)
FIES: Severe	0.122** (0.038)	0.080 (0.077)	-0.071 (0.091)	-0.065 (0.103)
Child is 10–17	1.182** (0.072)	0.519** (0.082)	0.193 (0.100)	0.069 (0.096)
Lagged Outcome	0.375** (0.015)	0.483** (0.016)	0.390** (0.016)	0.250** (0.017)
CFIES: Few Experiences x Child is 10–17	0.093 (0.058)	-0.059 (0.067)	0.054 (0.079)	0.129 (0.083)
CFIES: Several Experiences x Child is 10–17	0.012 (0.066)	-0.014 (0.083)	0.117 (0.093)	0.177 (0.094)
CFIES: Many Experiences x Child is 10–17	-0.019 (0.074)	0.117 (0.098)	0.124 (0.105)	0.044 (0.115)
FIES: Mild x Child is 10–17	-0.105 (0.084)	-0.059 (0.098)	0.130 (0.117)	0.134 (0.119)
FIES: Moderate x Child is 10–17	-0.254** (0.072)	-0.122 (0.087)	0.041 (0.101)	0.044 (0.101)
FIES: Severe x Child is 10–17	-0.320** (0.084)	-0.199 (0.102)	-0.027 (0.116)	0.020 (0.117)
Constant	-0.979** (0.217)	-0.694** (0.236)	-0.362 (0.324)	-0.139 (0.312)
Observations	3,985	3,985	3,985	3,985
R ²	0.540	0.350	0.231	0.096
Adjusted R ²	0.537	0.345	0.225	0.090
Residual Std. Error (df = 3955)	0.686	0.794	0.871	0.927
F Statistic (df = 29; 3955)	160.255**	73.325**	40.991**	14.535**

Note:

* $p < 0.05$; ** $p < 0.01$

Table 5: Multivariate OLS Regression with Caregiver Schooling Interaction

	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	0.036 (0.035)	0.008 (0.042)	0.024 (0.047)	0.101* (0.051)
CFIES: Several Experiences	0.005 (0.044)	0.008 (0.052)	0.033 (0.057)	0.115 (0.059)
CFIES: Many Experiences	0.101 (0.052)	−0.001 (0.062)	0.055 (0.065)	0.003 (0.068)
FIES: Mild	−0.042 (0.059)	0.006 (0.065)	−0.112 (0.080)	−0.182* (0.080)
FIES: Moderate	−0.126* (0.053)	−0.056 (0.057)	−0.133 (0.068)	−0.094 (0.068)
FIES: Severe	−0.111 (0.060)	−0.041 (0.066)	−0.157* (0.077)	−0.014 (0.076)
Caregiver Attended School	0.002 (0.080)	0.023 (0.086)	−0.103 (0.103)	0.003 (0.100)
Lagged Outcome	0.378** (0.015)	0.483** (0.016)	0.388** (0.016)	0.252** (0.017)
CFIES: Few Experiences x Caregiver Attended School	0.047 (0.061)	0.045 (0.068)	0.022 (0.080)	−0.053 (0.089)
CFIES: Several Experiences x Caregiver Attended School	−0.057 (0.071)	0.021 (0.084)	−0.039 (0.096)	−0.160 (0.098)
CFIES: Many Experiences x Caregiver Attended School	−0.139 (0.082)	0.058 (0.100)	0.111 (0.106)	0.204 (0.118)
FIES: Mild x Caregiver Attended School	0.042 (0.095)	0.064 (0.099)	0.184 (0.126)	0.244* (0.120)
FIES: Moderate x Caregiver Attended School	0.046 (0.083)	−0.053 (0.090)	0.177 (0.107)	0.155 (0.106)
FIES: Severe x Caregiver Attended School	0.138 (0.094)	0.020 (0.104)	0.189 (0.121)	−0.099 (0.121)
Constant	−0.834** (0.222)	−0.606* (0.236)	−0.351 (0.333)	−0.194 (0.309)
Observations	3,985	3,985	3,985	3,985
R ²	0.538	0.349	0.232	0.100
Adjusted R ²	0.535	0.344	0.226	0.094
Residual Std. Error (df = 3955)	0.688	0.794	0.870	0.925
F Statistic (df = 29; 3955)	158.911**	73.081**	41.101**	15.173**

Note:

* $p < 0.05$; ** $p < 0.01$