

OLS Results with FIES

2024-04-12

Baseline Results

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Multivariate Results

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Child Sex Results

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Child Age Results

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Caregiver Education 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	0.090* (0.035)	0.025 (0.034)	0.042 (0.038)	0.079 (0.041)
CFIES: Several Experiences	0.135** (0.041)	0.058 (0.042)	0.068 (0.046)	0.079 (0.047)
CFIES: Many Experiences	0.285** (0.047)	0.102* (0.050)	0.170** (0.051)	0.120* (0.055)
FIES	-0.026** (0.006)	-0.015** (0.006)	-0.016* (0.006)	-0.001 (0.006)
Region: North East	0.010 (0.041)	-0.002 (0.079)	0.132* (0.067)	0.264** (0.086)
Region: Northern	0.158** (0.039)	0.127 (0.071)	0.234** (0.059)	0.283** (0.077)
Region: Upper East	0.123** (0.048)	0.153* (0.074)	0.213** (0.067)	0.294** (0.080)
Region: Upper West	0.136** (0.052)	0.117 (0.075)	0.205** (0.068)	0.275** (0.080)
PNP Treatment	-0.006 (0.031)	0.032 (0.032)	-0.039 (0.036)	0.007 (0.038)
Lagged Outcome	0.533** (0.017)	0.526** (0.016)	0.422** (0.016)	0.244** (0.017)
Constant	-0.065 (0.055)	-0.032 (0.077)	-0.135 (0.072)	-0.273** (0.086)
Observations	3,985	3,985	3,985	3,985
R ²	0.320	0.306	0.205	0.073
Adjusted R ²	0.318	0.304	0.203	0.071
Residual Std. Error (df = 3974)	0.833	0.818	0.883	0.937
F Statistic (df = 10; 3974)	186.931**	175.261**	102.330**	31.349**

Note:

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

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	0.048 (0.028)	0.018 (0.033)	0.031 (0.038)	0.074 (0.041)
CFIES: Several Experiences	-0.006 (0.035)	0.013 (0.042)	0.021 (0.046)	0.049 (0.048)
CFIES: Many Experiences	0.084* (0.041)	0.031 (0.048)	0.104* (0.051)	0.071 (0.056)
FIES	-0.017** (0.005)	-0.011 (0.006)	-0.012 (0.006)	0.003 (0.006)
Lagged Outcome	0.378** (0.015)	0.482** (0.016)	0.388** (0.016)	0.251** (0.017)
Constant	-0.852** (0.215)	-0.615** (0.232)	-0.412 (0.326)	-0.261 (0.302)
Observations	3,985	3,985	3,985	3,985
R ²	0.537	0.348	0.231	0.094
Adjusted R ²	0.535	0.344	0.226	0.089
Residual Std. Error (df = 3963)	0.688	0.794	0.870	0.927
F Statistic (df = 21; 3963)	219.087**	100.535**	56.544**	19.643**

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

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	-0.005 (0.038)	0.010 (0.044)	0.039 (0.049)	0.105 (0.055)
CFIES: Several Experiences	-0.057 (0.048)	0.022 (0.056)	0.069 (0.059)	0.068 (0.062)
CFIES: Many Experiences	0.030 (0.053)	-0.004 (0.063)	0.088 (0.064)	0.104 (0.071)
FIES	-0.015* (0.006)	-0.010 (0.007)	-0.010 (0.008)	0.001 (0.008)
Child Female	-0.002 (0.056)	0.023 (0.063)	0.008 (0.076)	0.003 (0.076)
Lagged Outcome	0.378** (0.015)	0.482** (0.016)	0.388** (0.016)	0.251** (0.017)
CFIES: Few Experiences x Child Female	0.119* (0.056)	0.018 (0.066)	-0.017 (0.077)	-0.070 (0.083)
CFIES: Several Experiences x Child Female	0.115 (0.067)	-0.020 (0.082)	-0.108 (0.092)	-0.045 (0.093)
CFIES: Many Experiences x Child Female	0.125 (0.078)	0.083 (0.096)	0.042 (0.099)	-0.075 (0.108)
FIES x Child Female	-0.004 (0.009)	-0.002 (0.010)	-0.004 (0.012)	0.004 (0.012)
Constant	-0.811** (0.219)	-0.618** (0.233)	-0.447 (0.331)	-0.277 (0.305)
Observations	3,985	3,985	3,985	3,985
R ²	0.538	0.348	0.231	0.094
Adjusted R ²	0.535	0.344	0.226	0.089
Residual Std. Error (df = 3959)	0.688	0.794	0.870	0.928
F Statistic (df = 25; 3959)	184.237**	84.456**	47.616**	16.521**

Note:

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

Table 4: Multivariate OLS Regression with Age Interaction

	Endline Dependent Variable:			
	e_lit_per Literacy (1)	e_num_per Numeracy (2)	e_ef_per Executive Function (3)	e_sel_per SEL (4)
CFIES: Few Experiences	0.0001 (0.021)	0.050 (0.046)	0.005 (0.054)	0.002 (0.067)
CFIES: Several Experiences	-0.011 (0.028)	0.027 (0.061)	-0.037 (0.069)	-0.053 (0.079)
CFIES: Many Experiences	0.091** (0.030)	-0.033 (0.072)	0.056 (0.081)	0.047 (0.100)
FIES	0.010* (0.004)	0.001 (0.008)	-0.010 (0.009)	0.011 (0.011)
Child is 10-17	1.183** (0.058)	0.506** (0.063)	0.253** (0.077)	0.176* (0.075)
Lagged Outcome	0.375** (0.015)	0.482** (0.016)	0.388** (0.016)	0.250** (0.017)
CFIES: Few Experiences x Child is 10-17	0.088 (0.057)	-0.067 (0.067)	0.055 (0.077)	0.146 (0.082)
CFIES: Several Experiences x Child is 10-17	0.023 (0.066)	-0.023 (0.083)	0.111 (0.091)	0.196* (0.094)
CFIES: Many Experiences x Child is 10-17	0.009 (0.074)	0.100 (0.099)	0.093 (0.102)	0.072 (0.115)
FIES x Child is 10-17	-0.049** (0.009)	-0.021* (0.011)	-0.004 (0.011)	-0.016 (0.012)
Constant	-0.980** (0.211)	-0.678** (0.231)	-0.391 (0.325)	-0.251 (0.306)
Observations	3,985	3,985	3,985	3,985
R ²	0.542	0.349	0.231	0.096
Adjusted R ²	0.539	0.345	0.226	0.090
Residual Std. Error (df = 3959)	0.685	0.794	0.870	0.927
F Statistic (df = 25; 3959)	187.081**	84.803**	47.539**	16.772**

Note:

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

Table 5: Multivariate OLS Regression with Age Interaction

	Endline Dependent Variable:			
	e_lit_per Literacy (1)	e_num_per Numeracy (2)	e_ef_per Executive Function (3)	e_sel_per SEL (4)
CFIES: Few Experiences	0.035 (0.034)	0.007 (0.042)	0.015 (0.047)	0.082 (0.051)
CFIES: Several Experiences	0.013 (0.043)	0.010 (0.053)	0.023 (0.057)	0.105 (0.059)
CFIES: Many Experiences	0.133** (0.051)	0.014 (0.061)	0.050 (0.063)	0.007 (0.067)
FIES	-0.022** (0.006)	-0.010 (0.007)	-0.012 (0.008)	0.012 (0.008)
Caregiver Attended School	-0.010 (0.061)	0.022 (0.066)	0.028 (0.080)	0.193* (0.080)
Lagged Outcome	0.378** (0.015)	0.482** (0.016)	0.388** (0.016)	0.251** (0.017)
CFIES: Few Experiences x Caregiver Attended School	0.042 (0.061)	0.033 (0.068)	0.048 (0.079)	-0.021 (0.088)
CFIES: Several Experiences x Caregiver Attended School	-0.059 (0.071)	0.010 (0.085)	-0.002 (0.096)	-0.146 (0.098)
CFIES: Many Experiences x Caregiver Attended School	-0.145 (0.083)	0.049 (0.100)	0.154 (0.104)	0.183 (0.117)
FIES x Caregiver Caregiver Attended School	0.016 (0.010)	-0.001 (0.011)	0.001 (0.013)	-0.024 (0.013)
Constant	-0.832** (0.217)	-0.611** (0.233)	-0.402 (0.328)	-0.286 (0.306)
Observations	3,985	3,985	3,985	3,985
R ²	0.538	0.348	0.231	0.097
Adjusted R ²	0.535	0.344	0.226	0.091
Residual Std. Error (df = 3959)	0.687	0.795	0.870	0.926
F Statistic (df = 25; 3959)	184.557**	84.388**	47.619**	17.048**

Note:

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