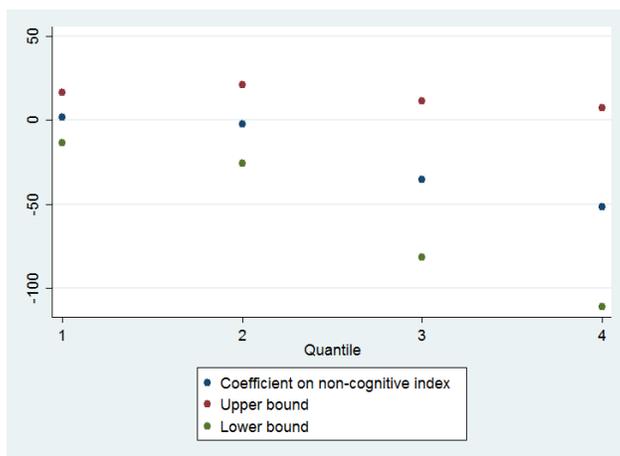


On-line appendix (not for publication)

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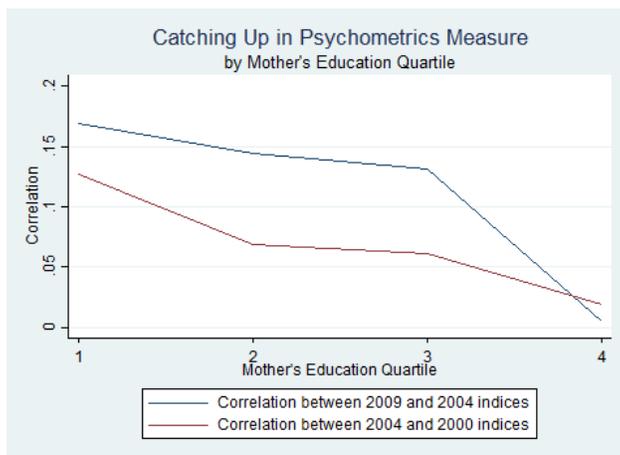
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Figure B1: Parental response to non-cognitive characteristics by quantile of maternal education



Notes: This graph shows the estimated coefficients in regressions of total educational expenditure on the non-cognitive indices of interest, including the full set of child-level controls included in the main specification as well as household fixed effects, estimated by quantile of maternal education. The upper and lower bounds correspond to the 95% confidence interval for the estimated coefficients.

Figure B2: Correlation in non-cognitive characteristics over time by quantile of maternal education



Notes: This graph shows the estimated correlation between the summary non-cognitive indices as measured in 2000 and 2004, and the non-cognitive index in 2004 and self-esteem as measured in 2009, by quantile of maternal education.

Table B1: Within-household and cross-household variation

	Internal		External		Height-for-age		Achievement score	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Fixed effects	Household	Year	Household	Year	Household	Year	Household	Year
Obs.	816	816	816	816	816	816	816	816
R-squared	.59	.021	.591	.019	.611	.06	.532	.053

Notes: Each column reports the R-squared for the regression of the specified child characteristic on the specified set of fixed effects.

Table B2: Parental allocations and non-cognitive characteristics: Alternate specifications

	Discretionary (1)	Tuition (2)	Supplies (3)	Transportation (4)	Food (5)	Tutoring (6)	Other (7)
Panel A: Results conditional on grade fixed effects							
Index	19.902** (9.447)	8.023 (7.076)	-.750 (1.543)	4.078** (2.045)	11.839* (7.088)	1.469 (.934)	3.266* (1.966)
Index x mother educ	-8.108** (3.212)	-1.494 (2.072)	.463 (.377)	-1.244* (.675)	-6.399*** (2.404)	-.554* (.296)	-.374 (.434)
Panel B: Results employing percentile measures							
Index	50.231** (25.583)	16.233 (21.645)	-.701 (5.069)	8.395 (5.484)	27.836 (18.936)	3.121 (2.507)	11.580* (6.651)
Index x mother educ	-21.080** (8.378)	-3.319 (6.363)	1.202 (1.110)	-3.036* (1.785)	-15.722** (6.217)	-1.400* (.751)	-2.124 (1.358)
Panel C: Results employing log expenditure							
Index	.108 (.079)	-.021 (.073)	.014 (.065)	.184** (.090)	.219* (.121)	.084 (.064)	.062 (.045)
Index x mother educ	-.034** (.017)	.003 (.013)	-.007 (.013)	-.052** (.023)	-.070** (.027)	-.023 (.016)	-.003 (.014)
Obs.	816	816	816	816	816	816	816
Mean (dep. var.)	98.651	165.667	36.434	11.553	35.047	5.923	9.695
St. dev. (dep. var.)	169.227	159.211	38.286	39.028	105.383	16.897	28.089

Notes: The dependent variable is educational expenditure in the specified category, and the independent variables are the non-cognitive index and the non-cognitive index interacted with maternal education. A higher internalizing or externalizing index is indicative of fewer non-cognitive challenges. All specifications include controls for sibling parity, gender, sibling gender, height-for-age and cognitive skills measured contemporaneously with non-cognitive characteristics, sibling parity, gender, age, height-for-age and achievement scores interacted with maternal education, year-of-birth and household fixed effects, and standard errors clustered at the village level. In Panel A, grade fixed effects are also included; in Panel B, the non-cognitive index is reformulated as a percentile rank measure; in Panel C, we employ the log of educational expenditure as the dependent variable; zero expenditure is replaced with .01 to avoid truncation of the sample. Standard errors are clustered at the level of the village.

Table B3: Parental allocations and non-cognitive characteristics: Maternal education and bargaining power

	Discretionary (1)	Tuition (2)	Supplies (3)	Transportation (4)	Food (5)	Tutoring (6)	Other (7)
Panel A: Households including parents of similar education levels							
Index x mother educ	26.127 (19.234)	11.490 (10.651)	-.972 (2.952)	9.589** (4.636)	14.959 (14.440)	1.528 (1.656)	1.023 (1.516)
Index x mother educ	-11.696** (4.857)	-1.847 (2.930)	.802 (.626)	-2.449** (1.076)	-8.950*** (3.445)	-.729* (.382)	-.370 (.405)
Obs.	476	476	476	476	476	476	476
Panel B: Full sample employing the difference in parental education							
Index	-15.266 (10.269)	-.179 (5.072)	1.260 (1.239)	-1.485 (1.697)	-15.706** (7.939)	-.962 (.780)	1.626 (1.475)
Index x dif educ	-5.497** (2.169)	-.795 (1.579)	-.243 (.292)	-.227 (.376)	-3.786** (1.746)	-.396** (.176)	-.846* (.455)
Obs.	816	816	816	816	816	816	816

Notes: The dependent variable is educational expenditure in the specified category, and the independent variables are the non-cognitive index and the index interacted with maternal education, in Panel A, and the difference between maternal and paternal education, in Panel B. In Panel A, the sample is restricted to exclude households in which the within-household difference between maternal and paternal education is below the 25th percentile or above the 75th percentile. In Panel B, the average difference in education is -2.8 years. For the ease of interpretation, the difference between maternal and paternal education has been demeaned, so that it is centered around 0. A higher internalizing or externalizing index is indicative of fewer non-cognitive challenges. All specifications include controls for sibling parity, gender, sibling gender, height-for-age and cognitive skills measured contemporaneously with non-cognitive characteristics, sibling parity, gender, age, height-for-age and achievement scores interacted with maternal education, year-of-birth and household fixed effects, and standard errors clustered at the village level. Standard errors are clustered at the level of the village.

Table B4: Absolute difference in child characteristics and parental education

	Height		Achievement		Internalizing		Externalizing	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
mothereduc-yrs	-.014 (.014)		.378* (.210)		-.001 (.014)		-.014 (.013)	
fathereduc-yrs		-.003 (.012)		.226 (.198)		.010 (.011)		.001 (.011)
Obs.	566	562	566	562	566	562	566	562

Notes: The dependent variables are the differences between the specified covariates (height-for-age, achievement test scores, internalizing index scores, and externalizing index scores) for the first-born and second-born children. The independent variables are maternal and parental education. Asterisks indicate significance at the 10, 5 and 1 percent level.