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Educational expectations in the great recession: has the impact of family background become stronger?

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Online Appendix

Article

Educational Expectations in the Great Recession: Has the Impact of Family Background Become Stronger?

Socio-economic Review

Table OA.1 Indicators of Household Material Resources from TIMSS User Guides

<i>Country</i>	<i>Items</i>
Australia	Digital camera Portable MP3 player (e.g., iPod) Musical instruments (e.g., piano, violin, guitar)
Belgium	Musical instrument (e.g., piano, violin, flute) A dictionary Daily newspaper A globe, geographical map, or atlas A second car A lawn mower
Canada	A quiet place to study Books to help with your school work (e.g., dictionary, encyclopaedia) A DVD player Ipod/Mp3 player Video game console (e.g., X-Box, Playstation, Wii) Works of art (e.g., paintings)
Chile	Shower with hot water Telephone Cable or Satellite TV Dishwasher Car (car, jeep, pick up light truck, van, etc.) Microwave oven
Finland	Your own mobile phone Your own computer for you to use Your own TV A musical instrument (e.g., piano, guitar) Pet(s)
Hong Kong	Taking piano or other orchestral instruments lessons (e.g., violin, clarinet, saxophone, etc.) Domestic help Car A private tutor Travelling by plane with my parents at least twice last year Going to art centres, museums, and cultural centres with my parents last year
Hungary	Digital camera (not part of a phone) Car owned by your family Dishwasher Your own iPod, MP3/MP4 player Home cinema system Your own bicycle
Italy	Your own smart-phone Air conditioning Anti-theft device Dishwasher Hydro-massage bathtub Your own musical instrument (except flute)
Japan	Calculator Dictionary Book or puzzle related to mathematics (except textbook, dictionary, workbook) Astronomical telescope Terrestrial globe Pictorial book of plants
Korea	Car Air-conditioner Water purifier Digital television (ex. wall-mounted television, flat-panel television) Kimchi refrigerator for maturing Air cleaner

Lithuania	Your own mobile phone Video / DVD player Encyclopedia, dictionary Automatic washing machine Dishwasher car
Malta	Video game console (e.g., PlayStation®, GameCube®, Xbox®) Mobile phone Mp3 / iPod® Digital camera Laptop / Netbook / PDA DVD player
New Zealand	Musical instruments (e.g., piano, violin, guitar) Clothes dryer Dishwasher Two or more bathrooms Your own computer or laptop Swimming pool or spa pool (do not include paddling pools)
Norway	Your own mobile phone Your own TV Flat-screen TV More than one computer Mp3 Player Computer games
Singapore	Car Domestic help (e.g., maid) Air-conditioner Your own mobile phone Your own multi-media player (e.g., MP3/DVD player, iPod) Your own video games (e.g., Nintendo®, Gameboy® or PlayStation®)
Slovenia	Encyclopedias, dictionaries etc. (printed or on computer) Sports equipment (e.g., Skiing equipment, mountain bikes, a boat) Paid domestic help I go on vacation (travel) with my parents every year I go to the music school I do sports
Spain	CD or DVD player Option not administered or data not available
Sweden	Your own mobile phone Your own TV Globe Piano Musical instruments other than piano
United Kingdom	Dishwasher Any musical instrument Encyclopedia (books or CD-ROM) Your own mobile phone Your own television Your own DVD player
United States	Encyclopedia (a book or CD) Play Station®, Game Cube®, Xbox®, or other TV/video game system VCR, DVD, or Blu-ray player

Note: No country-specific information on material household resources provided for: Cyprus, Czech Republic, Israel, Netherlands.
Source: TIMSS 2011 User Guide.

Table OA.2. Random slopes hierarchical linear models of educational expectations, by gender.

		<i>Model 1</i>		<i>Model 2</i>		<i>Model 3</i>	
		<i>Boys</i>	<i>Girls</i>	<i>Boys</i>	<i>Girls</i>	<i>Boys</i>	<i>Girls</i>
Prior performance (<i>ref. 1st quintile</i>)	2 nd quintile (Q2)	6.942***	7.143***	6.942***	7.142***	5.659***	6.147***
	3 rd quintile (Q3)	11.938***	11.444***	11.938***	11.444***	11.074***	10.792***
	4 th quintile (Q4)	16.452***	14.730***	16.453***	14.730***	15.873***	14.538***
	5 th quintile (Q5)	20.871***	17.670***	20.873***	17.672***	20.797***	17.996***
Controls	Native (<i>ref. migrant parents</i>)	-2.192***	-2.126***	-2.193***	-2.127***	-2.187***	-2.119***
Family resources	Educational resources	.221***	.181***	.257***	.225***	.256***	.223***
	Material resources	1.562***	1.429***	1.994***	1.707***	1.998***	1.705***
Economic context	GDP per capita (in thousands)	.302**	.234*	.302**	.234*	.302**	.234*
	GDP growth (annual %)	.935*	.902*	.936*	.901*	.758+	.798+
Interactions	Educational res. x growth			-.012*	-.015**	-.011*	-.014**
	Material res. x growth			-.140*	-0.09	-.141*	-0.088
	Q2 x growth					.421***	.335***
	Q3 x growth					.284**	.218**
	Q4 x growth					.189*	0.066
	Q5 x growth					0.019	-0.100
Constant		64.859***	70.532***	64.856***	70.535***	65.400***	70.832***

(Table continues on next page)

Random components	Random intercept	-2.475	-2.432	-2.510	-2.486	-2.510	-2.485
	Random slope (education)	0.031	0.073	-0.01	0.063	-0.013	0.063
	Random slope (material)	1.891	1.882	1.891	1.882	1.891	1.882
N of students		116,693	118,331	116,693	118,331	116,693	118,331
N of countries/clusters		24/59	24/59	24/59	24/59	24/59	24/59

Note: * p<.05; ** p<.01; *** p<.001; standard errors in parentheses. Level 1 is the student; level 2 is the country-year cluster.