

APPENDIX E:
Student percentages for dichotomous variables

Table E.1: Percentages of students in categories for dichotomous variables used in Chapters 3, 4, 5, and 6

Country	Gender (%)		Parental occupation (%)		Parental education (%)		Books at home (%)		Computer resources at home (%)	
	Males	Females	SEI below 50	SEI of 50 or above	No parents with university degree	At least one parent with university degree	25 books or less	More than 25 books	Fewer than two computers	Two computers or more
Chile	51 (1.7)	49 (1.7)	68 (1.7)	32 (1.7)	75 (1.4)	26 (1.4)	63 (1.8)	37 (1.8)	37 (1.4)	63 (1.4)
Denmark ^{† 1}	51 (0.9)	50 (0.9)	37 (1.3)	63 (1.3)	59 (1.6)	41 (1.6)	28 (1.1)	72 (1.1)	8 (0.6)	92 (0.6)
Finland	51 (0.8)	49 (0.8)	52 (1.4)	48 (1.4)	45 (1.3)	55 (1.3)	27 (1.3)	73 (1.3)	26 (1.1)	74 (1.1)
France	50 (0.6)	50 (0.6)	50 (1.1)	50 (1.1)	69 (1.2)	31 (1.2)	41 (1.2)	59 (1.2)	29 (1.0)	72 (1.0)
Germany	52 (0.9)	49 (0.9)	54 (1.4)	46 (1.4)	70 (1.4)	30 (1.4)	24 (1.2)	76 (1.2)	27 (1.1)	73 (1.1)
Italy ²	52 (0.6)	48 (0.6)	59 (1.5)	41 (1.5)	69 (1.3)	31 (1.3)	31 (1.3)	69 (1.3)	42 (1.1)	58 (1.1)
Kazakhstan ¹	52 (0.7)	48 (0.7)	51 (1.4)	49 (1.4)	65 (1.5)	35 (1.5)	55 (1.6)	45 (1.6)	71 (1.1)	29 (1.1)
Korea, Republic of	53 (0.9)	47 (0.9)	43 (1.5)	57 (1.5)	27 (1.4)	73 (1.4)	13 (0.8)	88 (0.8)	39 (1.3)	61 (1.3)
Luxembourg	53 (0.7)	47 (0.7)	58 (0.6)	43 (0.6)	56 (0.5)	44 (0.5)	28 (0.5)	72 (0.5)	20 (0.5)	80 (0.5)
Portugal ^{†† 1}	51 (1.0)	49 (1.0)	56 (1.5)	44 (1.5)	67 (1.6)	33 (1.6)	38 (1.2)	62 (1.2)	33 (1.0)	67 (1.0)
Uruguay	49 (1.0)	51 (1.0)	71 (1.5)	30 (1.5)	78 (1.6)	23 (1.6)	69 (1.5)	31 (1.5)	45 (1.2)	55 (1.2)
ICILS 2018 average	51 (0.3)	49 (0.3)	54 (0.4)	46 (0.4)	62 (0.4)	38 (0.4)	38 (0.4)	62 (0.4)	34 (0.3)	66 (0.3)
Not meeting sample participation requirements										
United States	51 (0.4)	49 (0.4)	39 (1.2)	62 (1.2)	52 (1.3)	48 (1.3)	37 (0.8)	63 (0.8)	30 (0.8)	70 (0.8)
Benchmarking participants meeting sample participation requirements										
Moscow (Russian Federation)	51 (0.7)	49 (0.7)	21 (1.1)	79 (1.1)	26 (1.5)	74 (1.5)	18 (0.9)	82 (0.9)	29 (1.4)	71 (1.4)
North Rhine-Westphalia (Germany)	52 (1.1)	48 (1.1)	46 (1.5)	54 (1.5)	69 (1.6)	32 (1.6)	26 (1.8)	74 (1.8)	28 (1.3)	72 (1.3)

Notes: Standard errors appear in parentheses. Because results are rounded to the nearest whole number, some totals may appear inconsistent. SEI = socioeconomic index.

[†] Met guidelines for sampling participation rates only after replacement schools were included.

^{††} Nearly met guidelines for sampling participation rates after replacement schools were included.

¹ National defined population covers 90% to 95% of the national target population.

² Country surveyed target grade in the first half of the school year.

Table E.2: Percentages of students in categories for dichotomous variables used in Chapters 3, 4, 5, and 6

Country	Immigrant background (%)		Test language (%)		Computer resources at home (%)		Study of ICT-related subject (%)	
	No immigrant background	Immigrant background	Students speaking another language at home	Student speaking the survey language at home	Fewer than two computers	Two computers or more	Not studying ICT-related subject	Studying ICT-related subject
Chile	95 (1.2)	5 (1.2)	3 (0.3)	98 (0.3)	37 (1.4)	63 (1.4)	14 (2.1)	86 (2.1)
Denmark ^{† 1}	90 (0.8)	10 (0.8)	7 (0.6)	93 (0.6)	8 (0.6)	92 (0.6)	85 (1.0)	15 (1.0)
Finland	97 (0.4)	3 (0.4)	7 (0.7)	93 (0.7)	26 (1.1)	74 (1.1)	70 (1.5)	30 (1.5)
France	85 (1.1)	15 (1.1)	13 (0.9)	87 (0.9)	29 (1.0)	72 (1.0)	18 (1.0)	82 (1.0)
Germany	77 (1.1)	23 (1.1)	20 (0.9)	80 (0.9)	27 (1.1)	73 (1.1)	63 (2.4)	37 (2.4)
Italy ²	90 (0.6)	11 (0.6)	21 (1.0)	79 (1.0)	42 (1.1)	58 (1.1)	10 (0.9)	90 (0.9)
Kazakhstan ¹	92 (0.8)	9 (0.8)	8 (1.0)	93 (1.0)	71 (1.1)	29 (1.1)	9 (0.8)	91 (0.8)
Korea, Republic of	100 (0.1)	0 (0.1)	1 (0.2)	99 (0.2)	39 (1.3)	61 (1.3)	73 (2.9)	27 (2.9)
Luxembourg	50 (0.8)	50 (0.8)	81 (0.6)	20 (0.6)	20 (0.5)	80 (0.5)	51 (0.5)	49 (0.5)
Portugal ^{†† 1}	93 (0.6)	7 (0.6)	4 (0.4)	96 (0.4)	33 (1.0)	67 (1.0)	12 (1.7)	89 (1.7)
Uruguay	98 (0.3)	2 (0.3)	3 (0.4)	97 (0.4)	45 (1.2)	55 (1.2)	2 (0.8)	98 (0.8)
ICILS 2018 average	88 (0.2)	12 (0.2)	15 (0.2)	85 (0.2)	34 (0.3)	66 (0.3)	37 (0.5)	63 (0.5)
Not meeting sample participation requirements								
United States	94 (0.5)	6 (0.5)	17 (1.2)	83 (1.2)	30 (0.8)	70 (0.8)	51 (1.3)	49 (1.3)
Benchmarking participants meeting sample participation requirements								
Moscow (Russian Federation)	90 (0.9)	10 (0.9)	4 (0.5)	96 (0.5)	29 (1.4)	71 (1.4)	2 (0.3)	98 (0.3)
North Rhine-Westphalia (Germany)	73 (1.8)	27 (1.8)	23 (1.8)	77 (1.8)	28 (1.3)	72 (1.3)	67 (2.2)	33 (2.2)

Notes: Standard errors appear in parentheses. Because results are rounded to the nearest whole number, some totals may appear inconsistent.

[†] Met guidelines for sampling participation rates only after replacement schools were included.

^{††} Nearly met guidelines for sampling participation rates after replacement schools were included.

¹ National defined population covers 90% to 95% of the national target population.

² Country surveyed target grade in the first half of the school year.