

Table S1

Column 1: Country/region name.

Column 2: Global Gender Gap Index 2015

Column 3: The percentage of women among STEM graduates in tertiary education

Column 4: The sex difference (d) in science literacy (with CI)

Column 5: The sex difference (d) in intra-individual science literacy scores (see Methods) (with CI)

Column 6: The sex difference (d) in self efficacy (boys – girls) (with CI)

Column 7: The sex difference (d) in broad interest in science (with CI)

Column 8: The sex difference (d) in enjoyment of science (with CI)

Column 9: The Overall Life Satisfaction score

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>
Albania	0.7	38.6	-0.31 [-0.36,-0.25]	0.26 [0.2,0.31]				4.6
Algeria	0.63	40.7	-0.21 [-0.26,-0.16]	0.17 [0.12,0.22]	0.04 [-0.01,0.09]		-0.13 [-0.19,-0.08]	6.4
Australia	0.73	24.5	0.02 [-0.01,0.05]	0.53 [0.5,0.57]	0.2 [0.16,0.23]	0.25 [0.22,0.29]	0.14 [0.11,0.17]	7.3
Austria	0.73	22	0.19 [0.14,0.24]	0.52 [0.48,0.57]	0.22 [0.18,0.27]	0.35 [0.3,0.39]	0.18 [0.14,0.23]	7.1
Belgium	0.75	18.7	0.12 [0.08,0.16]	0.46 [0.42,0.5]	0.22 [0.18,0.26]	0.19 [0.15,0.23]	0.18 [0.14,0.22]	6.9
Brazil	0.69	24.8	0.05 [0.02,0.07]	0.26 [0.23,0.28]	0.06 [0.03,0.08]	0.13 [0.1,0.15]	-0.04 [-0.06,-0.01]	7.0
B-S-J-G (China)			0.09 [0.05,0.13]	0.53 [0.49,0.57]	0.05 [0.01,0.09]	0.33 [0.29,0.37]	0.16 [0.12,0.2]	
Bulgaria	0.72	30.1	-0.15 [-0.2,-0.1]	0.28 [0.23,0.33]	-0.08 [-0.13,-0.03]	0.06 [0.01,0.11]	-0.16 [-0.21,-0.11]	4.4
Canada	0.74		0.01 [-0.01,0.04]	0.39 [0.37,0.42]	0.21 [0.18,0.23]	0.25 [0.22,0.28]	0.13 [0.1,0.16]	7.3
Chile	0.7	15.8	0.17 [0.13,0.22]	0.42 [0.37,0.47]	0.03 [-0.01,0.08]	0.19 [0.14,0.23]	-0.08 [-0.13,-0.03]	6.8
Chinese Taipei			0.04 [0,0.09]	0.61 [0.56,0.65]	0.05 [0.01,0.1]	0.39 [0.34,0.43]	0.38 [0.34,0.43]	
Colombia	0.73	29.7	0.13 [0.09,0.16]	0.59 [0.55,0.63]	0.03 [-0.01,0.06]	0.09 [0.06,0.13]	-0.02 [-0.06,0.01]	6.4
Costa Rica	0.73	21.2	0.26 [0.21,0.31]	0.66 [0.62,0.71]	0.01 [-0.03,0.06]	0.21 [0.16,0.25]	-0.03 [-0.07,0.02]	6.9
Croatia	0.71	27.2	0.06 [0.01,0.11]	0.49 [0.44,0.54]	0.15 [0.1,0.2]	0.19 [0.14,0.24]	0.05 [0,0.1]	5.2
Czech Republic	0.69	24.4	0.1 [0.05,0.14]	0.67 [0.62,0.72]	0.15 [0.1,0.19]	0.21 [0.16,0.26]	-0.06 [-0.11,-0.02]	6.6
Denmark	0.77	29.3	0.06 [0.02,0.11]	0.44 [0.39,0.49]	0.3 [0.25,0.34]	0.21 [0.17,0.26]	0.08 [0.04,0.13]	7.5
Estonia	0.75	25.5	0.04 [-0.01,0.09]	0.59 [0.54,0.64]	0.08 [0.03,0.13]	0.23 [0.18,0.28]	0.05 [0,0.1]	5.6
Finland	0.85	20	-0.2 [-0.25,-0.15]	0.39 [0.33,0.44]	0.22 [0.17,0.27]	0.28 [0.22,0.33]	0.04 [-0.01,0.09]	7.4
France	0.76	25.6	0.02 [-0.03,0.07]	0.45 [0.4,0.5]	0.27 [0.22,0.32]	0.3 [0.25,0.35]	0.28 [0.23,0.33]	6.4
Georgia	0.69	33.5	-0.18 [-0.23,-0.13]	0.41 [0.36,0.47]	-0.14 [-0.2,-0.09]		-0.14 [-0.2,-0.09]	4.1
Germany	0.78	26.9	0.1 [0.05,0.15]	0.38 [0.33,0.43]	0.31 [0.26,0.36]	0.44 [0.39,0.49]	0.36 [0.31,0.41]	7.0
Greece	0.69	30.4	-0.1 [-0.15,-0.05]	0.38 [0.32,0.43]	0.15 [0.09,0.2]	0.1 [0.05,0.16]	0.11 [0.06,0.16]	5.6
Hong Kong			-0.01 [-0.07,0.04]	0.51 [0.45,0.56]	0.14 [0.08,0.19]	0.38 [0.32,0.43]	0.25 [0.19,0.3]	5.5

Gender Equality Paradox – SOM – 2

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>
Hungary	0.67	20.2	0.03 [-0.03,0.08]	0.45 [0.4,0.5]	0.09 [0.04,0.14]	0.24 [0.19,0.29]	-0.02 [-0.07,0.03]	5.3
Iceland	0.88		-0.03 [-0.1,0.04]	0.61 [0.54,0.68]	0.33 [0.26,0.4]	0.23 [0.16,0.3]	0.21 [0.14,0.28]	7.5
Indonesia	0.68	35.5	-0.06 [-0.11,-0.01]	0.34 [0.29,0.39]	-0.01 [-0.06,0.03]		-0.09 [-0.14,-0.04]	5.0
Ireland	0.81	23.9	0.12 [0.07,0.18]	0.33 [0.28,0.38]	0.2 [0.15,0.25]	0.22 [0.17,0.28]	0.09 [0.03,0.14]	6.8
Israel	0.71		0.04 [-0.01,0.08]	0.35 [0.3,0.4]	0.13 [0.08,0.17]	0.12 [0.07,0.17]	0.05 [0,0.1]	7.4
Italy	0.73	32.1	0.19 [0.15,0.22]	0.47 [0.43,0.51]	0.15 [0.12,0.19]	0.28 [0.24,0.32]	0.24 [0.2,0.28]	5.8
Japan	0.67		0.15 [0.1,0.19]	0.45 [0.4,0.49]	0.21 [0.16,0.26]	0.33 [0.28,0.38]	0.45 [0.41,0.5]	5.9
Jordan	0.59		-0.46 [-0.5,-0.41]	0.13 [0.09,0.18]	-0.08 [-0.13,-0.04]		-0.23 [-0.28,-0.19]	5.4
Korea	0.65	26.9	-0.1 [-0.15,-0.05]	0.49 [0.44,0.55]	-0.03 [-0.08,0.03]	0.32 [0.26,0.37]	0.27 [0.22,0.33]	5.8
Latvia (LSS)	0.75	19.3	-0.13 [-0.18,-0.07]	0.51 [0.45,0.56]	0.04 [-0.02,0.09]	0.31 [0.25,0.37]	0.03 [-0.02,0.09]	5.9
Lebanon	0.6		0.02 [-0.03,0.08]	-0.09 [-0.15,-0.03]	0.04 [-0.02,0.1]		-0.04 [-0.1,0.01]	5.2
Lithuania	0.74	19.4	-0.08 [-0.13,-0.03]	0.54 [0.49,0.59]	0.08 [0.03,0.13]	0.25 [0.2,0.3]	-0.12 [-0.17,-0.07]	5.7
Luxembourg	0.74	28.7	0.08 [0.03,0.13]	0.5 [0.44,0.55]	0.18 [0.13,0.23]	0.28 [0.22,0.33]	0.12 [0.07,0.17]	6.7
Macao		12.4	-0.1 [-0.16,-0.04]	0.56 [0.5,0.62]	0.09 [0.03,0.15]	0.34 [0.28,0.39]	0.16 [0.11,0.22]	
Macedonia	0.7	33.9	-0.24 [-0.29,-0.19]	0.11 [0.05,0.16]	0.01 [-0.04,0.07]		-0.3 [-0.35,-0.24]	5.0
Malta	0.67	24	-0.09 [-0.16,-0.03]	0.33 [0.26,0.39]	0.21 [0.15,0.28]		0.1 [0.03,0.16]	6.6
Mexico	0.7	29.1	0.12 [0.07,0.16]	0.52 [0.47,0.56]	0.01 [-0.03,0.06]	0.16 [0.11,0.2]	0.01 [-0.03,0.06]	6.2
Moldova	0.74	25.2	-0.09 [-0.14,-0.03]	0.52 [0.46,0.57]	-0.06 [-0.11,0]		-0.21 [-0.27,-0.16]	6.0
Montenegro	0.69		-0.06 [-0.12,-0.01]	0.34 [0.29,0.4]	0.03 [-0.02,0.08]	0.05 [-0.01,0.1]	-0.07 [-0.12,-0.01]	5.1
Netherlands	0.78	20.2	0.04 [-0.01,0.1]	0.51 [0.46,0.56]	0.21 [0.16,0.27]	0.31 [0.26,0.36]	0.23 [0.18,0.29]	7.3
New Zealand	0.78	27	0.05 [0,0.11]	0.61 [0.55,0.67]	0.21 [0.15,0.27]	0.18 [0.13,0.24]	0.03 [-0.03,0.09]	7.4
Norway	0.85	20.3	0.03 [-0.02,0.09]	0.85 [0.8,0.91]	0.18 [0.12,0.23]	0.22 [0.16,0.27]	0.22 [0.17,0.27]	7.6
Peru	0.68		0.14 [0.09,0.19]	0.38 [0.33,0.43]	0.04 [-0.01,0.08]	0.11 [0.07,0.16]	0.01 [-0.04,0.06]	5.6
Poland	0.72	26.9	0.07 [0.01,0.13]	0.61 [0.55,0.67]	-0.01 [-0.07,0.05]	0.17 [0.11,0.22]	-0.1 [-0.16,-0.05]	6.0
Portugal	0.73	31.4	0.11 [0.06,0.15]	0.48 [0.43,0.53]	0.12 [0.07,0.16]	0.27 [0.22,0.31]	0.08 [0.04,0.13]	5.1
Puerto Rico (USA)		25.1	-0.12 [-0.22,-0.01]	0.32 [0.21,0.42]	-0.07 [-0.17,0.04]		-0.05 [-0.16,0.05]	
Qatar	0.65	22.9	-0.24 [-0.27,-0.2]	0.27 [0.24,0.31]	0.03 [0,0.07]	0.22 [0.19,0.26]	0 [-0.04,0.03]	6.4
Romania	0.69	32.6	-0.08 [-0.13,-0.02]	0.03 [-0.03,0.09]	0 [-0.06,0.05]		-0.07 [-0.12,-0.01]	5.8
Russian Federation	0.69		0.05 [0,0.1]	0.5 [0.45,0.55]	0.14 [0.09,0.2]	0.26 [0.21,0.31]	0.07 [0.02,0.12]	6.0
Singapore	0.71		0.06 [0.01,0.11]	0.62 [0.57,0.67]	0.19 [0.14,0.24]	0.34 [0.29,0.39]	0.17 [0.12,0.22]	6.6
Slovak Republic	0.68	24.8	-0.01 [-0.06,0.04]	0.47 [0.42,0.52]	0.14 [0.09,0.19]	0.17 [0.12,0.22]	-0.02 [-0.07,0.03]	6.2
Slovenia	0.78	22.7	-0.06 [-0.11,-0.01]	0.57 [0.52,0.62]	0.09 [0.04,0.14]	0.28 [0.23,0.33]	-0.03 [-0.08,0.02]	5.7

Gender Equality Paradox – SOM – 3

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>
Spain	0.74	25	0.07 [0.02,0.12]	0.35 [0.3,0.4]	0.21 [0.16,0.25]	0.18 [0.13,0.23]	0.1 [0.05,0.14]	6.4
Sweden	0.82	23.4	-0.04 [-0.1,0.01]	0.56 [0.51,0.61]	0.3 [0.24,0.35]	0.25 [0.2,0.3]	0.17 [0.12,0.23]	7.3
Switzerland	0.79	23	0.06 [0.01,0.11]	0.43 [0.38,0.48]	0.2 [0.15,0.25]	0.28 [0.23,0.33]	0.15 [0.1,0.2]	7.6
Thailand	0.71	24.6	-0.12 [-0.16,-0.07]	0.37 [0.33,0.42]	0.01 [-0.04,0.05]	0.09 [0.05,0.13]	-0.06 [-0.11,-0.02]	6.2
Trinidad and Tobago	0.72		-0.23 [-0.28,-0.17]	0.35 [0.29,0.41]	0.01 [-0.05,0.06]		-0.01 [-0.06,0.05]	6.2
Tunisia	0.63	38.5	0.06 [0.01,0.12]	0.52 [0.46,0.57]	0.07 [0.01,0.12]	0.09 [0.04,0.14]	-0.12 [-0.18,-0.07]	5.1
Turkey	0.62	36.3	-0.08 [-0.13,-0.03]	0.16 [0.11,0.21]	-0.1 [-0.15,-0.05]	0.15 [0.09,0.2]	0.01 [-0.05,0.06]	5.5
United Arab Emirates	0.65	37.4	-0.26 [-0.29,-0.22]	0.13 [0.1,0.16]	0 [-0.03,0.04]	0.2 [0.17,0.23]	-0.02 [-0.05,0.01]	6.6
United Kingdom	0.76	29.4	0 [-0.03,0.04]	0.14 [0.1,0.17]	0.21 [0.18,0.25]	0.29 [0.26,0.33]	0.17 [0.14,0.2]	6.5
United States	0.74	24.6	0.07 [0.02,0.12]	0.48 [0.43,0.53]	0.19 [0.14,0.24]	0.29 [0.23,0.34]	0.2 [0.14,0.25]	7.2
Uruguay	0.68		0.1 [0.05,0.15]	0.49 [0.44,0.54]	0.05 [0,0.1]	0.05 [0,0.1]	-0.06 [-0.11,-0.01]	6.6
Vietnam	0.69	36.4	-0.04 [-0.09,0.02]	0.52 [0.47,0.58]	-0.06 [-0.11,-0.01]		0.07 [0.02,0.12]	5.1

* B-S-J-G stands for the combined dataset from the Chinese areas Beijing, Shanghai, Jiangsu, and Guangdong.

Table S2

List of the intra-individual strengths in science, mathematics, and reading (Cohen's d with CI) as presented in Figure 2.

Column 1: Country/region name.

Column 2: The sex difference (d) in science literacy (with CI)

Column 3: The sex difference (d) in mathematics (with CI)

Column 4: The sex difference (d) in reading (with CI)

Column 5: The sex difference (d) in intra-individual science literacy scores (see Methods) (with CI)

Column 6: The sex difference (d) in intra-individual mathematics scores (see Methods) (with CI)

Column 7: The sex difference (d) in intra-individual reading scores (see Methods) (with CI)

Note that columns 2-4 correspond to Figure 2A and columns 5-7 to Figure 2B.

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
Albania	-0.31 [-0.36,-0.25]	-0.1 [-0.16,-0.05]	-0.61 [-0.66,-0.55]	0.26 [0.2,0.31]	0.79 [0.73,0.84]	-0.7 [-0.75,-0.64]
Algeria	-0.21 [-0.26,-0.16]	-0.09 [-0.14,-0.04]	-0.43 [-0.48,-0.37]	0.17 [0.12,0.22]	0.44 [0.39,0.49]	-0.44 [-0.49,-0.38]
Australia	0.02 [-0.01,0.05]	0.06 [0.03,0.09]	-0.31 [-0.34,-0.27]	0.53 [0.5,0.57]	0.55 [0.52,0.58]	-0.83 [-0.86,-0.79]
Austria	0.19 [0.14,0.24]	0.28 [0.23,0.33]	-0.21 [-0.26,-0.17]	0.52 [0.48,0.57]	0.75 [0.7,0.8]	-1.07 [-1.12,-1.02]
Belgium	0.12 [0.08,0.16]	0.15 [0.11,0.19]	-0.16 [-0.2,-0.12]	0.46 [0.42,0.5]	0.48 [0.44,0.52]	-0.82 [-0.86,-0.77]
Brazil	0.05 [0.02,0.07]	0.17 [0.15,0.2]	-0.23 [-0.26,-0.21]	0.26 [0.23,0.28]	0.64 [0.61,0.66]	-0.84 [-0.86,-0.81]
B-S-J-G (China)	0.09 [0.05,0.13]	0.05 [0.01,0.09]	-0.15 [-0.19,-0.11]	0.53 [0.49,0.57]	0.25 [0.21,0.29]	-0.61 [-0.65,-0.57]
Bulgaria	-0.15 [-0.2,-0.1]	-0.01 [-0.06,0.04]	-0.41 [-0.46,-0.36]	0.28 [0.23,0.33]	0.72 [0.66,0.77]	-0.86 [-0.91,-0.8]
Canada	0.01 [-0.01,0.04]	0.1 [0.07,0.13]	-0.28 [-0.31,-0.25]	0.39 [0.37,0.42]	0.58 [0.55,0.61]	-0.81 [-0.84,-0.78]
Chile	0.17 [0.13,0.22]	0.21 [0.17,0.26]	-0.14 [-0.18,-0.09]	0.42 [0.37,0.47]	0.44 [0.4,0.49]	-0.79 [-0.84,-0.74]
Chinese Taipei	0.04 [0,0.09]	0.05 [0.01,0.1]	-0.27 [-0.32,-0.23]	0.61 [0.56,0.65]	0.47 [0.43,0.52]	-0.87 [-0.92,-0.82]
Colombia	0.13 [0.09,0.16]	0.13 [0.1,0.17]	-0.18 [-0.21,-0.14]	0.59 [0.55,0.63]	0.47 [0.43,0.5]	-0.83 [-0.87,-0.79]
Costa Rica	0.26 [0.21,0.31]	0.24 [0.19,0.28]	-0.18 [-0.23,-0.13]	0.66 [0.62,0.71]	0.44 [0.39,0.48]	-0.96 [-1.01,-0.91]
Croatia	0.06 [0.01,0.11]	0.14 [0.09,0.19]	-0.29 [-0.34,-0.24]	0.49 [0.44,0.54]	0.67 [0.62,0.72]	-0.95 [-1,-0.89]
Czech Republic	0.1 [0.05,0.14]	0.07 [0.02,0.12]	-0.26 [-0.31,-0.21]	0.67 [0.62,0.72]	0.44 [0.39,0.49]	-0.89 [-0.94,-0.84]
Denmark	0.06 [0.02,0.11]	0.1 [0.06,0.15]	-0.25 [-0.3,-0.21]	0.44 [0.39,0.49]	0.46 [0.41,0.5]	-0.71 [-0.75,-0.66]
Estonia	0.04 [-0.01,0.09]	0.07 [0.02,0.12]	-0.32 [-0.37,-0.27]	0.59 [0.54,0.64]	0.53 [0.48,0.59]	-0.86 [-0.91,-0.8]
Finland	-0.2 [-0.25,-0.15]	-0.09 [-0.14,-0.04]	-0.5 [-0.55,-0.45]	0.39 [0.33,0.44]	0.66 [0.6,0.71]	-0.82 [-0.87,-0.77]
France	0.02 [-0.03,0.07]	0.06 [0.01,0.11]	-0.25 [-0.31,-0.2]	0.45 [0.4,0.5]	0.52 [0.47,0.57]	-0.79 [-0.85,-0.74]
Georgia	-0.18 [-0.23,-0.13]	-0.14 [-0.19,-0.08]	-0.56 [-0.61,-0.5]	0.41 [0.36,0.47]	0.63 [0.58,0.69]	-0.76 [-0.81,-0.7]
Germany	0.1 [0.05,0.15]	0.2 [0.15,0.25]	-0.21 [-0.25,-0.16]	0.38 [0.33,0.43]	0.7 [0.65,0.75]	-0.9 [-0.95,-0.85]

Gender Equality Paradox – SOM – 5

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
Greece	-0.1 [-0.15,-0.05]	-0.01 [-0.06,0.05]	-0.38 [-0.44,-0.33]	0.38 [0.32,0.43]	0.6 [0.55,0.66]	-0.82 [-0.87,-0.76]
Hong Kong	-0.01 [-0.07,0.04]	0.02 [-0.03,0.08]	-0.33 [-0.39,-0.28]	0.51 [0.45,0.56]	0.5 [0.44,0.55]	-0.77 [-0.83,-0.72]
Hungary	0.03 [-0.03,0.08]	0.08 [0.03,0.14]	-0.26 [-0.31,-0.21]	0.45 [0.4,0.5]	0.55 [0.5,0.61]	-0.86 [-0.92,-0.81]
Iceland	-0.03 [-0.1,0.04]	-0.02 [-0.09,0.05]	-0.42 [-0.49,-0.35]	0.61 [0.54,0.68]	0.53 [0.46,0.6]	-0.86 [-0.93,-0.79]
Indonesia	-0.06 [-0.11,-0.01]	-0.03 [-0.08,0.02]	-0.31 [-0.36,-0.26]	0.34 [0.29,0.39]	0.38 [0.33,0.43]	-0.5 [-0.55,-0.45]
Ireland	0.12 [0.07,0.18]	0.19 [0.14,0.25]	-0.15 [-0.2,-0.09]	0.33 [0.28,0.38]	0.56 [0.5,0.61]	-0.79 [-0.84,-0.73]
Israel	0.04 [-0.01,0.08]	0.08 [0.03,0.13]	-0.21 [-0.26,-0.16]	0.35 [0.3,0.4]	0.49 [0.44,0.53]	-0.76 [-0.81,-0.71]
Italy	0.19 [0.15,0.22]	0.21 [0.18,0.25]	-0.17 [-0.21,-0.14]	0.47 [0.43,0.51]	0.44 [0.41,0.48]	-0.75 [-0.79,-0.72]
Japan	0.15 [0.1,0.19]	0.16 [0.11,0.2]	-0.14 [-0.19,-0.09]	0.45 [0.4,0.49]	0.37 [0.33,0.42]	-0.7 [-0.75,-0.65]
Jordan	-0.46 [-0.5,-0.41]	-0.17 [-0.22,-0.13]	-0.76 [-0.81,-0.71]	0.13 [0.09,0.18]	0.96 [0.91,1.01]	-0.86 [-0.91,-0.81]
Korea	-0.1 [-0.15,-0.05]	-0.07 [-0.12,-0.01]	-0.41 [-0.46,-0.36]	0.49 [0.44,0.55]	0.49 [0.44,0.55]	-0.75 [-0.8,-0.69]
Latvia (LSS)	-0.13 [-0.18,-0.07]	-0.03 [-0.09,0.03]	-0.5 [-0.56,-0.44]	0.51 [0.45,0.56]	0.67 [0.62,0.73]	-0.97 [-1.03,-0.91]
Lebanon	0.02 [-0.03,0.08]	0.22 [0.17,0.28]	-0.12 [-0.17,-0.06]	-0.09 [-0.15,-0.03]	0.67 [0.61,0.73]	-0.59 [-0.65,-0.53]
Lithuania	-0.08 [-0.13,-0.03]	-0.01 [-0.06,0.04]	-0.42 [-0.46,-0.37]	0.54 [0.49,0.59]	0.63 [0.58,0.68]	-0.85 [-0.9,-0.8]
Luxembourg	0.08 [0.03,0.13]	0.12 [0.06,0.17]	-0.2 [-0.26,-0.15]	0.5 [0.44,0.55]	0.51 [0.46,0.57]	-0.83 [-0.89,-0.78]
Macao	-0.1 [-0.16,-0.04]	-0.1 [-0.16,-0.04]	-0.39 [-0.44,-0.33]	0.56 [0.5,0.62]	0.31 [0.25,0.37]	-0.64 [-0.7,-0.58]
Macedonia	-0.24 [-0.29,-0.19]	-0.08 [-0.13,-0.02]	-0.46 [-0.51,-0.4]	0.11 [0.05,0.16]	0.66 [0.61,0.72]	-0.6 [-0.65,-0.54]
Malta	-0.09 [-0.16,-0.03]	-0.03 [-0.09,0.04]	-0.35 [-0.41,-0.28]	0.33 [0.26,0.39]	0.54 [0.47,0.61]	-0.75 [-0.82,-0.69]
Mexico	0.12 [0.07,0.16]	0.1 [0.06,0.15]	-0.2 [-0.25,-0.16]	0.52 [0.47,0.56]	0.34 [0.3,0.39]	-0.74 [-0.79,-0.69]
Moldova	-0.09 [-0.14,-0.03]	-0.02 [-0.07,0.03]	-0.53 [-0.59,-0.48]	0.52 [0.46,0.57]	0.68 [0.62,0.73]	-0.91 [-0.97,-0.86]
Montenegro	-0.06 [-0.12,-0.01]	0.01 [-0.05,0.06]	-0.35 [-0.4,-0.3]	0.34 [0.29,0.4]	0.51 [0.46,0.57]	-0.72 [-0.78,-0.67]
Netherlands	0.04 [-0.01,0.1]	0.03 [-0.03,0.08]	-0.22 [-0.27,-0.16]	0.51 [0.46,0.56]	0.38 [0.32,0.43]	-0.76 [-0.82,-0.7]
New Zealand	0.05 [0,0.11]	0.09 [0.03,0.15]	-0.31 [-0.37,-0.25]	0.61 [0.55,0.67]	0.56 [0.5,0.62]	-0.88 [-0.94,-0.82]
Norway	0.03 [-0.02,0.09]	-0.04 [-0.09,0.02]	-0.41 [-0.47,-0.36]	0.85 [0.8,0.91]	0.44 [0.38,0.49]	-0.9 [-0.95,-0.84]
Peru	0.14 [0.09,0.19]	0.12 [0.07,0.16]	-0.08 [-0.13,-0.03]	0.38 [0.33,0.43]	0.22 [0.17,0.27]	-0.53 [-0.58,-0.49]
Poland	0.07 [0.01,0.13]	0.13 [0.07,0.19]	-0.33 [-0.39,-0.27]	0.61 [0.55,0.67]	0.72 [0.66,0.78]	-0.97 [-1.04,-0.91]
Portugal	0.11 [0.06,0.15]	0.1 [0.06,0.15]	-0.18 [-0.23,-0.14]	0.48 [0.43,0.53]	0.37 [0.32,0.41]	-0.67 [-0.72,-0.63]
Puerto Rico (USA)	-0.12 [-0.22,-0.01]	-0.1 [-0.2,0.01]	-0.32 [-0.42,-0.21]	0.32 [0.21,0.42]	0.35 [0.25,0.46]	-0.49 [-0.6,-0.38]
Qatar	-0.24 [-0.27,-0.2]	-0.12 [-0.16,-0.09]	-0.47 [-0.51,-0.44]	0.27 [0.24,0.31]	0.71 [0.68,0.75]	-0.85 [-0.89,-0.82]
Romania	-0.08 [-0.13,-0.02]	0.01 [-0.04,0.07]	-0.18 [-0.23,-0.12]	0.03 [-0.03,0.09]	0.36 [0.3,0.41]	-0.32 [-0.38,-0.27]
Russian Federation	0.05 [0,0.1]	0.08 [0.03,0.13]	-0.3 [-0.35,-0.25]	0.5 [0.45,0.55]	0.4 [0.35,0.45]	-0.69 [-0.74,-0.64]
Singapore	0.06 [0.01,0.11]	0.01 [-0.04,0.06]	-0.2 [-0.25,-0.15]	0.62 [0.57,0.67]	0.23 [0.18,0.28]	-0.65 [-0.7,-0.6]

Gender Equality Paradox – SOM – 6

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
Slovak Republic	-0.01 [-0.06,0.04]	0.06 [0.01,0.11]	-0.34 [-0.39,-0.29]	0.47 [0.42,0.52]	0.65 [0.6,0.71]	-0.93 [-0.98,-0.88]
Slovenia	-0.06 [-0.11,-0.01]	0.04 [-0.01,0.09]	-0.48 [-0.53,-0.43]	0.57 [0.52,0.62]	0.75 [0.7,0.8]	-1.01 [-1.06,-0.95]
Spain	0.07 [0.02,0.12]	0.19 [0.15,0.24]	-0.24 [-0.29,-0.19]	0.35 [0.3,0.4]	0.66 [0.62,0.71]	-0.81 [-0.86,-0.76]
Sweden	-0.04 [-0.1,0.01]	-0.01 [-0.07,0.04]	-0.39 [-0.44,-0.33]	0.56 [0.51,0.61]	0.56 [0.5,0.61]	-0.79 [-0.85,-0.74]
Switzerland	0.06 [0.01,0.11]	0.13 [0.08,0.18]	-0.26 [-0.31,-0.2]	0.43 [0.38,0.48]	0.61 [0.56,0.67]	-0.89 [-0.94,-0.83]
Thailand	-0.12 [-0.16,-0.07]	-0.03 [-0.07,0.02]	-0.4 [-0.44,-0.36]	0.37 [0.33,0.42]	0.51 [0.47,0.56]	-0.59 [-0.63,-0.54]
Trinidad and Tobago	-0.23 [-0.28,-0.17]	-0.18 [-0.24,-0.12]	-0.49 [-0.55,-0.44]	0.35 [0.29,0.41]	0.57 [0.51,0.63]	-0.63 [-0.69,-0.57]
Tunisia	0.06 [0.01,0.12]	0.06 [0.01,0.11]	-0.32 [-0.38,-0.27]	0.52 [0.46,0.57]	0.41 [0.35,0.46]	-0.8 [-0.86,-0.75]
Turkey	-0.08 [-0.13,-0.03]	0.08 [0.03,0.13]	-0.33 [-0.38,-0.28]	0.16 [0.11,0.21]	0.7 [0.65,0.76]	-0.76 [-0.82,-0.71]
United Arab Emirates	-0.26 [-0.29,-0.22]	-0.07 [-0.1,-0.04]	-0.48 [-0.51,-0.45]	0.13 [0.1,0.16]	0.82 [0.78,0.85]	-0.84 [-0.87,-0.81]
United Kingdom	0 [-0.03,0.04]	0.13 [0.1,0.16]	-0.21 [-0.25,-0.18]	0.14 [0.1,0.17]	0.53 [0.5,0.57]	-0.63 [-0.66,-0.6]
United States	0.07 [0.02,0.12]	0.09 [0.04,0.14]	-0.21 [-0.26,-0.16]	0.48 [0.43,0.53]	0.44 [0.39,0.49]	-0.76 [-0.81,-0.71]
Uruguay	0.1 [0.05,0.15]	0.15 [0.1,0.2]	-0.24 [-0.29,-0.19]	0.49 [0.44,0.54]	0.56 [0.51,0.61]	-0.9 [-0.95,-0.84]
Vietnam	-0.04 [-0.09,0.02]	-0.04 [-0.1,0.01]	-0.34 [-0.39,-0.28]	0.52 [0.47,0.58]	0.41 [0.35,0.46]	-0.77 [-0.82,-0.71]

Table S3

Details of the mediation analysis using a bootstrap method (5000 iterations). Values shown for the Average Causal Mediation Effect (ACME), Average Direct Effect (ADE), Total Effect, and proportion mediated.

	<i>Estimate</i>	<i>95% CI lower bound</i>	<i>95% CI upper bound</i>	<i>p value</i>
<i>ACME</i>	-0.19	-0.39	-0.04	.013
<i>ADE</i>	-0.34	-0.65	-0.02	.038
<i>Total Effect</i>	-0.53	-0.75	-0.29	< .001
<i>Prop. Mediated</i>	0.35	0.06	0.95	.013

Figure S1

In the sensitivity analysis, ρ is the correlation between the residuals of the mediator variable (OLS) and the residuals of the outcome variable (STEM graduation gap) regressions. If there are unobserved variables which influence both the mediator and the outcome variables in a mediation analysis, it is assumed that the *sequential ignorability* assumption is violated and the ρ value will deviate from zero (Imai et al., 2010). The sensitivity analysis is based on a variation of ρ values (x-axis) and its effect on the mediation effect (y-axis). This analysis was carried out with the *R* mediation package (Tingley et al., 2014).

