

Hey! Cities! Leave them kids alone!

Sunday 10th December, 2023 15:25

strong effects! on the whole, 0.5 on 1-10 scale, and for some countries close to 1!

We know that adults tend to be less happy in cities across the world (except in the poorest nations such as Sub-Saharan Africa) (Okulicz-Kozaryn and Valente 2021). But we do not know about the children.

1 Happiness in Kids

TODO: write sth about happiness in kids; btw looks like they used normal happiness question; not smileys

2 Data

We use 2018 pisa from <https://www.oecd.org/pisa/data/2018database/>. Age is 15 to 16.3, so not kids kids but more like little adolescents.

Urbanicity is recorded in School questionnaire administered to school principals:

Which of the following definitions best describes the community in which your school is located?

- A village, hamlet or rural area (fewer than 3 000 people)
- A small town (3 000 to about 15 000 people)
- A town (15 000 to about 100 000 people)
- A city (100 000 to about 1 000 000 people)
- A large city (with over 1 000 000 people)

A nice feature of PISA data is that there are large cities, 1m, in wvs for instance the top bin is only 500k. And it is missing for only 6 percent of observations.

a limitation is that we do not see a good health variable—existing ones are missing for vast majority. Health is of course a key happiness predictor, but arguably less important for kids as they are healthier than adults.

PISA 2018 defines meaning in life as the extent to which 15-year-olds comprehend, make sense of, or find significance in their lives (pis ???). PISA 2018 asked students whether they agree or disagree ("strongly disagree", "disagree", "agree", "strongly agree") with the following statements: "My life has clear meaning or purpose"; "I have discovered a satisfactory meaning in life"; and "I have a clear sense of what gives meaning to my life". These statements were combined to create the index of meaning in life

TODO varDes

3 Results

The differences are large—about .5 on 0-10 SWB scale. It needs to be remembered that ecological variables have small effects on SWB as expected—most SWB is explained by genes (Schnittker 2008) and person level predictors (Veenhoven 2014)). And in a1-a3¹ there is a big difference between the largest cities (gt1m) and everything else just as for adults (Okulicz-Kozaryn 2016). But interestingly, not necessarily like adults, there is also a large gap between lt3k and 3-15k, again especially in models a1-a3, perhaps in the open country there are best outdoor play opportunities for the kids.

As in adults (Okulicz-Kozaryn and Valente 2021), addition of income/wealth makes results stronger—income/wealth confounds with urbanicity.

In full model a4 results are strong, beta (fully standardized; not shown) for gt1m is 65 percent of wealth.

Finally we split by gender in a4m and a4f—interestingly city penalty higher for female; arguably because fem more affected by urban crime

Table 1: OLS regressions of life satisfaction.

| | a1 | a2 | a3 | a4 | a4f | a4m |
|--|----------|----------|----------|----------|----------|----------|
| lt3k | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3-15k | -0.34*** | -0.38*** | -0.37*** | -0.19*** | -0.21*** | -0.16*** |
| 15-100k | -0.37*** | -0.41*** | -0.41*** | -0.25*** | -0.30*** | -0.20*** |
| 100k-1m | -0.44*** | -0.47*** | -0.49*** | -0.40*** | -0.45*** | -0.34*** |
| gt1m | -0.61*** | -0.65*** | -0.67*** | -0.46*** | -0.53*** | -0.37*** |
| Family wealth (WLE) | | 0.07*** | 0.05*** | 0.21*** | 0.20*** | 0.21*** |
| female | | | -0.40*** | -0.39*** | 0.00 | 0.00 |
| What is the highest level of schooling completed by your father? | | | -0.03*** | -0.02*** | -0.02*** | -0.02** |
| constant | 7.63*** | 7.70*** | 7.97*** | 9.34*** | 9.15*** | 9.14*** |
| country dummies | no | no | no | yes | yes | yes |
| N | 471551 | 470216 | 452931 | 452931 | 228834 | 224097 |

*p<0.05 **p<0.01 ***p<0.001

¹Not in a4 controlling for country dummies.

| | lt3k | 3-15k | 15-100k | 100k-1m | gt1m | N |
|-----|------|-------|---------|---------|-------|-------|
| ALB | 0.0 | -0.0 | -0.2* | -0.3* | -0.2 | 5916 |
| ARE | 0.0 | -0.4* | -0.7* | -0.8* | -1.2* | 16145 |
| ARG | 0.0 | -0.1 | -0.2 | -0.3* | -0.2 | 9409 |
| AUT | 0.0 | -0.1 | 0.0 | -0.0 | -0.4* | 6090 |
| BGR | 0.0 | -0.4 | -0.4 | -0.7* | -0.7* | 4215 |
| BIH | 0.0 | -0.0 | -0.1 | -0.3+ | | 5901 |
| BLR | 0.0 | -0.2* | -0.0 | -0.4* | -0.7* | 5404 |
| BRA | 0.0 | -0.0 | -0.2 | -0.5* | -0.4+ | 7851 |
| BRN | 0.0 | -0.1 | -0.1 | -0.2+ | | 6360 |
| CHE | 0.0 | -0.1 | -0.1 | -0.1 | | 5114 |
| CHL | 0.0 | 0.8* | 0.3 | 0.2 | 0.2 | 6009 |
| COL | 0.0 | 0.2 | -0.1 | -0.3* | -0.5* | 6460 |
| CRI | 0.0 | -0.2+ | -0.2* | -0.5* | -0.9* | 6049 |
| CZE | 0.0 | 0.0 | 0.1 | -0.0 | -0.5* | 6198 |
| DEU | 0.0 | -0.0 | 0.0 | -0.0 | 0.2 | 3322 |
| DOM | 0.0 | 0.1 | 0.1 | -0.2 | -0.2 | 3528 |
| ESP | 0.0 | -0.3* | -0.3* | -0.5* | -0.3* | 31904 |
| EST | 0.0 | -0.2+ | 0.0 | -0.1 | | 4942 |
| FIN | 0.0 | -0.1 | -0.0 | 0.1 | | 5203 |
| FRA | 0.0 | -0.0 | 0.1 | -0.0 | 0.4 | 5007 |
| GBR | 0.0 | -0.1 | -0.1 | -0.2 | 0.1 | 9546 |
| GEO | 0.0 | 0.1 | -0.1 | -0.3* | -0.4* | 4784 |
| GRC | 0.0 | -0.1 | -0.4* | -0.3* | -0.4* | 5948 |
| HKG | 0.0 | 0.4 | 0.4 | 0.1 | 0.2 | 4078 |
| HRV | 0.0 | 0.6 | 0.7+ | 0.5 | 0.3 | 6289 |
| HUN | 0.0 | -0.3 | -0.5 | -0.5 | -0.6* | 4801 |
| IDN | 0.0 | -0.1 | -0.2+ | -0.3* | 0.2+ | 9950 |
| IRL | 0.0 | -0.3* | -0.3* | -0.1 | -0.4* | 5182 |
| ISL | 0.0 | -0.0 | 0.0 | -0.1 | | 2915 |
| ITA | 0.0 | -0.1 | -0.3* | -0.3* | -0.5* | 10478 |
| JOR | 0.0 | -0.3* | -0.5* | -0.6* | -0.4* | 8090 |
| JPN | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 5669 |
| KAZ | 0.0 | -0.2* | -0.4* | -0.9* | -0.7* | 17919 |
| KOR | 0.0 | -0.9* | -0.4 | -0.6* | -0.6* | 6450 |
| KSV | 0.0 | -0.4* | -0.4* | -0.7* | | 4468 |
| LBN | 0.0 | 0.5* | 0.4* | 0.5* | 1.0* | 3999 |
| LTU | 0.0 | -0.3* | -0.1 | -0.4* | | 6084 |
| LUX | 0.0 | 0.0 | -0.2+ | -0.2* | | 4465 |
| LVA | 0.0 | 0.1 | 0.1 | -0.0 | | 4675 |
| MAC | 0.0 | | | 0.1 | | 3707 |
| MAR | 0.0 | -0.2 | -0.5* | -0.4* | -0.6* | 4846 |
| MDA | 0.0 | -0.1 | -0.1 | -0.4* | -0.6* | 4892 |
| MEX | 0.0 | -0.1 | -0.2+ | -0.2+ | -0.3* | 5811 |
| MKD | 0.0 | -0.5* | -0.7* | -0.7* | -0.8* | 4391 |
| MLT | 0.0 | 0.1 | -0.1 | | | 3030 |
| MNE | 0.0 | -1.3* | -1.3* | -1.4* | | 6138 |
| MYS | 0.0 | -0.0 | -0.1 | -0.5* | -0.5* | 5853 |
| NLD | 0.0 | -0.2 | -0.1 | -0.2 | | 3514 |
| PAN | 0.0 | 0.3+ | 0.1 | -0.2 | -0.5* | 3505 |
| PER | 0.0 | -0.2+ | -0.1 | -0.3* | -0.5* | 4855 |
| PHL | 0.0 | 0.3* | 0.1 | -0.1 | -0.0 | 6142 |
| POL | 0.0 | -0.2+ | -0.2* | -0.2+ | 0.0 | 5274 |
| PRT | 0.0 | -0.6* | -0.6* | -0.6* | -0.6* | 5265 |
| QAT | 0.0 | 0.0 | -0.1 | -0.1 | -0.3+ | 11765 |
| QAZ | 0.0 | 0.5 | 0.6 | 0.2 | 0.6 | 3664 |
| QCI | 0.0 | -0.2 | -0.1 | -0.2+ | -0.1 | 11923 |
| QMR | 0.0 | -0.7* | -0.6* | -0.7* | 0.1 | 1885 |
| QRT | 0.0 | -0.4* | -1.0* | -1.0* | -1.0* | 5293 |
| ROU | 0.0 | 0.3 | 0.2 | 0.1 | 0.1 | 4817 |
| RUS | 0.0 | -0.5* | -0.7* | -0.7* | -1.0* | 6587 |
| SAU | 0.0 | -0.5* | -0.4* | -0.7* | -0.8* | 5452 |
| SRB | 0.0 | 0.3 | 0.6 | 0.4 | 0.2 | 5832 |
| SVK | 0.0 | 0.0 | -0.1 | -0.4* | | 5162 |
| SVN | 0.0 | -0.3 | -0.2 | -0.2 | | 5473 |
| TAP | 0.0 | -0.1 | -0.1 | -0.1 | -0.2 | 6887 |
| THA | 0.0 | -0.1+ | -0.3* | -0.4* | -0.6* | 8279 |
| TUR | 0.0 | 1.2* | 0.7* | 0.5 | 0.4 | 6598 |
| UKR | 0.0 | -0.3* | -0.5* | -0.6* | -0.9* | 5632 |
| URY | 0.0 | -0.1 | -0.2 | -0.2 | -0.5* | 4330 |
| USA | 0.0 | -0.0 | -0.2 | -0.5* | -0.2 | 4121 |
| VNM | 0.0 | -0.0 | -0.2+ | -0.3* | -0.6* | 5191 |

* p<0.05,
+ p<0.1;
robust std
err

Table 2: OLS regressions of life satisfaction on place size for each country separately including covariates from a4 (not shown). Only LBN and HUN marginally happier in cities lt1m

3.1 Eudamonia

in table 3 different from lifests, biggest hit from lt3k to 3-15k in b1-b3, and in b4 controlling for country dummies rather smooth gradient. females about 2x less eudamonia than males in urban v rural

Table 3: OLS regressions of Eudamonia.

| | b1 | b2 | b3 | b4 | b4f | b4m |
|--|----------|----------|----------|----------|----------|----------|
| lt3k | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3-15k | -0.09*** | -0.08*** | -0.08*** | -0.05*** | -0.06*** | -0.03*** |
| 15-100k | -0.13*** | -0.12*** | -0.12*** | -0.06*** | -0.09*** | -0.03*** |
| 100k-1m | -0.14*** | -0.13*** | -0.13*** | -0.10*** | -0.14*** | -0.07*** |
| gt1m | -0.15*** | -0.13*** | -0.13*** | -0.13*** | -0.17*** | -0.08*** |
| Family wealth (WLE) | | -0.02*** | -0.02*** | 0.06*** | 0.05*** | 0.06*** |
| female | | | -0.07*** | -0.07*** | 0.00 | 0.00 |
| What is the highest level of schooling completed by your father? | | | 0.01*** | 0.01*** | 0.01*** | 0.00 |
| constant | 0.27*** | 0.24*** | 0.27*** | 0.74*** | 0.71*** | 0.69*** |
| country dummies | no | no | no | yes | yes | yes |
| N | 483844 | 482944 | 465568 | 465568 | 236002 | 229566 |

*p<0.05 **p<0.01 ***p<0.001

in atble 4 urban eudamia penalty is less clear than life satisfaction—while most countries do have urban penalty, there is a handful with urban eudamonic premium

| | lt3k | 3-15k | 15-100k | 100k-1m | gt1m | N |
|-----|------|-------|---------|---------|-------|-------|
| ALB | 0.0 | -0.0 | -0.1 | -0.1* | -0.1* | 5940 |
| ARE | 0.0 | -0.1* | -0.3* | -0.3* | -0.5* | 16256 |
| ARG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9071 |
| AUS | 0.0 | -0.1 | -0.0 | -0.1 | -0.0 | 10845 |
| AUT | 0.0 | 0.1+ | 0.1+ | -0.0 | -0.0 | 5946 |
| BEL | 0.0 | 0.0 | 0.0 | -0.1 | 0.2* | 4134 |
| BGR | 0.0 | -0.0 | 0.1 | -0.0 | -0.1 | 4065 |
| BIH | 0.0 | -0.0 | 0.0 | -0.0 | | 5836 |
| BLR | 0.0 | -0.0 | -0.0 | -0.1* | -0.2* | 5347 |
| BRA | 0.0 | 0.2* | 0.1+ | 0.1 | 0.1+ | 7662 |
| BRN | 0.0 | -0.1* | -0.1* | -0.1* | | 6195 |
| CHE | 0.0 | 0.0 | -0.1+ | -0.1 | | 4867 |
| CHL | 0.0 | 0.1 | -0.0 | -0.1 | -0.2+ | 5741 |
| COL | 0.0 | 0.0 | 0.0 | 0.0 | -0.1+ | 6469 |
| CRI | 0.0 | -0.0 | -0.1+ | -0.1* | -0.3* | 6039 |
| CZE | 0.0 | -0.1 | -0.1+ | -0.2* | -0.2* | 6066 |
| DEU | 0.0 | -0.1 | -0.1 | -0.1 | -0.0 | 3127 |
| DNK | 0.0 | 0.1* | 0.2* | 0.2* | 0.2* | 5026 |
| DOM | 0.0 | -0.1 | 0.0 | -0.0 | -0.1 | 3016 |
| ESP | 0.0 | -0.0 | -0.0 | -0.1* | -0.0 | 30916 |
| EST | 0.0 | 0.0 | 0.1* | 0.0 | | 4923 |
| FIN | 0.0 | 0.0 | 0.0 | 0.1 | | 5103 |
| FRA | 0.0 | -0.1 | -0.2* | -0.2* | -0.3* | 4871 |
| GBR | 0.0 | -0.0 | -0.0 | -0.1 | 0.2* | 9358 |
| GEO | 0.0 | -0.0 | 0.1+ | -0.1 | -0.1* | 4524 |
| GRC | 0.0 | 0.0 | -0.1 | -0.1* | -0.1+ | 5911 |
| HKG | 0.0 | -0.2 | -0.2 | -0.2* | -0.2* | 4087 |
| HRV | 0.0 | 0.0 | 0.1 | -0.1 | -0.1 | 6179 |
| HUN | 0.0 | 0.0 | -0.1 | -0.1 | -0.2* | 4761 |
| IDN | 0.0 | 0.0 | 0.0 | -0.0 | 0.1* | 10289 |
| IRL | 0.0 | -0.1* | -0.1* | -0.0 | -0.1* | 5090 |
| ISL | 0.0 | -0.1+ | 0.0 | -0.1 | | 2854 |
| ITA | 0.0 | -0.2* | -0.2* | -0.2* | -0.2* | 10203 |
| JOR | 0.0 | -0.1 | -0.1 | -0.1+ | -0.1* | 8095 |
| JPN | 0.0 | 0.0 | -0.1 | -0.1 | -0.1 | 5636 |
| KAZ | 0.0 | -0.1* | -0.2* | -0.2* | -0.2* | 17553 |
| KOR | 0.0 | -0.5* | -0.4* | -0.4* | -0.3* | 6444 |
| KSV | 0.0 | -0.0 | -0.0 | -0.1+ | | 4349 |
| LBN | 0.0 | 0.1+ | 0.1+ | 0.1 | 0.1+ | 4069 |
| LTU | 0.0 | -0.1* | -0.1* | -0.2* | | 5986 |
| LUX | 0.0 | 0.0 | 0.0 | -0.1+ | | 4348 |
| LVA | 0.0 | -0.1+ | -0.1* | -0.1* | | 4590 |
| MAC | 0.0 | | | 0.3 | | 3718 |
| MAR | 0.0 | -0.0 | 0.0 | 0.0 | -0.0 | 4489 |
| MDA | 0.0 | -0.1+ | -0.2* | -0.2* | -0.3* | 4886 |
| MEX | 0.0 | 0.1* | 0.1 | 0.1* | 0.1 | 5525 |
| MKD | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 4399 |
| MLT | 0.0 | 0.1 | 0.0 | | | 2978 |
| MNE | 0.0 | 0.7 | 0.7 | 0.6 | | 6025 |
| MYS | 0.0 | -0.0 | 0.1+ | -0.1* | -0.2* | 5952 |
| NLD | 0.0 | 0.1 | 0.1 | 0.2 | | 3480 |
| PAN | 0.0 | 0.2* | 0.2* | 0.1 | -0.0 | 3052 |
| PER | 0.0 | -0.1 | -0.0 | -0.1 | -0.1 | 4484 |
| PHL | 0.0 | -0.1 | -0.0 | -0.0 | -0.0 | 6788 |
| POL | 0.0 | -0.1 | -0.1* | -0.1* | -0.0 | 5282 |
| PRT | 0.0 | -0.0 | -0.0 | -0.1 | -0.2 | 5200 |
| QAT | 0.0 | 0.0 | -0.1* | -0.1* | -0.2* | 11656 |
| QAZ | 0.0 | -0.4+ | -0.3 | -0.5* | -0.3+ | 3516 |
| QCI | 0.0 | -0.1+ | -0.1+ | -0.1* | -0.1* | 11938 |
| QMR | 0.0 | -0.1 | -0.1 | -0.1 | 0.4* | 1827 |
| QRT | 0.0 | -0.2* | -0.2* | -0.3* | -0.3* | 5206 |
| ROU | 0.0 | -0.1 | -0.1* | -0.2* | -0.1+ | 4771 |
| RUS | 0.0 | -0.2* | -0.3* | -0.2* | -0.3* | 6410 |
| SAU | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 5268 |
| SRB | 0.0 | -0.2* | -0.1* | -0.1* | -0.2* | 5632 |
| SVK | 0.0 | -0.1+ | -0.1* | -0.3* | | 5066 |
| SVN | 0.0 | -0.0 | -0.0 | -0.0 | | 5432 |
| TAP | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 6959 |
| THA | 0.0 | -0.0 | -0.1* | -0.1* | -0.1* | 8389 |
| TUR | 0.0 | 0.2 | 0.1 | 0.1 | 0.1 | 6706 |
| UKR | 0.0 | -0.1* | -0.2* | -0.2* | -0.3* | 5546 |
| URY | 0.0 | 0.0 | 0.0 | 0.2+ | -0.0 | 3899 |
| USA | 0.0 | 0.1 | -0.0 | -0.1 | 0.0 | 4086 |
| VNM | 0.0 | 0.0 | -0.1 | -0.1* | -0.1* | 5216 |

* p<0.05,
+ p<0.1;
robust std
err

Table 4: OLS regressions of Eudamonia on place size for each country separately including covariates from b4 (not shown). Most countries eudamoinc urban penalty, but a handful of countries have premium

4 Conclusion and discussion

Future research: Arguably after the pandemic cities became even more unhappy just as adults did ??blind for peer-review

TODO: have separate som-r.tex as opposed to having it below; and in paper say see supplementary material as opposed to see

ONLINE APPENDIX

[note: this section will NOT be a part of the final version of the manuscript, but will be available online instead]

| | lt3k | 3-15k | 15-100k | 100k-1m | gt1m | N |
|-----|------|-------|---------|---------|-------|-------|
| ALB | 0.0 | -0.0 | -0.2* | -0.2* | -0.1 | 6002 |
| ARE | 0.0 | -0.4* | -0.7* | -0.8* | -1.1* | 16355 |
| ARG | 0.0 | 0.0 | -0.1 | -0.2 | -0.1 | 10442 |
| AUT | 0.0 | -0.1 | 0.0 | -0.0 | -0.5* | 6466 |
| BGR | 0.0 | -0.1 | 0.0 | -0.2 | -0.3 | 4403 |
| BIH | 0.0 | -0.0 | -0.1 | -0.2 | | 5982 |
| BLR | 0.0 | -0.1 | 0.1 | -0.3* | -0.6* | 5712 |
| BRA | 0.0 | -0.1 | -0.2 | -0.5* | -0.4* | 8385 |
| BRN | 0.0 | -0.1 | -0.0 | -0.2 | | 6528 |
| CHE | 0.0 | -0.2+ | -0.2 | -0.3+ | | 5441 |
| CHL | 0.0 | 0.5* | 0.3 | 0.2 | 0.3 | 6442 |
| COL | 0.0 | 0.2 | -0.1 | -0.3* | -0.6* | 6633 |
| CRI | 0.0 | -0.2* | -0.1+ | -0.4* | -0.9* | 6420 |
| CZE | 0.0 | -0.0 | -0.1 | -0.1 | -0.4* | 6487 |
| DEU | 0.0 | 0.0 | 0.0 | -0.0 | 0.1 | 3839 |
| DOM | 0.0 | 0.1 | 0.1 | -0.1 | -0.2 | 3694 |
| ESP | 0.0 | -0.3* | -0.3* | -0.4* | -0.4* | 33374 |
| EST | 0.0 | -0.2+ | -0.0 | -0.0 | | 5129 |
| FIN | 0.0 | -0.1 | 0.0 | 0.1 | | 5384 |
| FRA | 0.0 | 0.1 | 0.2 | 0.1 | 0.4+ | 5312 |
| GBR | 0.0 | -0.1 | -0.2 | -0.2* | -0.2 | 11090 |
| GEO | 0.0 | 0.2+ | 0.1 | -0.1 | -0.2 | 4929 |
| GRC | 0.0 | -0.0 | -0.3* | -0.3* | -0.3* | 5995 |
| HKG | 0.0 | 0.3 | 0.3 | 0.1 | 0.1 | 4205 |
| HRV | 0.0 | 0.7 | 0.8+ | 0.5 | 0.4 | 6376 |
| HUN | 0.0 | -0.2 | -0.4 | -0.4 | -0.4 | 4926 |
| IDN | 0.0 | -0.1 | -0.1 | -0.2* | 0.3* | 10131 |
| IRL | 0.0 | -0.3* | -0.3* | -0.1 | -0.5* | 5422 |
| ISL | 0.0 | 0.0 | 0.1 | -0.0 | | 3011 |
| ITA | 0.0 | -0.1 | -0.3* | -0.4* | -0.6* | 10745 |
| JOR | 0.0 | -0.1 | -0.2 | -0.2 | 0.0 | 8395 |
| JPN | 0.0 | 0.0 | 0.3+ | 0.2 | 0.2 | 6030 |
| KAZ | 0.0 | -0.2* | -0.5* | -0.9* | -1.1* | 18736 |
| KOR | 0.0 | -0.9* | -0.3 | -0.6* | -0.5+ | 6511 |
| KSV | 0.0 | -0.3* | -0.3* | -0.6* | | 4522 |
| LBN | 0.0 | 0.6* | 0.6* | 0.6* | 1.5* | 4390 |
| LTU | 0.0 | -0.2* | -0.1 | -0.4* | | 6568 |
| LUX | 0.0 | 0.0 | -0.1 | -0.0 | | 5010 |
| LVA | 0.0 | 0.1 | 0.2 | 0.1 | | 4928 |
| MAC | 0.0 | | | 0.3 | | 3746 |
| MAR | 0.0 | -0.2 | -0.4* | -0.3* | -0.4* | 5116 |
| MDA | 0.0 | 0.1 | 0.1 | -0.0 | 0.1 | 5232 |
| MEX | 0.0 | -0.0 | -0.1 | 0.1 | -0.0 | 5961 |
| MKD | 0.0 | -0.5* | -0.6* | -0.6* | -0.8* | 4652 |
| MLT | 0.0 | 0.0 | -0.2 | | | 3142 |
| MNE | 0.0 | -1.3* | -1.3* | -1.4* | | 6253 |
| MYS | 0.0 | -0.0 | -0.0 | -0.4* | -0.4* | 5880 |
| NLD | 0.0 | -0.1 | -0.1 | -0.2 | | 3617 |
| PAN | 0.0 | 0.3+ | 0.1 | -0.1 | -0.5* | 3775 |
| PER | 0.0 | -0.2* | -0.2* | -0.3* | -0.6* | 4926 |
| PHL | 0.0 | 0.5* | 0.2+ | 0.1 | 0.2 | 6299 |
| POL | 0.0 | -0.2+ | -0.2* | -0.2 | -0.0 | 5463 |
| PRT | 0.0 | -0.6* | -0.6* | -0.6* | -0.6* | 5477 |
| QAT | 0.0 | 0.0 | -0.0 | -0.1 | -0.1 | 12127 |
| QAZ | 0.0 | 0.6 | 0.8 | 0.4 | 0.9 | 3719 |
| QCI | 0.0 | -0.2 | -0.1 | -0.2 | -0.0 | 11943 |
| QMR | 0.0 | -0.8* | -0.6* | -0.7* | 0.0 | 1942 |
| QRT | 0.0 | -0.3* | -0.9* | -0.9* | -0.9* | 5525 |
| ROU | 0.0 | 0.4* | 0.4* | 0.4* | 0.4+ | 4948 |
| RUS | 0.0 | -0.5* | -0.6* | -0.6* | -0.8* | 6866 |
| SAU | 0.0 | -0.5* | -0.4* | -0.7* | -0.8* | 5794 |
| SRB | 0.0 | 0.4 | 0.7 | 0.6 | 0.4 | 5918 |
| SVK | 0.0 | 0.1 | -0.1 | -0.3* | | 5275 |
| SVN | 0.0 | -0.3 | -0.2 | -0.2 | | 5550 |
| TAP | 0.0 | -0.1 | -0.1 | -0.1 | -0.3 | 6962 |
| THA | 0.0 | -0.1+ | -0.3* | -0.4* | -0.6* | 8357 |
| TUR | 0.0 | 1.1* | 0.7* | 0.5+ | 0.6+ | 6643 |
| UKR | 0.0 | -0.2+ | -0.3* | -0.4* | -0.6* | 5898 |
| URY | 0.0 | 0.0 | -0.1 | -0.0 | -0.2 | 4652 |
| USA | 0.0 | 0.0 | -0.1 | -0.4* | -0.2 | 4252 |
| VNM | 0.0 | 0.0 | -0.2 | -0.2* | -0.6* | 5291 |

* p<0.05,
+ p<0.1;
robust std
err

Table 5: OLS regressions of SWB on place size only (bivariate; a1) for each country separately. barely anything like france and 2 more

References

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