

## Online Appendix

Burger, Morrison, Hendriks, and Hoogerbrugge (2020) –  
Urban-Rural Happiness Differentials across the World

Appendix A: Frequencies and proportions of observations per country and settlement type for the fullest analysis sample (2014-2018).

| Country/territory        | Urban | Peri-urban | Rural  | Total  | Proportion Urban | Proportion Peri-urban | Proportion Rural |
|--------------------------|-------|------------|--------|--------|------------------|-----------------------|------------------|
| Afghanistan              | 801   | 701        | 3,496  | 4,998  | 0.16             | 0.14                  | 0.70             |
| Albania                  | 2,253 | 2,238      | 506    | 4,997  | 0.45             | 0.45                  | 0.10             |
| Algeria                  | 3,196 | 434        | 386    | 4,016  | 0.80             | 0.11                  | 0.10             |
| Angola                   | 197   | 133        | 608    | 938    | 0.21             | 0.14                  | 0.65             |
| Argentina                | 3,052 | 1,779      | 128    | 4,959  | 0.62             | 0.36                  | 0.03             |
| Armenia                  | 1,962 | 1,334      | 1,703  | 4,999  | 0.39             | 0.27                  | 0.34             |
| Australia                | 4,568 | 799        | 615    | 5,982  | 0.76             | 0.13                  | 0.10             |
| Austria                  | 2,517 | 2,296      | 1,148  | 5,961  | 0.42             | 0.39                  | 0.19             |
| Azerbaijan               | 1,894 | 849        | 2,254  | 4,997  | 0.38             | 0.17                  | 0.45             |
| Bahrain                  | 2,813 | 1,958      | 273    | 5,044  | 0.56             | 0.39                  | 0.05             |
| Bangladesh               | 718   | 1,271      | 3,010  | 4,999  | 0.14             | 0.25                  | 0.60             |
| Belarus                  | 2,774 | 1,226      | 1,218  | 5,218  | 0.53             | 0.23                  | 0.23             |
| Belgium                  | 2,146 | 2,842      | 1,051  | 6,039  | 0.36             | 0.47                  | 0.17             |
| Belize                   | 112   | 184        | 208    | 504    | 0.22             | 0.37                  | 0.41             |
| Benin                    | 1,081 | 2,179      | 1,735  | 4,995  | 0.22             | 0.44                  | 0.35             |
| Bhutan                   | 370   | 330        | 1,340  | 2,040  | 0.18             | 0.16                  | 0.66             |
| Bolivia                  | 2,531 | 1,940      | 528    | 4,999  | 0.51             | 0.39                  | 0.11             |
| Bosnia and Herzegovina   | 1,278 | 1,751      | 1,945  | 4,974  | 0.26             | 0.35                  | 0.39             |
| Botswana                 | 863   | 1,641      | 2,498  | 5,002  | 0.17             | 0.33                  | 0.50             |
| Brazil                   | 2,343 | 1,981      | 687    | 5,011  | 0.47             | 0.40                  | 0.14             |
| Bulgaria                 | 2,481 | 2,318      | 200    | 4,999  | 0.50             | 0.46                  | 0.04             |
| Burkina Faso             | 1,040 | 2,398      | 1,560  | 4,998  | 0.21             | 0.48                  | 0.31             |
| Burundi                  | 252   | 244        | 1,501  | 1,997  | 0.13             | 0.12                  | 0.75             |
| Cambodia                 | 950   | 3,505      | 1,143  | 5,598  | 0.17             | 0.63                  | 0.20             |
| Cameroon                 | 1,404 | 1,270      | 1,323  | 3,997  | 0.35             | 0.32                  | 0.33             |
| Canada                   | 3,836 | 1,391      | 709    | 5,936  | 0.65             | 0.23                  | 0.12             |
| Central African Republic | 702   | 847        | 451    | 2,000  | 0.35             | 0.42                  | 0.23             |
| Chad                     | 829   | 3,270      | 891    | 4,990  | 0.17             | 0.66                  | 0.18             |
| Chile                    | 3,652 | 827        | 638    | 5,117  | 0.71             | 0.16                  | 0.12             |
| China                    | 6,250 | 3,593      | 11,156 | 20,999 | 0.30             | 0.17                  | 0.53             |
| Colombia                 | 2,441 | 1,947      | 603    | 4,991  | 0.49             | 0.39                  | 0.12             |
| Comoros                  | 420   | 510        | 70     | 1,000  | 0.42             | 0.51                  | 0.07             |
| Congo Brazzaville        | 2,943 | 1,661      | 380    | 4,984  | 0.59             | 0.33                  | 0.08             |
| Congo Kinshasa           | 1,408 | 1,760      | 832    | 4,000  | 0.35             | 0.44                  | 0.21             |
| Costa Rica               | 2,092 | 2,003      | 809    | 4,904  | 0.43             | 0.41                  | 0.16             |
| Croatia                  | 1,652 | 3,022      | 318    | 4,992  | 0.33             | 0.61                  | 0.06             |
| Cyprus                   | 3,440 | 2,330      | 263    | 6,033  | 0.57             | 0.39                  | 0.04             |
| Czech Republic           | 1,872 | 2,859      | 233    | 4,964  | 0.38             | 0.58                  | 0.05             |
| Denmark                  | 3,036 | 2,240      | 693    | 5,969  | 0.51             | 0.38                  | 0.12             |
| Dominican Republic       | 2,381 | 1,364      | 1,137  | 4,882  | 0.49             | 0.28                  | 0.23             |

|             |       |       |       |        |      |      |      |
|-------------|-------|-------|-------|--------|------|------|------|
| Ecuador     | 2,037 | 1,871 | 1,090 | 4,998  | 0.41 | 0.37 | 0.22 |
| Egypt       | 2,282 | 2,147 | 570   | 4,999  | 0.46 | 0.43 | 0.11 |
| El Salvador | 2,232 | 1,066 | 1,702 | 5,000  | 0.45 | 0.21 | 0.34 |
| Estonia     | 2,397 | 1,310 | 1,293 | 5,000  | 0.48 | 0.26 | 0.26 |
| Ethiopia    | 829   | 1,637 | 2,538 | 5,004  | 0.17 | 0.33 | 0.51 |
| Finland     | 2,498 | 2,192 | 1,290 | 5,980  | 0.42 | 0.37 | 0.22 |
| France      | 2,682 | 2,562 | 731   | 5,975  | 0.45 | 0.43 | 0.12 |
| Gabon       | 3,210 | 1,204 | 593   | 5,007  | 0.64 | 0.24 | 0.12 |
| Gambia      | 457   | 1,074 | 469   | 2,000  | 0.23 | 0.54 | 0.23 |
| Georgia     | 1,909 | 950   | 2,141 | 5,000  | 0.38 | 0.19 | 0.43 |
| Germany     | 3,326 | 2,733 | 936   | 6,995  | 0.48 | 0.39 | 0.13 |
| Ghana       | 1,772 | 1,974 | 1,241 | 4,987  | 0.36 | 0.40 | 0.25 |
| Greece      | 3,220 | 1,170 | 610   | 5,000  | 0.64 | 0.23 | 0.12 |
| Guatemala   | 1,670 | 1,102 | 2,220 | 4,992  | 0.33 | 0.22 | 0.44 |
| Guinea      | 1,518 | 2,141 | 1,337 | 4,996  | 0.30 | 0.43 | 0.27 |
| Haiti       | 752   | 849   | 915   | 2,516  | 0.30 | 0.34 | 0.36 |
| Honduras    | 1,767 | 892   | 2,189 | 4,848  | 0.36 | 0.18 | 0.45 |
| Hong Kong   | 3,727 | 185   | 39    | 3,951  | 0.94 | 0.05 | 0.01 |
| Hungary     | 1,990 | 2,946 | 1     | 4,937  | 0.40 | 0.60 | 0.00 |
| Iceland     | 821   | 644   | 156   | 1,621  | 0.51 | 0.40 | 0.10 |
| India       | 2,460 | 4,578 | 7,960 | 14,998 | 0.16 | 0.31 | 0.53 |
| Indonesia   | 1,420 | 1,218 | 2,359 | 4,997  | 0.28 | 0.24 | 0.47 |
| Iran        | 3,712 | 1,619 | 670   | 6,001  | 0.62 | 0.27 | 0.11 |
| Iraq        | 3,947 | 1,021 | 1,024 | 5,992  | 0.66 | 0.17 | 0.17 |
| Ireland     | 2,374 | 2,221 | 1,378 | 5,973  | 0.40 | 0.37 | 0.23 |
| Israel      | 3,511 | 1,006 | 493   | 5,010  | 0.70 | 0.20 | 0.10 |
| Italy       | 2,306 | 3,426 | 253   | 5,985  | 0.39 | 0.57 | 0.04 |
| Ivory Coast | 1,369 | 2,842 | 786   | 4,997  | 0.27 | 0.57 | 0.16 |
| Jamaica     | 408   | 328   | 272   | 1,008  | 0.40 | 0.33 | 0.27 |
| Japan       | 2,524 | 2,777 | 678   | 5,979  | 0.42 | 0.46 | 0.11 |
| Jordan      | 3,621 | 790   | 593   | 5,004  | 0.72 | 0.16 | 0.12 |
| Kazakhstan  | 1,961 | 829   | 2,207 | 4,997  | 0.39 | 0.17 | 0.44 |
| Kenya       | 608   | 1,258 | 3,134 | 5,000  | 0.12 | 0.25 | 0.63 |
| Kuwait      | 4,461 | 275   | 68    | 4,804  | 0.93 | 0.06 | 0.01 |
| Kyrgyzstan  | 1,046 | 609   | 3,345 | 5,000  | 0.21 | 0.12 | 0.67 |
| Laos        | 893   | 1,550 | 1,047 | 3,490  | 0.26 | 0.44 | 0.30 |
| Latvia      | 2,654 | 1,517 | 870   | 5,041  | 0.53 | 0.30 | 0.17 |
| Lebanon     | 2,607 | 2,109 | 284   | 5,000  | 0.52 | 0.42 | 0.06 |
| Lesotho     | 45    | 539   | 1,416 | 2,000  | 0.02 | 0.27 | 0.71 |
| Liberia     | 1,931 | 2,431 | 633   | 4,995  | 0.39 | 0.49 | 0.13 |
| Libya       | 2,240 | 556   | 709   | 3,505  | 0.64 | 0.16 | 0.20 |
| Lithuania   | 2,281 | 1,598 | 1,102 | 4,981  | 0.46 | 0.32 | 0.22 |
| Luxembourg  | 1,986 | 3,395 | 609   | 5,990  | 0.33 | 0.57 | 0.10 |
| Madagascar  | 1,186 | 794   | 3,025 | 5,005  | 0.24 | 0.16 | 0.60 |
| Malawi      | 769   | 1,436 | 2,794 | 4,999  | 0.15 | 0.29 | 0.56 |
| Malaysia    | 2,138 | 1,415 | 420   | 3,973  | 0.54 | 0.36 | 0.11 |

|                         |       |       |       |       |      |      |      |
|-------------------------|-------|-------|-------|-------|------|------|------|
| Mali                    | 1,206 | 2,814 | 980   | 5,000 | 0.24 | 0.56 | 0.20 |
| Malta                   | 2,080 | 3,539 | 322   | 5,941 | 0.35 | 0.60 | 0.05 |
| Mauritania              | 1,759 | 1,894 | 1,342 | 4,995 | 0.35 | 0.38 | 0.27 |
| Mauritius               | 1,401 | 2,137 | 337   | 3,875 | 0.36 | 0.55 | 0.09 |
| Mexico                  | 2,554 | 1,593 | 928   | 5,075 | 0.50 | 0.31 | 0.18 |
| Moldova                 | 1,075 | 893   | 3,031 | 4,999 | 0.22 | 0.18 | 0.61 |
| Mongolia                | 2,416 | 1,072 | 1,512 | 5,000 | 0.48 | 0.21 | 0.30 |
| Montenegro              | 2,388 | 1,575 | 1,021 | 4,984 | 0.48 | 0.32 | 0.20 |
| Morocco                 | 2,133 | 1,033 | 1,891 | 5,057 | 0.42 | 0.20 | 0.37 |
| Mozambique              | 424   | 774   | 1,800 | 2,998 | 0.14 | 0.26 | 0.60 |
| Myanmar                 | 1,750 | 3,135 | 775   | 5,660 | 0.31 | 0.55 | 0.14 |
| Namibia                 | 873   | 1,450 | 682   | 3,005 | 0.29 | 0.48 | 0.23 |
| Nepal                   | 856   | 806   | 3,385 | 5,047 | 0.17 | 0.16 | 0.67 |
| Netherlands             | 2,032 | 3,412 | 549   | 5,993 | 0.34 | 0.57 | 0.09 |
| New Zealand             | 3,741 | 1,309 | 916   | 5,966 | 0.63 | 0.22 | 0.15 |
| Nicaragua               | 1,933 | 1,712 | 1,330 | 4,975 | 0.39 | 0.34 | 0.27 |
| Niger                   | 529   | 2,323 | 2,149 | 5,001 | 0.11 | 0.46 | 0.43 |
| Nigeria                 | 1,444 | 2,385 | 1,165 | 4,994 | 0.29 | 0.48 | 0.23 |
| North Macedonia         | 2,502 | 1,862 | 699   | 5,063 | 0.49 | 0.37 | 0.14 |
| Norway                  | 2,365 | 2,529 | 2,086 | 6,980 | 0.34 | 0.36 | 0.30 |
| Pakistan                | 2,194 | 2,421 | 976   | 5,591 | 0.39 | 0.43 | 0.17 |
| Palestinian Territories | 3,705 | 1,295 | 0     | 5,000 | 0.74 | 0.26 | 0.00 |
| Panama                  | 2,584 | 1,712 | 632   | 4,928 | 0.52 | 0.35 | 0.13 |
| Paraguay                | 1,676 | 1,142 | 2,143 | 4,961 | 0.34 | 0.23 | 0.43 |
| Peru                    | 2,894 | 1,490 | 608   | 4,992 | 0.58 | 0.30 | 0.12 |
| Philippines             | 2,113 | 918   | 1,955 | 4,986 | 0.42 | 0.18 | 0.39 |
| Poland                  | 1,785 | 2,290 | 920   | 4,995 | 0.36 | 0.46 | 0.18 |
| Portugal                | 2,038 | 3,014 | 978   | 6,030 | 0.34 | 0.50 | 0.16 |
| Puerto Rico             | 172   | 85    | 238   | 495   | 0.35 | 0.17 | 0.48 |
| Qatar                   | 779   | 148   | 23    | 950   | 0.82 | 0.16 | 0.02 |
| Romania                 | 1,844 | 1,273 | 1,881 | 4,998 | 0.37 | 0.25 | 0.38 |
| Russia                  | 5,271 | 2,814 | 1,901 | 9,986 | 0.53 | 0.28 | 0.19 |
| Rwanda                  | 522   | 1,174 | 3,304 | 5,000 | 0.10 | 0.23 | 0.66 |
| Saudi Arabia            | 5,167 | 611   | 208   | 5,986 | 0.86 | 0.10 | 0.03 |
| Senegal                 | 1,725 | 2,236 | 1,037 | 4,998 | 0.35 | 0.45 | 0.21 |
| Serbia                  | 1,920 | 1,623 | 1,424 | 4,967 | 0.39 | 0.33 | 0.29 |
| Sierra Leone            | 1,385 | 2,385 | 1,231 | 5,001 | 0.28 | 0.48 | 0.25 |
| Singapore               | 4,999 | 1     | 0     | 5,000 | 1.00 | 0.00 | 0.00 |
| Slovakia                | 1,337 | 2,819 | 842   | 4,998 | 0.27 | 0.56 | 0.17 |
| Slovenia                | 1,809 | 3,624 | 551   | 5,984 | 0.30 | 0.61 | 0.09 |
| Somalia                 | 1,609 | 1,321 | 257   | 3,187 | 0.50 | 0.41 | 0.08 |
| South Africa            | 1,512 | 2,033 | 1,454 | 4,999 | 0.30 | 0.41 | 0.29 |
| South Korea             | 5,074 | 401   | 512   | 5,987 | 0.85 | 0.07 | 0.09 |
| South Sudan             | 450   | 1,163 | 2,377 | 3,990 | 0.11 | 0.29 | 0.60 |
| Spain                   | 3,137 | 2,547 | 302   | 5,986 | 0.52 | 0.43 | 0.05 |
| Sri Lanka               | 819   | 2,126 | 1,391 | 4,336 | 0.19 | 0.49 | 0.32 |

|                      |         |         |         |         |      |      |      |
|----------------------|---------|---------|---------|---------|------|------|------|
| Sudan                | 482     | 196     | 281     | 959     | 0.50 | 0.20 | 0.29 |
| Swaziland            | 119     | 171     | 710     | 1,000   | 0.12 | 0.17 | 0.71 |
| Sweden               | 2,530   | 2,379   | 1,059   | 5,968   | 0.42 | 0.40 | 0.18 |
| Switzerland          | 1,674   | 2,942   | 883     | 5,499   | 0.30 | 0.54 | 0.16 |
| Syria                | 303     | 243     | 456     | 1,002   | 0.30 | 0.24 | 0.46 |
| Tajikistan           | 794     | 1,158   | 5,048   | 7,000   | 0.11 | 0.17 | 0.72 |
| Tanzania             | 1,047   | 1,914   | 2,047   | 5,008   | 0.21 | 0.38 | 0.41 |
| Thailand             | 1,169   | 1,787   | 2,043   | 4,999   | 0.23 | 0.36 | 0.41 |
| Togo                 | 1,283   | 1,940   | 1,771   | 4,994   | 0.26 | 0.39 | 0.35 |
| Trinidad and Tobago  | 152     | 352     | 0       | 504     | 0.30 | 0.70 | 0.00 |
| Tunisia              | 3,230   | 705     | 1,121   | 5,056   | 0.64 | 0.14 | 0.22 |
| Turkey               | 4,752   | 1,021   | 227     | 6,000   | 0.79 | 0.17 | 0.04 |
| Turkmenistan         | 1,317   | 1,547   | 2,135   | 4,999   | 0.26 | 0.31 | 0.43 |
| Uganda               | 277     | 2,253   | 2,466   | 4,996   | 0.06 | 0.45 | 0.49 |
| Ukraine              | 1,927   | 1,373   | 1,681   | 4,981   | 0.39 | 0.28 | 0.34 |
| United Arab Emirates | 7,888   | 885     | 361     | 9,134   | 0.86 | 0.10 | 0.04 |
| United Kingdom       | 2,816   | 2,582   | 586     | 5,984   | 0.47 | 0.43 | 0.10 |
| United States        | 3,154   | 1,638   | 1,074   | 5,866   | 0.54 | 0.28 | 0.18 |
| Uruguay              | 3,093   | 1,666   | 241     | 5,000   | 0.62 | 0.33 | 0.05 |
| Uzbekistan           | 1,756   | 545     | 2,699   | 5,000   | 0.35 | 0.11 | 0.54 |
| Venezuela            | 2,698   | 2,114   | 187     | 4,999   | 0.54 | 0.42 | 0.04 |
| Vietnam              | 1,652   | 1,387   | 1,945   | 4,984   | 0.33 | 0.28 | 0.39 |
| Yemen                | 1,100   | 840     | 3,059   | 4,999   | 0.22 | 0.17 | 0.61 |
| Zambia               | 980     | 2,437   | 1,581   | 4,998   | 0.20 | 0.49 | 0.32 |
| Zimbabwe             | 1,457   | 741     | 2,800   | 4,998   | 0.29 | 0.15 | 0.56 |
| Total                | 317,735 | 255,740 | 200,943 | 774,418 | 0.41 | 0.33 | 0.26 |

*Note:* Observations are excluded when data is missing regarding (1) the settlement type, (2) all three happiness indicators, or (3) the population weights.

## Appendix B: Countries/territories by region

| Region                                   | Country /territory                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Latin America & the Caribbean (LAC)      | Argentina, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, Trinidad & Tobago, Uruguay, Venezuela                                                                                                                                                                                                     |
| Sub-Saharan Africa (SSA)                 | Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Comoros, Congo Brazzaville, Congo Kinshasa, Djibouti, Ethiopia, Gabon, Gambia, Ghana, Guinea, Ivory Coast, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe |
| Middle East and North Africa (MENA)      | Algeria, Bahrain, Egypt, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Libya, Morocco, Palestinian Territories, Qatar, Saudi Arabia, Syria, Tunisia, Turkey, United Arab Emirates, Yemen                                                                                                                                                                                                                                                           |
| South Asia (S-Asia)                      | Afghanistan, Bangladesh, Bhutan, India, Nepal, Pakistan, Sri Lanka                                                                                                                                                                                                                                                                                                                                                                                |
| Southeast Asia (SE-Asia)                 | Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand, Vietnam                                                                                                                                                                                                                                                                                                                                                           |
| East Asia (E-Asia)                       | China, Hong Kong S.A.R., Japan, Mongolia, South Korea                                                                                                                                                                                                                                                                                                                                                                                             |
| Commonwealth of Independent States (CIS) | Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan                                                                                                                                                                                                                                                                                                                     |
| Eastern Europe (E-EU)                    | Bulgaria, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Romania, Slovakia, Slovenia                                                                                                                                                                                                                                                                                                                                                |
| Northern and Western Europe (NW-EU)      | Austria, Belgium, Denmark, Finland, France, Germany, Iceland, Ireland, Luxembourg, Netherlands, Norway, Sweden, Switzerland, United Kingdom                                                                                                                                                                                                                                                                                                       |
| Southern Europe (S-EU)                   | Albania, Bosnia and Herzegovina, Croatia, Cyprus, Greece, Italy, Malta, Montenegro, North Macedonia, Portugal, Serbia, Spain                                                                                                                                                                                                                                                                                                                      |
| Northern America (NA)                    | Canada, United States                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Australia-New Zealand (ANZ)              | Australia, New Zealand                                                                                                                                                                                                                                                                                                                                                                                                                            |

Note: Europe is subdivided based on the United Nations geoscheme for Europe. Other continents are subdivided based on the standard classification in the Gallup World Poll.

## Appendix C: Urban-rural happiness differences by country

**Table C1:** Urban-rural difference in live evaluations by country.

| Country                            | Means |            |       | Differences     |                      |                      | N     |            |       |
|------------------------------------|-------|------------|-------|-----------------|----------------------|----------------------|-------|------------|-------|
|                                    | Urban | Peri-urban | Rural | Urban vs. rural | Urban vs. Peri-urban | Peri-urban vs. Rural | Urban | Peri-urban | Rural |
| <u>Northern and Western Europe</u> |       |            |       |                 |                      |                      |       |            |       |
| Austria                            | 7.08  | 7.09       | 7.23  | -0.15           | -0.01                | -0.14                | 2517  | 2296       | 1148  |
| Belgium                            | 6.86  | 6.83       | 7.17  | -0.31           | 0.03                 | -0.34                | 2146  | 2842       | 1051  |
| Denmark                            | 7.57  | 7.52       | 7.58  | -0.01           | 0.05                 | -0.06                | 3036  | 2240       | 693   |
| Finland                            | 7.69  | 7.51       | 7.54  | 0.15            | 0.18                 | -0.03                | 2498  | 2192       | 1290  |
| France                             | 6.61  | 6.46       | 6.39  | 0.22            | 0.15                 | 0.07                 | 2682  | 2562       | 731   |
| Germany                            | 7.07  | 6.88       | 7.03  | 0.04            | 0.19                 | -0.15                | 3326  | 2733       | 936   |
| Iceland                            | 7.41  | 7.53       | 7.79  | -0.38           | -0.12                | -0.25                | 821   | 644        | 156   |
| Ireland                            | 7.02  | 7.00       | 6.93  | 0.09            | 0.02                 | 0.07                 | 2374  | 2221       | 1378  |
| Luxembourg                         | 7.01  | 6.93       | 6.96  | 0.05            | 0.08                 | -0.03                | 1986  | 3395       | 609   |
| Netherlands                        | 7.34  | 7.40       | 7.69  | -0.35           | -0.06                | -0.29                | 2032  | 3412       | 549   |
| Norway                             | 7.52  | 7.53       | 7.54  | -0.02           | -0.01                | -0.01                | 2365  | 2529       | 2086  |
| Sweden                             | 7.31  | 7.24       | 7.42  | -0.11           | 0.07                 | -0.18                | 2530  | 2379       | 1059  |
| Switzerland                        | 7.45  | 7.52       | 7.48  | -0.03           | -0.07                | 0.04                 | 1674  | 2942       | 883   |
| United Kingdom                     | 6.80  | 6.87       | 7.14  | -0.34           | -0.07                | -0.27                | 2816  | 2582       | 586   |
| <u>Southern Europe</u>             |       |            |       |                 |                      |                      |       |            |       |
| Albania                            | 5.02  | 4.51       | 4.48  | 0.54            | 0.51                 | 0.03                 | 2253  | 2238       | 506   |
| Bosnia and Herzegovina             | 5.51  | 5.35       | 5.14  | 0.37            | 0.16                 | 0.21                 | 1278  | 1751       | 1945  |
| Croatia                            | 5.68  | 5.27       | 4.96  | 0.72            | 0.41                 | 0.31                 | 1652  | 3022       | 318   |
| Cyprus                             | 5.94  | 5.66       | 5.58  | 0.36            | 0.28                 | 0.08                 | 3440  | 2330       | 263   |
| Greece                             | 5.34  | 5.23       | 4.86  | 0.48            | 0.11                 | 0.37                 | 3220  | 1170       | 610   |
| Italy                              | 6.08  | 6.14       | 5.70  | 0.38            | -0.06                | 0.44                 | 2306  | 3426       | 253   |
| Malta                              | 6.61  | 6.59       | 6.93  | -0.32           | 0.02                 | -0.34                | 2080  | 3539       | 322   |
| Montenegro                         | 5.74  | 5.09       | 5.09  | 0.65            | 0.65                 | 0.00                 | 2388  | 1575       | 1021  |
| North Macedonia                    | 5.18  | 5.28       | 5.06  | 0.12            | -0.10                | 0.22                 | 2502  | 1862       | 699   |
| Portugal                           | 5.72  | 5.30       | 5.18  | 0.54            | 0.42                 | 0.12                 | 2038  | 3014       | 978   |
| Serbia                             | 5.87  | 5.45       | 4.97  | 0.90            | 0.42                 | 0.48                 | 1920  | 1623       | 1424  |
| Spain                              | 6.53  | 6.29       | 6.05  | 0.48            | 0.24                 | 0.24                 | 3137  | 2547       | 302   |
| <u>Eastern Europe</u>              |       |            |       |                 |                      |                      |       |            |       |
| Bulgaria                           | 5.28  | 4.52       | 4.17  | 1.11            | 0.76                 | 0.35                 | 2481  | 2318       | 200   |
| Czech Republic                     | 6.65  | 6.78       | 6.73  | -0.08           | -0.13                | 0.05                 | 1872  | 2859       | 233   |
| Estonia                            | 5.74  | 5.87       | 5.74  | 0.00            | -0.13                | 0.13                 | 2397  | 1310       | 1293  |
| Hungary                            | 5.74  | 5.50       |       |                 | 0.24                 |                      | 1990  | 2946       |       |
| Latvia                             | 6.06  | 5.73       | 5.64  | 0.42            | 0.33                 | 0.09                 | 2654  | 1517       | 870   |
| Lithuania                          | 6.27  | 6.05       | 5.70  | 0.57            | 0.22                 | 0.35                 | 2281  | 1598       | 1102  |
| Poland                             | 6.22  | 5.96       | 5.96  | 0.26            | 0.26                 | 0.00                 | 1785  | 2290       | 920   |
| Romania                            | 6.12  | 5.74       | 5.91  | 0.21            | 0.38                 | -0.17                | 1844  | 1273       | 1881  |

|                                           |      |      |      |       |       |       |      |      |       |
|-------------------------------------------|------|------|------|-------|-------|-------|------|------|-------|
| Slovakia                                  | 6.37 | 6.11 | 6.11 | 0.26  | 0.26  | 0.00  | 1337 | 2819 | 842   |
| Slovenia                                  | 6.00 | 5.85 | 6.04 | -0.04 | 0.15  | -0.19 | 1809 | 3624 | 551   |
| <u>Commonwealth of Independent States</u> |      |      |      |       |       |       |      |      |       |
| Armenia                                   | 4.61 | 4.46 | 4.39 | 0.22  | 0.15  | 0.07  | 1962 | 1334 | 1703  |
| Azerbaijan                                | 5.54 | 5.16 | 4.95 | 0.59  | 0.38  | 0.21  | 1894 | 849  | 2254  |
| Belarus                                   | 5.55 | 5.35 | 5.52 | 0.03  | 0.20  | -0.17 | 2774 | 1226 | 1218  |
| Georgia                                   | 4.59 | 4.40 | 4.23 | 0.36  | 0.19  | 0.17  | 1909 | 950  | 2141  |
| Kazakhstan                                | 5.98 | 6.05 | 5.72 | 0.26  | -0.07 | 0.33  | 1961 | 829  | 2207  |
| Kyrgyzstan                                | 5.31 | 5.12 | 5.16 | 0.15  | 0.19  | -0.04 | 1046 | 609  | 3345  |
| Moldova                                   | 5.72 | 5.63 | 5.72 | 0.00  | 0.09  | -0.09 | 1075 | 893  | 3031  |
| Russia                                    | 5.87 | 5.90 | 5.56 | 0.31  | -0.03 | 0.34  | 5271 | 2814 | 1901  |
| Tajikistan                                | 5.62 | 5.41 | 5.29 | 0.33  | 0.21  | 0.12  | 794  | 1158 | 5048  |
| Turkmenistan                              | 5.68 | 5.45 | 5.35 | 0.33  | 0.23  | 0.10  | 1317 | 1547 | 2135  |
| Ukraine                                   | 4.51 | 4.22 | 3.99 | 0.52  | 0.29  | 0.23  | 1927 | 1373 | 1681  |
| Uzbekistan                                | 6.03 | 6.40 | 6.10 | -0.07 | -0.37 | 0.30  | 1756 | 545  | 2699  |
| <u>Australia-New Zealand</u>              |      |      |      |       |       |       |      |      |       |
| Australia                                 | 7.23 | 7.34 | 7.36 | -0.13 | -0.11 | -0.02 | 4568 | 799  | 615   |
| New Zealand                               | 7.25 | 7.35 | 7.59 | -0.34 | -0.10 | -0.24 | 3741 | 1309 | 916   |
| <u>Southeast Asia</u>                     |      |      |      |       |       |       |      |      |       |
| Cambodia                                  | 4.34 | 4.43 | 4.65 | -0.31 | -0.09 | -0.22 | 950  | 3505 | 1143  |
| Indonesia                                 | 5.59 | 5.17 | 5.06 | 0.53  | 0.42  | 0.11  | 1420 | 1218 | 2359  |
| Laos                                      | 4.86 | 4.81 | 4.72 | 0.14  | 0.05  | 0.09  | 893  | 1550 | 1047  |
| Malaysia                                  | 6.06 | 5.56 | 5.75 | 0.31  | 0.50  | -0.19 | 2138 | 1415 | 420   |
| Myanmar                                   | 4.50 | 4.40 | 4.28 | 0.22  | 0.10  | 0.12  | 1750 | 3135 | 775   |
| Philippines                               | 5.82 | 5.74 | 5.25 | 0.57  | 0.08  | 0.49  | 2113 | 918  | 1955  |
| Thailand                                  | 6.29 | 6.56 | 5.97 | 0.32  | -0.27 | 0.59  | 1169 | 1787 | 2043  |
| Vietnam                                   | 5.21 | 5.28 | 5.00 | 0.21  | -0.07 | 0.28  | 1652 | 1387 | 1945  |
| <u>South Asia</u>                         |      |      |      |       |       |       |      |      |       |
| Afghanistan                               | 3.44 | 3.50 | 3.30 | 0.14  | -0.06 | 0.20  | 801  | 701  | 3496  |
| Bangladesh                                | 5.08 | 4.75 | 4.39 | 0.69  | 0.33  | 0.36  | 718  | 1271 | 3010  |
| Bhutan                                    | 5.12 | 5.25 | 4.91 | 0.21  | -0.13 | 0.34  | 370  | 330  | 1340  |
| India                                     | 4.48 | 4.26 | 4.01 | 0.47  | 0.22  | 0.25  | 2460 | 4578 | 7960  |
| Nepal                                     | 5.41 | 5.08 | 4.73 | 0.68  | 0.33  | 0.35  | 856  | 806  | 3385  |
| Pakistan                                  | 5.68 | 5.37 | 5.30 | 0.38  | 0.31  | 0.07  | 2194 | 2421 | 976   |
| Sri Lanka                                 | 4.65 | 4.51 | 4.15 | 0.50  | 0.14  | 0.36  | 819  | 2126 | 1391  |
| <u>East Asia</u>                          |      |      |      |       |       |       |      |      |       |
| China                                     | 5.58 | 5.39 | 5.00 | 0.58  | 0.19  | 0.39  | 6250 | 3593 | 11156 |
| Hong Kong                                 | 5.48 | 5.38 |      |       | 0.10  |       | 3727 | 185  |       |
| Japan                                     | 6.04 | 5.87 | 5.57 | 0.47  | 0.17  | 0.30  | 2524 | 2777 | 678   |
| Mongolia                                  | 5.21 | 5.12 | 5.03 | 0.18  | 0.09  | 0.09  | 2416 | 1072 | 1512  |
| South Korea                               | 5.90 | 5.51 | 5.56 | 0.34  | 0.39  | -0.05 | 5074 | 401  | 512   |
| <u>Middle East and North Africa</u>       |      |      |      |       |       |       |      |      |       |
| Algeria                                   | 5.58 | 5.46 | 4.93 | 0.65  | 0.12  | 0.53  | 3196 | 434  | 386   |
| Bahrain                                   | 6.27 | 5.86 | 6.20 | 0.07  | 0.41  | -0.34 | 2813 | 1958 | 273   |
| Egypt                                     | 4.31 | 4.48 | 4.65 | -0.34 | -0.17 | -0.17 | 2282 | 2147 | 570   |

|                           |      |      |      |       |       |       |      |      |      |
|---------------------------|------|------|------|-------|-------|-------|------|------|------|
| Iran                      | 4.79 | 4.51 | 4.20 | 0.59  | 0.28  | 0.31  | 3712 | 1619 | 670  |
| Iraq                      | 4.72 | 4.15 | 4.59 | 0.13  | 0.57  | -0.44 | 3947 | 1021 | 1024 |
| Israel                    | 7.21 | 6.97 | 7.40 | -0.19 | 0.24  | -0.43 | 3511 | 1006 | 493  |
| Jordan                    | 5.15 | 5.09 | 4.77 | 0.38  | 0.06  | 0.32  | 3621 | 790  | 593  |
| Kuwait                    | 6.16 | 5.55 | 5.21 | 0.95  | 0.61  | 0.34  | 4461 | 275  | 68   |
| Lebanon                   | 5.08 | 5.31 | 5.49 | -0.41 | -0.23 | -0.18 | 2607 | 2109 | 284  |
| Libya                     | 5.66 | 5.45 | 5.37 | 0.29  | 0.21  | 0.08  | 2240 | 556  | 709  |
| Morocco                   | 5.26 | 5.31 | 5.05 | 0.21  | -0.05 | 0.26  | 2133 | 1033 | 1891 |
| Qatar                     | 6.36 | 6.27 |      |       | 0.09  |       | 779  | 148  |      |
| Saudi Arabia              | 6.35 | 6.40 | 6.24 | 0.11  | -0.05 | 0.15  | 5167 | 611  | 208  |
| Syria                     | 3.41 | 3.28 | 3.59 | -0.18 | 0.13  | -0.31 | 303  | 243  | 456  |
| Tunisia                   | 4.93 | 4.65 | 3.94 | 0.99  | 0.28  | 0.71  | 3230 | 705  | 1121 |
| Turkey                    | 5.52 | 5.30 | 5.33 | 0.20  | 0.23  | -0.03 | 4752 | 1021 | 227  |
| United Arab Emirates      | 6.76 | 6.60 | 6.27 | 0.49  | 0.16  | 0.33  | 7888 | 885  | 361  |
| Yemen                     | 3.56 | 3.55 | 3.34 | 0.22  | 0.01  | 0.21  | 1100 | 840  | 3059 |
| <u>Sub-Saharan Africa</u> |      |      |      |       |       |       |      |      |      |
| Angola                    | 4.94 | 4.35 | 3.33 | 1.61  | 1.02  | 0.59  | 197  | 133  | 608  |
| Benin                     | 5.12 | 4.36 | 3.83 | 1.29  | 0.76  | 0.53  | 1081 | 2179 | 1735 |
| Botswana                  | 4.20 | 3.94 | 3.30 | 0.90  | 0.26  | 0.64  | 863  | 1641 | 2498 |
| Burkina Faso              | 4.73 | 4.26 | 4.20 | 0.53  | 0.47  | 0.06  | 1040 | 2398 | 1560 |
| Burundi                   | 3.52 | 2.99 | 3.35 | 0.17  | 0.53  | -0.36 | 252  | 244  | 1501 |
| Cameroon                  | 5.07 | 4.88 | 4.76 | 0.31  | 0.19  | 0.12  | 1404 | 1270 | 1323 |
| Central African Republic  | 3.98 | 2.52 | 2.83 | 1.15  | 1.46  | -0.31 | 702  | 847  | 451  |
| Chad                      | 4.71 | 3.96 | 4.42 | 0.29  | 0.75  | -0.46 | 829  | 3270 | 891  |
| Comoros                   | 4.04 | 4.02 | 3.28 | 0.76  | 0.02  | 0.74  | 420  | 510  | 70   |
| Congo Brazzaville         | 5.15 | 3.89 | 3.78 | 1.37  | 1.26  | 0.11  | 2943 | 1661 | 380  |
| Congo Kinshasa            | 4.62 | 4.27 | 3.81 | 0.81  | 0.35  | 0.46  | 1408 | 1760 | 832  |
| Ethiopia                  | 4.62 | 4.48 | 4.29 | 0.33  | 0.14  | 0.19  | 829  | 1637 | 2538 |
| Gabon                     | 4.82 | 4.35 | 4.04 | 0.78  | 0.47  | 0.31  | 3210 | 1204 | 593  |
| Gambia                    | 5.14 | 4.45 | 4.10 | 1.04  | 0.69  | 0.35  | 457  | 1074 | 469  |
| Ghana                     | 5.11 | 4.22 | 4.36 | 0.75  | 0.89  | -0.14 | 1772 | 1974 | 1241 |
| Guinea                    | 4.49 | 3.76 | 4.17 | 0.32  | 0.73  | -0.41 | 1518 | 2141 | 1337 |
| Ivory Coast               | 4.95 | 4.42 | 4.43 | 0.52  | 0.53  | -0.01 | 1369 | 2842 | 786  |
| Kenya                     | 4.95 | 4.57 | 4.48 | 0.47  | 0.38  | 0.09  | 608  | 1258 | 3134 |
| Lesotho                   |      | 4.32 | 3.61 |       |       | 0.71  |      | 539  | 1416 |
| Liberia                   | 4.28 | 3.31 | 4.57 | -0.29 | 0.97  | -1.26 | 1931 | 2431 | 633  |
| Madagascar                | 4.19 | 3.56 | 3.76 | 0.43  | 0.63  | -0.20 | 1186 | 794  | 3025 |
| Malawi                    | 4.28 | 3.73 | 3.60 | 0.68  | 0.55  | 0.13  | 769  | 1436 | 2794 |
| Mali                      | 4.66 | 4.22 | 4.34 | 0.32  | 0.44  | -0.12 | 1206 | 2814 | 980  |
| Mauritania                | 4.62 | 4.39 | 4.01 | 0.61  | 0.23  | 0.38  | 1759 | 1894 | 1342 |
| Mauritius                 | 5.87 | 5.81 | 5.64 | 0.23  | 0.06  | 0.17  | 1401 | 2137 | 337  |
| Mozambique                | 4.97 | 4.63 | 4.34 | 0.63  | 0.34  | 0.29  | 424  | 774  | 1800 |
| Namibia                   | 5.17 | 4.57 | 4.06 | 1.11  | 0.60  | 0.51  | 873  | 1450 | 682  |
| Niger                     | 5.15 | 4.36 | 4.13 | 1.02  | 0.79  | 0.23  | 529  | 2323 | 2149 |
| Nigeria                   | 5.30 | 5.24 | 4.97 | 0.33  | 0.06  | 0.27  | 1444 | 2385 | 1165 |
| Rwanda                    | 4.18 | 3.60 | 3.25 | 0.93  | 0.58  | 0.35  | 522  | 1174 | 3304 |

|                                          |      |      |      |       |       |       |      |      |      |
|------------------------------------------|------|------|------|-------|-------|-------|------|------|------|
| Senegal                                  | 4.96 | 4.38 | 4.52 | 0.44  | 0.58  | -0.14 | 1725 | 2236 | 1037 |
| Sierra Leone                             | 4.90 | 4.33 | 4.40 | 0.50  | 0.57  | -0.07 | 1385 | 2385 | 1231 |
| Somalia                                  | 5.29 | 5.12 | 4.56 | 0.72  | 0.16  | 0.56  | 1609 | 1321 | 257  |
| South Africa                             | 5.35 | 4.73 | 4.27 | 1.08  | 0.62  | 0.46  | 1512 | 2033 | 1454 |
| South Sudan                              | 4.00 | 3.48 | 3.27 | 0.73  | 0.52  | 0.21  | 450  | 1163 | 2377 |
| Sudan                                    | 4.05 | 4.19 | 3.99 | 0.06  | -0.14 | 0.20  | 482  | 196  | 281  |
| Swaziland                                | 4.66 | 4.53 | 4.07 | 0.59  | 0.14  | 0.45  | 119  | 171  | 710  |
| Tanzania                                 | 3.68 | 3.37 | 3.24 | 0.44  | 0.31  | 0.13  | 1047 | 1914 | 2047 |
| Togo                                     | 4.33 | 3.87 | 3.32 | 1.01  | 0.46  | 0.55  | 1283 | 1940 | 1771 |
| Uganda                                   | 4.13 | 4.24 | 4.01 | 0.12  | -0.11 | 0.23  | 277  | 2253 | 2466 |
| Zambia                                   | 4.94 | 4.31 | 3.93 | 1.01  | 0.63  | 0.38  | 980  | 2437 | 1581 |
| Zimbabwe                                 | 4.41 | 3.93 | 3.45 | 0.96  | 0.48  | 0.48  | 1457 | 741  | 2800 |
| <u>Northern America</u>                  |      |      |      |       |       |       |      |      |      |
| Canada                                   | 7.28 | 7.25 | 7.53 | -0.25 | 0.03  | -0.28 | 3836 | 1391 | 709  |
| United States                            | 7.03 | 6.87 | 7.00 | 0.03  | 0.16  | -0.13 | 3154 | 1638 | 1074 |
| <u>Latin America &amp; the Caribbean</u> |      |      |      |       |       |       |      |      |      |
| Argentina                                | 6.27 | 6.40 | 6.33 | -0.06 | -0.13 | 0.07  | 3052 | 1779 | 128  |
| Belize                                   | 5.77 | 6.17 | 5.87 | -0.10 | -0.40 | 0.31  | 112  | 184  | 208  |
| Bolivia                                  | 6.00 | 5.56 | 5.63 | 0.37  | 0.44  | -0.07 | 2531 | 1940 | 528  |
| Brazil                                   | 6.39 | 6.64 | 6.40 | -0.01 | -0.25 | 0.24  | 2343 | 1981 | 687  |
| Chile                                    | 6.58 | 6.59 | 6.25 | 0.33  | -0.01 | 0.34  | 3652 | 827  | 638  |
| Colombia                                 | 6.61 | 5.99 | 5.32 | 1.29  | 0.62  | 0.67  | 2441 | 1947 | 603  |
| Costa Rica                               | 7.25 | 7.10 | 6.85 | 0.40  | 0.15  | 0.25  | 2092 | 2003 | 809  |
| Dominican Republic                       | 5.49 | 5.30 | 5.09 | 0.40  | 0.19  | 0.21  | 2381 | 1364 | 1137 |
| Ecuador                                  | 6.31 | 5.88 | 5.56 | 0.75  | 0.43  | 0.32  | 2037 | 1871 | 1090 |
| El Salvador                              | 6.36 | 5.88 | 5.97 | 0.39  | 0.48  | -0.09 | 2232 | 1066 | 1702 |
| Guatemala                                | 6.60 | 6.52 | 6.32 | 0.28  | 0.08  | 0.20  | 1670 | 1102 | 2220 |
| Haiti                                    | 3.75 | 3.86 | 3.38 | 0.37  | -0.11 | 0.48  | 752  | 849  | 915  |
| Honduras                                 | 5.93 | 5.41 | 5.22 | 0.71  | 0.52  | 0.19  | 1767 | 892  | 2189 |
| Jamaica                                  | 5.83 | 5.42 | 5.48 | 0.35  | 0.41  | -0.06 | 408  | 328  | 272  |
| Mexico                                   | 6.75 | 6.51 | 6.08 | 0.67  | 0.24  | 0.43  | 2554 | 1593 | 928  |
| Nicaragua                                | 6.22 | 6.23 | 5.77 | 0.45  | -0.01 | 0.46  | 1933 | 1712 | 1330 |
| Panama                                   | 6.63 | 6.30 | 6.00 | 0.63  | 0.33  | 0.30  | 2584 | 1712 | 632  |
| Paraguay                                 | 6.02 | 5.70 | 5.10 | 0.92  | 0.32  | 0.60  | 1676 | 1142 | 2143 |
| Peru                                     | 6.03 | 5.49 | 4.90 | 1.13  | 0.54  | 0.59  | 2894 | 1490 | 608  |
| Puerto Rico                              | 7.50 | 6.32 | 7.05 | 0.45  | 1.18  | -0.72 | 172  | 85   | 238  |
| Trinidad and Tobago                      | 6.05 | 6.26 |      |       | -0.21 |       | 152  | 352  |      |
| Uruguay                                  | 6.41 | 6.41 | 6.47 | -0.06 | 0.00  | -0.06 | 3093 | 1666 | 241  |
| Venezuela                                | 5.31 | 4.96 | 5.28 | 0.03  | 0.35  | -0.32 | 2698 | 2114 | 187  |

*Note:* Differences presented in shades of green and red represent statistically significant positive and negative differences at the 95% confidence level, respectively. Differences without a green or red shading are not significantly different from zero at the 95% confidence level. Statistical significance is determined based on an OLS regression model where life evaluation is regressed on a rural-urban dummy at the individual level (sampling weights used). Country-domicile combinations with fewer than 50 respondents are not reported.

**Table C2:** Urban-rural difference in positive affect by country.

|                                    | Means |            |       | Differences     |                      |                      | N     |            |       |
|------------------------------------|-------|------------|-------|-----------------|----------------------|----------------------|-------|------------|-------|
| Country                            | Urban | Peri-urban | Rural | Urban vs. rural | Urban vs. peri-urban | Peri-urban vs. Rural | Urban | Peri-urban | Rural |
| <u>Northern and Western Europe</u> |       |            |       |                 |                      |                      |       |            |       |
| Austria                            | 0.76  | 0.76       | 0.79  | -0.03           | 0.00                 | -0.03                | 2517  | 2296       | 1148  |
| Belgium                            | 0.77  | 0.76       | 0.84  | -0.07           | 0.01                 | -0.08                | 2146  | 2842       | 1051  |
| Denmark                            | 0.83  | 0.83       | 0.82  | 0.01            | 0.00                 | 0.01                 | 3036  | 2240       | 693   |
| Finland                            | 0.79  | 0.78       | 0.78  | 0.01            | 0.01                 | 0.00                 | 2498  | 2192       | 1290  |
| France                             | 0.78  | 0.78       | 0.77  | 0.01            | 0.00                 | 0.01                 | 2682  | 2562       | 731   |
| Germany                            | 0.76  | 0.74       | 0.80  | -0.04           | 0.02                 | -0.06                | 3326  | 2733       | 936   |
| Iceland                            | 0.86  | 0.88       | 0.86  | 0.01            | -0.02                | 0.02                 | 821   | 644        | 156   |
| Ireland                            | 0.80  | 0.82       | 0.81  | -0.01           | -0.02                | 0.01                 | 2374  | 2221       | 1378  |
| Luxembourg                         | 0.77  | 0.77       | 0.73  | 0.04            | 0.00                 | 0.04                 | 1986  | 3395       | 609   |
| Netherlands                        | 0.85  | 0.85       | 0.89  | -0.04           | 0.00                 | -0.04                | 2032  | 3412       | 549   |
| Norway                             | 0.84  | 0.85       | 0.83  | 0.01            | -0.01                | 0.02                 | 2365  | 2529       | 2086  |
| Sweden                             | 0.81  | 0.83       | 0.83  | -0.02           | -0.02                | 0.00                 | 2530  | 2379       | 1059  |
| Switzerland                        | 0.78  | 0.80       | 0.80  | -0.02           | -0.02                | 0.00                 | 1674  | 2942       | 883   |
| United Kingdom                     | 0.79  | 0.77       | 0.79  | 0.00            | 0.02                 | -0.02                | 2816  | 2582       | 586   |
| <u>Southern Europe</u>             |       |            |       |                 |                      |                      |       |            |       |
| Albania                            | 0.70  | 0.68       | 0.69  | 0.01            | 0.02                 | -0.01                | 2253  | 2238       | 506   |
| Bosnia and Herzegovina             | 0.65  | 0.58       | 0.56  | 0.09            | 0.07                 | 0.02                 | 1278  | 1751       | 1945  |
| Croatia                            | 0.65  | 0.60       | 0.53  | 0.12            | 0.05                 | 0.07                 | 1652  | 3022       | 318   |
| Cyprus                             | 0.76  | 0.74       | 0.77  | -0.01           | 0.03                 | -0.03                | 3440  | 2330       | 263   |
| Greece                             | 0.67  | 0.69       | 0.71  | -0.04           | -0.02                | -0.02                | 3220  | 1170       | 610   |
| Italy                              | 0.66  | 0.70       | 0.59  | 0.07            | -0.04                | 0.11                 | 2306  | 3426       | 253   |
| Malta                              | 0.71  | 0.68       | 0.76  | -0.05           | 0.03                 | -0.08                | 2080  | 3539       | 322   |
| Montenegro                         | 0.61  | 0.56       | 0.50  | 0.11            | 0.05                 | 0.06                 | 2388  | 1575       | 1021  |
| North Macedonia                    | 0.59  | 0.62       | 0.54  | 0.05            | -0.03                | 0.08                 | 2502  | 1862       | 699   |
| Portugal                           | 0.72  | 0.66       | 0.65  | 0.07            | 0.06                 | 0.01                 | 2038  | 3014       | 978   |
| Serbia                             | 0.59  | 0.51       | 0.45  | 0.14            | 0.08                 | 0.06                 | 1920  | 1623       | 1424  |
| Spain                              | 0.69  | 0.68       | 0.57  | 0.12            | 0.01                 | 0.11                 | 3137  | 2547       | 302   |
| <u>Eastern Europe</u>              |       |            |       |                 |                      |                      |       |            |       |
| Bulgaria                           | 0.65  | 0.63       | 0.47  | 0.18            | 0.02                 | 0.16                 | 2481  | 2318       | 200   |
| Czech Republic                     | 0.71  | 0.73       | 0.73  | -0.02           | -0.02                | 0.00                 | 1872  | 2859       | 233   |
| Estonia                            | 0.71  | 0.76       | 0.80  | -0.09           | -0.05                | -0.04                | 2397  | 1310       | 1293  |
| Hungary                            | 0.69  | 0.69       |       |                 | 0.00                 |                      | 1990  | 2946       |       |
| Latvia                             | 0.67  | 0.60       | 0.54  | 0.13            | 0.07                 | 0.06                 | 2654  | 1517       | 870   |
| Lithuania                          | 0.60  | 0.57       | 0.58  | 0.02            | 0.03                 | -0.01                | 2281  | 1598       | 1102  |
| Poland                             | 0.75  | 0.73       | 0.76  | -0.01           | 0.02                 | -0.03                | 1785  | 2290       | 920   |
| Romania                            | 0.72  | 0.69       | 0.71  | 0.01            | 0.03                 | -0.02                | 1844  | 1273       | 1881  |
| Slovakia                           | 0.78  | 0.73       | 0.74  | 0.04            | 0.05                 | -0.01                | 1337  | 2819       | 842   |
| Slovenia                           | 0.63  | 0.64       | 0.62  | 0.01            | -0.01                | 0.02                 | 1809  | 3624       | 551   |

Commonwealth of Independent States

|              |      |      |      |       |       |       |      |      |      |
|--------------|------|------|------|-------|-------|-------|------|------|------|
| Armenia      | 0.62 | 0.56 | 0.60 | 0.02  | 0.06  | -0.04 | 1962 | 1334 | 1703 |
| Azerbaijan   | 0.63 | 0.55 | 0.58 | 0.05  | 0.08  | -0.03 | 1894 | 849  | 2254 |
| Belarus      | 0.57 | 0.55 | 0.50 | 0.07  | 0.02  | 0.05  | 2774 | 1226 | 1218 |
| Georgia      | 0.62 | 0.55 | 0.53 | 0.09  | 0.07  | 0.02  | 1909 | 950  | 2141 |
| Kazakhstan   | 0.74 | 0.73 | 0.71 | 0.03  | 0.01  | 0.02  | 1961 | 829  | 2207 |
| Kyrgyzstan   | 0.76 | 0.72 | 0.76 | 0.00  | 0.04  | -0.04 | 1046 | 609  | 3345 |
| Moldova      | 0.55 | 0.56 | 0.61 | -0.06 | -0.01 | -0.05 | 1075 | 893  | 3031 |
| Russia       | 0.69 | 0.68 | 0.66 | 0.03  | 0.01  | 0.02  | 5271 | 2814 | 1901 |
| Tajikistan   | 0.56 | 0.70 | 0.68 | -0.12 | -0.14 | 0.02  | 794  | 1158 | 5048 |
| Turkmenistan | 0.66 | 0.62 | 0.62 | 0.04  | 0.04  | 0.00  | 1317 | 1547 | 2135 |
| Ukraine      | 0.61 | 0.61 | 0.56 | 0.05  | 0.00  | 0.05  | 1927 | 1373 | 1681 |
| Uzbekistan   | 0.80 | 0.84 | 0.85 | -0.05 | -0.04 | -0.01 | 1756 | 545  | 2699 |

Australia-New Zealand

|             |      |      |      |      |       |       |      |      |     |
|-------------|------|------|------|------|-------|-------|------|------|-----|
| Australia   | 0.78 | 0.79 | 0.76 | 0.02 | -0.01 | 0.03  | 4568 | 799  | 615 |
| New Zealand | 0.84 | 0.83 | 0.84 | 0.00 | 0.01  | -0.01 | 3741 | 1309 | 916 |

Southeast Asia

|             |      |      |      |       |       |       |      |      |      |
|-------------|------|------|------|-------|-------|-------|------|------|------|
| Cambodia    | 0.83 | 0.81 | 0.80 | 0.03  | 0.02  | 0.01  | 950  | 3505 | 1143 |
| Indonesia   | 0.88 | 0.86 | 0.84 | 0.04  | 0.02  | 0.02  | 1420 | 1218 | 2359 |
| Laos        | 0.89 | 0.85 | 0.84 | 0.05  | 0.04  | 0.01  | 893  | 1550 | 1047 |
| Malaysia    | 0.80 | 0.78 | 0.76 | 0.04  | 0.02  | 0.02  | 2138 | 1415 | 420  |
| Myanmar     | 0.81 | 0.80 | 0.78 | 0.03  | 0.01  | 0.02  | 1750 | 3135 | 775  |
| Philippines | 0.82 | 0.81 | 0.77 | 0.05  | 0.01  | 0.04  | 2113 | 918  | 1955 |
| Thailand    | 0.82 | 0.84 | 0.85 | -0.03 | -0.02 | -0.01 | 1169 | 1787 | 2043 |
| Vietnam     | 0.69 | 0.61 | 0.63 | 0.06  | 0.08  | -0.02 | 1652 | 1387 | 1945 |

South Asia

|             |      |      |      |      |      |      |      |      |      |
|-------------|------|------|------|------|------|------|------|------|------|
| Afghanistan | 0.60 | 0.57 | 0.48 | 0.12 | 0.03 | 0.09 | 801  | 701  | 3496 |
| Bangladesh  | 0.65 | 0.60 | 0.56 | 0.09 | 0.05 | 0.04 | 718  | 1271 | 3010 |
| Bhutan      | 0.87 | 0.87 | 0.82 | 0.05 | 0.00 | 0.05 | 370  | 330  | 1340 |
| Hong Kong   | 0.67 | 0.66 |      |      | 0.00 |      | 3727 | 185  |      |
| India       | 0.75 | 0.71 | 0.66 | 0.09 | 0.04 | 0.05 | 2460 | 4578 | 7960 |
| Nepal       | 0.64 | 0.58 | 0.56 | 0.08 | 0.06 | 0.02 | 856  | 806  | 3385 |
| Pakistan    | 0.62 | 0.59 | 0.56 | 0.06 | 0.03 | 0.03 | 2194 | 2421 | 976  |
| Sri Lanka   | 0.83 | 0.83 | 0.83 | 0.00 | 0.00 | 0.00 | 819  | 2126 | 1391 |

East Asia

|             |      |      |      |      |      |      |      |      |       |
|-------------|------|------|------|------|------|------|------|------|-------|
| China       | 0.86 | 0.83 | 0.82 | 0.04 | 0.03 | 0.01 | 6250 | 3593 | 11156 |
| Japan       | 0.74 | 0.74 | 0.73 | 0.01 | 0.00 | 0.01 | 2524 | 2777 | 678   |
| Mongolia    | 0.67 | 0.66 | 0.65 | 0.02 | 0.01 | 0.01 | 2416 | 1072 | 1512  |
| South Korea | 0.67 | 0.62 | 0.55 | 0.12 | 0.05 | 0.07 | 5074 | 401  | 512   |

Middle East and North

Africa

|         |      |      |      |       |       |       |      |      |      |
|---------|------|------|------|-------|-------|-------|------|------|------|
| Algeria | 0.64 | 0.61 | 0.58 | 0.06  | 0.03  | 0.03  | 3196 | 434  | 386  |
| Bahrain | 0.78 | 0.72 | 0.76 | 0.02  | 0.05  | -0.04 | 2813 | 1958 | 273  |
| Egypt   | 0.55 | 0.56 | 0.59 | -0.04 | -0.01 | -0.03 | 2282 | 2147 | 570  |
| Iran    | 0.66 | 0.61 | 0.60 | 0.06  | 0.05  | 0.01  | 3712 | 1619 | 670  |
| Iraq    | 0.56 | 0.48 | 0.55 | 0.01  | 0.08  | -0.07 | 3947 | 1021 | 1024 |

|                           |      |      |      |       |       |       |      |      |      |
|---------------------------|------|------|------|-------|-------|-------|------|------|------|
| Israel                    | 0.65 | 0.62 | 0.72 | -0.07 | 0.03  | -0.10 | 3511 | 1006 | 493  |
| Jordan                    | 0.66 | 0.64 | 0.65 | 0.01  | 0.02  | -0.01 | 3621 | 790  | 593  |
| Lebanon                   | 0.56 | 0.49 | 0.59 | -0.03 | 0.08  | -0.10 | 2607 | 2109 | 284  |
| Kuwait                    | 0.72 | 0.62 | 0.64 | 0.07  | 0.09  | -0.02 | 4461 | 275  | 68   |
| Libya                     | 0.72 | 0.67 | 0.70 | 0.02  | 0.05  | -0.03 | 2240 | 556  | 709  |
| Morocco                   | 0.65 | 0.67 | 0.63 | 0.02  | -0.02 | 0.04  | 2133 | 1033 | 1891 |
| Saudi Arabia              | 0.76 | 0.75 | 0.69 | 0.07  | 0.00  | 0.06  | 5167 | 611  | 208  |
| Syria                     | 0.35 | 0.38 | 0.38 | -0.03 | -0.03 | 0.00  | 303  | 243  | 456  |
| Tunisia                   | 0.58 | 0.55 | 0.42 | 0.16  | 0.03  | 0.13  | 3230 | 705  | 1121 |
| Turkey                    | 0.46 | 0.44 | 0.53 | -0.07 | 0.02  | -0.10 | 4752 | 1021 | 227  |
| United Arab Emirates      | 0.78 | 0.78 | 0.73 | 0.05  | 0.00  | 0.05  | 7888 | 885  | 361  |
| Yemen                     | 0.51 | 0.50 | 0.50 | 0.01  | 0.01  | 0.00  | 1100 | 840  | 3059 |
| <u>Sub-Saharan Africa</u> |      |      |      |       |       |       |      |      |      |
| Benin                     | 0.69 | 0.59 | 0.59 | 0.10  | 0.10  | 0.00  | 1081 | 2179 | 1735 |
| Botswana                  | 0.74 | 0.70 | 0.68 | 0.06  | 0.04  | 0.02  | 863  | 1641 | 2498 |
| Burkina Faso              | 0.61 | 0.63 | 0.62 | -0.01 | -0.02 | 0.01  | 1040 | 2398 | 1560 |
| Burundi                   | 0.59 | 0.65 | 0.67 | -0.09 | -0.06 | -0.03 | 252  | 244  | 1501 |
| Cameroon                  | 0.64 | 0.64 | 0.64 | 0.00  | 0.00  | 0.00  | 1404 | 1270 | 1323 |
| Central African Republic  | 0.59 | 0.60 | 0.59 | 0.00  | -0.01 | 0.01  | 702  | 847  | 451  |
| Chad                      | 0.58 | 0.58 | 0.58 | 0.00  | 0.00  | 0.00  | 829  | 3270 | 891  |
| Comoros                   | 0.74 | 0.75 | 0.82 | -0.08 | -0.01 | -0.07 | 420  | 510  | 70   |
| Congo Brazzaville         | 0.61 | 0.57 | 0.63 | -0.02 | 0.04  | -0.06 | 2943 | 1661 | 380  |
| Congo Kinshasa            | 0.64 | 0.58 | 0.52 | 0.12  | 0.06  | 0.06  | 1408 | 1760 | 832  |
| Ethiopia                  | 0.76 | 0.72 | 0.66 | 0.10  | 0.04  | 0.06  | 829  | 1637 | 2538 |
| Gabon                     | 0.64 | 0.57 | 0.60 | 0.04  | 0.07  | -0.03 | 3210 | 1204 | 593  |
| Gambia                    | 0.80 | 0.84 | 0.79 | 0.01  | -0.04 | 0.05  | 457  | 1074 | 469  |
| Ghana                     | 0.73 | 0.69 | 0.67 | 0.06  | 0.04  | 0.02  | 1772 | 1974 | 1241 |
| Guinea                    | 0.67 | 0.70 | 0.69 | -0.02 | -0.03 | 0.01  | 1518 | 2141 | 1337 |
| Ivory Coast               | 0.70 | 0.67 | 0.68 | 0.02  | 0.03  | -0.01 | 1369 | 2842 | 786  |
| Kenya                     | 0.77 | 0.77 | 0.76 | 0.01  | 0.00  | 0.01  | 608  | 1258 | 3134 |
| Lesotho                   | 0.73 | 0.80 | 0.72 | 0.01  | -0.06 | 0.08  | 45   | 539  | 1416 |
| Liberia                   | 0.64 | 0.58 | 0.59 | 0.05  | 0.06  | -0.01 | 1931 | 2431 | 633  |
| Madagascar                | 0.79 | 0.78 | 0.77 | 0.02  | 0.01  | 0.01  | 1186 | 794  | 3025 |
| Malawi                    | 0.67 | 0.65 | 0.61 | 0.06  | 0.02  | 0.04  | 769  | 1436 | 2794 |
| Mali                      | 0.77 | 0.74 | 0.77 | 0.00  | 0.03  | -0.03 | 1206 | 2814 | 980  |
| Mauritania                | 0.76 | 0.74 | 0.65 | 0.11  | 0.02  | 0.09  | 1759 | 1894 | 1342 |
| Mauritius                 | 0.81 | 0.76 | 0.78 | 0.03  | 0.05  | -0.02 | 1401 | 2137 | 337  |
| Mozambique                | 0.66 | 0.59 | 0.62 | 0.04  | 0.07  | -0.03 | 424  | 774  | 1800 |
| Namibia                   | 0.76 | 0.75 | 0.68 | 0.08  | 0.01  | 0.07  | 873  | 1450 | 682  |
| Niger                     | 0.77 | 0.71 | 0.69 | 0.08  | 0.06  | 0.02  | 529  | 2323 | 2149 |
| Nigeria                   | 0.78 | 0.76 | 0.71 | 0.07  | 0.02  | 0.05  | 1444 | 2385 | 1165 |
| Rwanda                    | 0.79 | 0.76 | 0.75 | 0.04  | 0.03  | 0.01  | 522  | 1174 | 3304 |
| Senegal                   | 0.74 | 0.72 | 0.76 | -0.02 | 0.02  | -0.04 | 1725 | 2236 | 1037 |
| Sierra Leone              | 0.62 | 0.59 | 0.55 | 0.07  | 0.03  | 0.04  | 1385 | 2385 | 1231 |
| Somalia                   | 0.89 | 0.87 | 0.83 | 0.06  | 0.02  | 0.05  | 1609 | 1321 | 257  |
| South Africa              | 0.79 | 0.80 | 0.79 | 0.00  | -0.01 | 0.01  | 1512 | 2033 | 1454 |

|                                          |      |      |      |       |       |       |      |      |      |
|------------------------------------------|------|------|------|-------|-------|-------|------|------|------|
| South Sudan                              | 0.61 | 0.63 | 0.59 | 0.02  | -0.02 | 0.04  | 450  | 1163 | 2377 |
| Sudan                                    | 0.57 | 0.51 | 0.50 | 0.06  | 0.05  | 0.01  | 482  | 196  | 281  |
| Swaziland                                | 0.77 | 0.82 | 0.83 | -0.06 | -0.05 | -0.02 | 119  | 171  | 710  |
| Tanzania                                 | 0.75 | 0.69 | 0.70 | 0.05  | 0.06  | -0.01 | 1047 | 1914 | 2047 |
| Togo                                     | 0.61 | 0.60 | 0.60 | 0.01  | 0.01  | 0.00  | 1283 | 1940 | 1771 |
| Uganda                                   | 0.69 | 0.70 | 0.68 | 0.01  | -0.01 | 0.02  | 277  | 2253 | 2466 |
| Zambia                                   | 0.74 | 0.70 | 0.69 | 0.05  | 0.04  | 0.01  | 980  | 2437 | 1581 |
| Zimbabwe                                 | 0.78 | 0.72 | 0.73 | 0.05  | 0.06  | -0.01 | 1457 | 741  | 2800 |
| <u>Northern America</u>                  |      |      |      |       |       |       |      |      |      |
| Canada                                   | 0.83 | 0.85 | 0.84 | -0.01 | -0.02 | 0.01  | 3836 | 1391 | 709  |
| United States                            | 0.82 | 0.82 | 0.81 | 0.01  | 0.00  | 0.01  | 3154 | 1638 | 1074 |
| <u>Latin America &amp; the Caribbean</u> |      |      |      |       |       |       |      |      |      |
| Argentina                                | 0.83 | 0.84 | 0.87 | -0.03 | -0.01 | -0.03 | 3052 | 1779 | 128  |
| Belize                                   | 0.80 | 0.71 | 0.77 | 0.03  | 0.09  | -0.06 | 112  | 184  | 208  |
| Bolivia                                  | 0.78 | 0.75 | 0.74 | 0.04  | 0.03  | 0.01  | 2531 | 1940 | 528  |
| Brazil                                   | 0.76 | 0.75 | 0.73 | 0.03  | 0.01  | 0.02  | 2343 | 1981 | 687  |
| Chile                                    | 0.84 | 0.85 | 0.84 | 0.00  | -0.01 | 0.01  | 3652 | 827  | 638  |
| Colombia                                 | 0.84 | 0.82 | 0.79 | 0.05  | 0.02  | 0.03  | 2441 | 1947 | 603  |
| Costa Rica                               | 0.87 | 0.86 | 0.84 | 0.03  | 0.01  | 0.02  | 2092 | 2003 | 809  |
| Dominican Republic                       | 0.75 | 0.77 | 0.74 | 0.01  | -0.02 | 0.03  | 2381 | 1364 | 1137 |
| Ecuador                                  | 0.85 | 0.85 | 0.85 | 0.00  | 0.00  | 0.00  | 2037 | 1871 | 1090 |
| El Salvador                              | 0.83 | 0.82 | 0.83 | 0.00  | 0.01  | -0.01 | 2232 | 1066 | 1702 |
| Guatemala                                | 0.86 | 0.85 | 0.84 | 0.02  | 0.01  | 0.01  | 1670 | 1102 | 2220 |
| Haiti                                    | 0.59 | 0.57 | 0.59 | 0.00  | 0.02  | -0.02 | 752  | 849  | 915  |
| Honduras                                 | 0.85 | 0.87 | 0.83 | 0.02  | -0.02 | 0.04  | 1767 | 892  | 2189 |
| Jamaica                                  | 0.75 | 0.75 | 0.76 | -0.01 | 0.00  | -0.01 | 408  | 328  | 272  |
| Mexico                                   | 0.86 | 0.81 | 0.76 | 0.10  | 0.05  | 0.05  | 2554 | 1593 | 928  |
| Nicaragua                                | 0.83 | 0.81 | 0.79 | 0.04  | 0.02  | 0.02  | 1933 | 1712 | 1330 |
| Panama                                   | 0.84 | 0.83 | 0.84 | 0.00  | 0.01  | -0.01 | 2584 | 1712 | 632  |
| Paraguay                                 | 0.90 | 0.90 | 0.92 | -0.02 | 0.00  | -0.02 | 1676 | 1142 | 2143 |
| Peru                                     | 0.82 | 0.77 | 0.70 | 0.12  | 0.05  | 0.07  | 2894 | 1490 | 608  |
| Puerto Rico                              | 0.89 | 0.67 | 0.87 | 0.02  | 0.22  | -0.20 | 172  | 85   | 238  |
| Trinidad and Tobago                      | 0.82 | 0.86 |      |       | -0.04 |       | 152  | 352  |      |
| Uruguay                                  | 0.86 | 0.88 | 0.87 | -0.01 | -0.02 | 0.01  | 3093 | 1666 | 241  |
| Venezuela                                | 0.78 | 0.76 | 0.76 | 0.01  | 0.01  | 0.00  | 2698 | 2114 | 187  |

*Note:* Differences presented in shades of green and red represent statistically significant positive and negative differences at the 95% confidence level, respectively. Differences without a green or red shading are not significantly different from zero at the 95% confidence level. Statistical significance is determined based on an OLS regression model where positive affect is regressed on a rural-urban dummy at the individual level (sample weights used). Country-domicile combinations with fewer than 50 respondents are not reported.

**Table C3** Urban-rural difference in negative affect by country.

|                                    | Means |            |       | Differences     |                      |                      | N     |            |       |
|------------------------------------|-------|------------|-------|-----------------|----------------------|----------------------|-------|------------|-------|
| Country                            | Urban | Peri-urban | Rural | Urban vs. rural | Urban vs. peri-urban | Peri-urban vs. Rural | Urban | Peri-urban | Rural |
| <u>Northern and Western Europe</u> |       |            |       |                 |                      |                      |       |            |       |
| Austria                            | 0.19  | 0.20       | 0.17  | 0.02            | -0.01                | 0.03                 | 2517  | 2296       | 1148  |
| Belgium                            | 0.24  | 0.26       | 0.21  | 0.03            | -0.02                | 0.05                 | 2146  | 2842       | 1051  |
| Denmark                            | 0.22  | 0.21       | 0.19  | 0.04            | 0.02                 | 0.02                 | 3036  | 2240       | 693   |
| Finland                            | 0.19  | 0.18       | 0.19  | 0.00            | 0.01                 | -0.01                | 2498  | 2192       | 1290  |
| France                             | 0.26  | 0.23       | 0.23  | 0.03            | 0.03                 | 0.00                 | 2682  | 2562       | 731   |
| Germany                            | 0.20  | 0.21       | 0.22  | -0.02           | -0.01                | -0.01                | 3326  | 2733       | 936   |
| Iceland                            | 0.18  | 0.15       | 0.13  | 0.05            | 0.04                 | 0.01                 | 821   | 644        | 156   |
| Ireland                            | 0.21  | 0.21       | 0.24  | -0.03           | 0.00                 | -0.04                | 2374  | 2221       | 1378  |
| Luxembourg                         | 0.20  | 0.18       | 0.23  | -0.03           | 0.02                 | -0.06                | 1986  | 3395       | 609   |
| Netherlands                        | 0.21  | 0.21       | 0.17  | 0.05            | 0.01                 | 0.04                 | 2032  | 3412       | 549   |
| Norway                             | 0.22  | 0.20       | 0.20  | 0.02            | 0.02                 | 0.00                 | 2365  | 2529       | 2086  |
| Sweden                             | 0.20  | 0.18       | 0.18  | 0.02            | 0.02                 | -0.01                | 2530  | 2379       | 1059  |
| Switzerland                        | 0.21  | 0.19       | 0.17  | 0.04            | 0.02                 | 0.01                 | 1674  | 2942       | 883   |
| United Kingdom                     | 0.24  | 0.22       | 0.23  | 0.01            | 0.02                 | -0.01                | 2816  | 2582       | 586   |
| <u>Southern Europe</u>             |       |            |       |                 |                      |                      |       |            |       |
| Albania                            | 0.30  | 0.36       | 0.35  | -0.05           | -0.06                | 0.01                 | 2253  | 2238       | 506   |
| Bosnia and Herzegovina             | 0.26  | 0.27       | 0.30  | -0.03           | 0.00                 | -0.03                | 1278  | 1751       | 1945  |
| Croatia                            | 0.29  | 0.30       | 0.39  | -0.10           | -0.02                | -0.09                | 1652  | 3022       | 318   |
| Cyprus                             | 0.33  | 0.36       | 0.34  | -0.01           | -0.03                | 0.02                 | 3440  | 2330       | 263   |
| Greece                             | 0.32  | 0.31       | 0.31  | 0.01            | 0.01                 | -0.01                | 3220  | 1170       | 610   |
| Italy                              | 0.36  | 0.34       | 0.42  | -0.05           | 0.03                 | -0.08                | 2306  | 3426       | 253   |
| Malta                              | 0.32  | 0.34       | 0.30  | 0.02            | -0.02                | 0.04                 | 2080  | 3539       | 322   |
| Montenegro                         | 0.32  | 0.36       | 0.41  | -0.09           | -0.04                | -0.05                | 2388  | 1575       | 1021  |
| North Macedonia                    | 0.32  | 0.28       | 0.29  | 0.02            | 0.03                 | -0.01                | 2502  | 1862       | 699   |
| Portugal                           | 0.32  | 0.34       | 0.33  | -0.01           | -0.02                | 0.02                 | 2038  | 3014       | 978   |
| Serbia                             | 0.26  | 0.32       | 0.36  | -0.10           | -0.06                | -0.04                | 1920  | 1623       | 1424  |
| Spain                              | 0.32  | 0.31       | 0.37  | -0.05           | 0.01                 | -0.06                | 3137  | 2547       | 302   |
| <u>Eastern Europe</u>              |       |            |       |                 |                      |                      |       |            |       |
| Bulgaria                           | 0.18  | 0.21       | 0.24  | -0.06           | -0.03                | -0.03                | 2481  | 2318       | 200   |
| Czech Republic                     | 0.20  | 0.21       | 0.20  | 0.00            | -0.01                | 0.01                 | 1872  | 2859       | 233   |
| Estonia                            | 0.16  | 0.19       | 0.20  | -0.04           | -0.03                | -0.01                | 2397  | 1310       | 1293  |
| Hungary                            | 0.22  | 0.22       |       |                 | -0.01                |                      | 1990  | 2946       |       |
| Latvia                             | 0.22  | 0.23       | 0.23  | -0.01           | -0.01                | 0.00                 | 2654  | 1517       | 870   |
| Lithuania                          | 0.24  | 0.24       | 0.25  | -0.01           | 0.00                 | -0.01                | 2281  | 1598       | 1102  |
| Poland                             | 0.21  | 0.22       | 0.20  | 0.01            | -0.01                | 0.02                 | 1785  | 2290       | 920   |
| Romania                            | 0.27  | 0.30       | 0.29  | -0.02           | -0.03                | 0.01                 | 1844  | 1273       | 1881  |
| Slovakia                           | 0.24  | 0.25       | 0.26  | -0.03           | -0.01                | -0.02                | 1337  | 2819       | 842   |
| Slovenia                           | 0.28  | 0.28       | 0.26  | 0.01            | -0.01                | 0.02                 | 1809  | 3624       | 551   |

Commonwealth of Independent States

|              |      |      |      |       |       |       |      |      |      |
|--------------|------|------|------|-------|-------|-------|------|------|------|
| Armenia      | 0.43 | 0.42 | 0.46 | -0.03 | 0.01  | -0.04 | 1962 | 1334 | 1703 |
| Azerbaijan   | 0.17 | 0.22 | 0.22 | -0.05 | -0.05 | 0.00  | 1894 | 849  | 2254 |
| Belarus      | 0.21 | 0.19 | 0.21 | 0.00  | 0.02  | -0.02 | 2774 | 1226 | 1218 |
| Georgia      | 0.22 | 0.20 | 0.23 | -0.01 | 0.02  | -0.03 | 1909 | 950  | 2141 |
| Kazakhstan   | 0.17 | 0.18 | 0.16 | 0.01  | -0.02 | 0.02  | 1961 | 829  | 2207 |
| Kyrgyzstan   | 0.18 | 0.16 | 0.17 | 0.01  | 0.03  | -0.01 | 1046 | 609  | 3345 |
| Moldova      | 0.24 | 0.29 | 0.27 | -0.04 | -0.05 | 0.02  | 1075 | 893  | 3031 |
| Russia       | 0.17 | 0.15 | 0.17 | 0.00  | 0.02  | -0.01 | 5271 | 2814 | 1901 |
| Tajikistan   | 0.18 | 0.23 | 0.23 | -0.05 | -0.05 | 0.00  | 794  | 1158 | 5048 |
| Turkmenistan | 0.20 | 0.25 | 0.27 | -0.07 | -0.05 | -0.02 | 1317 | 1547 | 2135 |
| Ukraine      | 0.23 | 0.22 | 0.24 | -0.01 | 0.01  | -0.02 | 1927 | 1373 | 1681 |
| Uzbekistan   | 0.19 | 0.14 | 0.14 | 0.05  | 0.05  | 0.01  | 1756 | 545  | 2699 |

Australia-New Zealand

|             |      |      |      |       |      |       |      |      |     |
|-------------|------|------|------|-------|------|-------|------|------|-----|
| Australia   | 0.22 | 0.21 | 0.24 | -0.02 | 0.01 | -0.04 | 4568 | 799  | 615 |
| New Zealand | 0.19 | 0.17 | 0.17 | 0.01  | 0.01 | 0.00  | 3741 | 1309 | 916 |

Southeast Asia

|             |      |      |      |       |       |       |      |      |      |
|-------------|------|------|------|-------|-------|-------|------|------|------|
| Cambodia    | 0.40 | 0.42 | 0.43 | -0.02 | -0.02 | -0.01 | 950  | 3505 | 1143 |
| Indonesia   | 0.29 | 0.29 | 0.30 | -0.01 | 0.00  | -0.01 | 1420 | 1218 | 2359 |
| Laos        | 0.34 | 0.32 | 0.35 | -0.02 | 0.01  | -0.03 | 893  | 1550 | 1047 |
| Malaysia    | 0.25 | 0.27 | 0.25 | 0.00  | -0.01 | 0.02  | 2138 | 1415 | 420  |
| Myanmar     | 0.26 | 0.25 | 0.29 | -0.03 | 0.01  | -0.04 | 1750 | 3135 | 775  |
| Philippines | 0.31 | 0.34 | 0.37 | -0.07 | -0.04 | -0.03 | 2113 | 918  | 1955 |
| Thailand    | 0.20 | 0.19 | 0.20 | 0.00  | 0.01  | -0.01 | 1169 | 1787 | 2043 |
| Vietnam     | 0.22 | 0.23 | 0.22 | 0.00  | -0.01 | 0.01  | 1652 | 1387 | 1945 |

South Asia

|             |      |      |      |       |       |       |      |      |      |
|-------------|------|------|------|-------|-------|-------|------|------|------|
| Afghanistan | 0.33 | 0.31 | 0.39 | -0.05 | 0.02  | -0.07 | 801  | 701  | 3496 |
| Bangladesh  | 0.21 | 0.24 | 0.26 | -0.05 | -0.03 | -0.03 | 718  | 1271 | 3010 |
| Bhutan      | 0.35 | 0.28 | 0.32 | 0.03  | 0.07  | -0.04 | 370  | 330  | 1340 |
| India       | 0.26 | 0.31 | 0.35 | -0.10 | -0.05 | -0.05 | 2460 | 4578 | 7960 |
| Nepal       | 0.35 | 0.33 | 0.36 | -0.02 | 0.02  | -0.04 | 856  | 806  | 3385 |
| Pakistan    | 0.31 | 0.33 | 0.34 | -0.03 | -0.02 | -0.01 | 2194 | 2421 | 976  |
| Sri Lanka   | 0.27 | 0.25 | 0.24 | 0.03  | 0.01  | 0.02  | 819  | 2126 | 1391 |

East Asia

|             |      |      |      |       |      |       |      |      |       |
|-------------|------|------|------|-------|------|-------|------|------|-------|
| China       | 0.15 | 0.15 | 0.18 | -0.03 | 0.00 | -0.03 | 6250 | 3593 | 11156 |
| Japan       | 0.19 | 0.18 | 0.18 | 0.02  | 0.02 | 0.00  | 2524 | 2777 | 678   |
| Mongolia    | 0.22 | 0.18 | 0.16 | 0.06  | 0.04 | 0.02  | 2416 | 1072 | 1512  |
| South Korea | 0.24 | 0.24 | 0.25 | 0.00  | 0.01 | -0.01 | 5074 | 401  | 512   |

Middle East and NorthAfrica

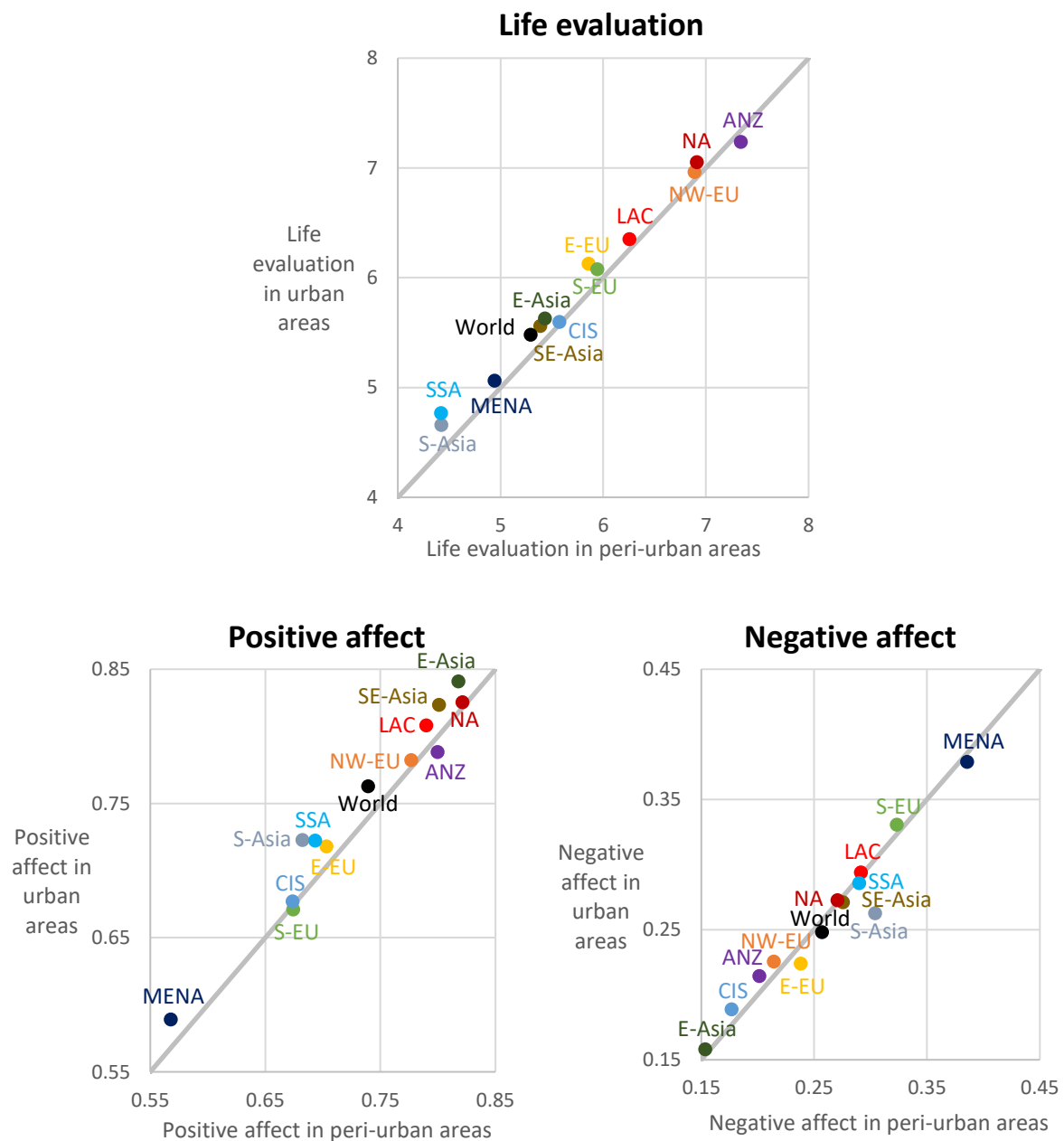
|           |      |      |      |       |       |       |      |      |      |
|-----------|------|------|------|-------|-------|-------|------|------|------|
| Algeria   | 0.27 | 0.37 | 0.30 | -0.03 | -0.11 | 0.08  | 3196 | 434  | 386  |
| Bahrain   | 0.28 | 0.32 | 0.30 | -0.03 | -0.04 | 0.02  | 2813 | 1958 | 273  |
| Egypt     | 0.37 | 0.34 | 0.32 | 0.04  | 0.03  | 0.01  | 2282 | 2147 | 570  |
| Hong Kong | 0.22 | 0.23 |      |       | -0.01 |       | 3727 | 185  |      |
| Iran      | 0.49 | 0.49 | 0.54 | -0.04 | 0.01  | -0.05 | 3712 | 1619 | 670  |
| Iraq      | 0.54 | 0.61 | 0.55 | -0.01 | -0.07 | 0.06  | 3947 | 1021 | 1024 |

|                           |      |      |      |       |       |       |      |      |      |
|---------------------------|------|------|------|-------|-------|-------|------|------|------|
| Israel                    | 0.27 | 0.29 | 0.25 | 0.02  | -0.03 | 0.04  | 3511 | 1006 | 493  |
| Jordan                    | 0.33 | 0.37 | 0.30 | 0.03  | -0.04 | 0.07  | 3621 | 790  | 593  |
| Kuwait                    | 0.31 | 0.37 | 0.32 | -0.01 | -0.06 | 0.05  | 4461 | 275  | 68   |
| Lebanon                   | 0.27 | 0.25 | 0.25 | 0.02  | 0.02  | 0.00  | 2607 | 2109 | 284  |
| Libya                     | 0.38 | 0.40 | 0.37 | 0.01  | -0.02 | 0.03  | 2240 | 556  | 709  |
| Morocco                   | 0.32 | 0.27 | 0.28 | 0.04  | 0.05  | -0.01 | 2133 | 1033 | 1891 |
| Saudi Arabia              | 0.29 | 0.31 | 0.44 | -0.15 | -0.01 | -0.14 | 5167 | 611  | 208  |
| Syria                     | 0.65 | 0.63 | 0.64 | 0.01  | 0.02  | -0.01 | 303  | 243  | 456  |
| Tunisia                   | 0.33 | 0.35 | 0.41 | -0.08 | -0.02 | -0.06 | 3230 | 705  | 1121 |
| Turkey                    | 0.35 | 0.36 | 0.49 | -0.13 | -0.01 | -0.12 | 4752 | 1021 | 227  |
| United Arab Emirates      | 0.26 | 0.29 | 0.29 | -0.03 | -0.03 | 0.01  | 7888 | 885  | 361  |
| Yemen                     | 0.30 | 0.29 | 0.28 | 0.01  | 0.01  | 0.00  | 1100 | 840  | 3059 |
| <u>Sub-Saharan Africa</u> |      |      |      |       |       |       |      |      |      |
| Angola                    | 0.33 | 0.26 | 0.40 | -0.07 | 0.08  | -0.15 | 197  | 133  | 608  |
| Benin                     | 0.38 | 0.43 | 0.39 | -0.01 | -0.05 | 0.04  | 1081 | 2179 | 1735 |
| Botswana                  | 0.25 | 0.23 | 0.28 | -0.03 | 0.03  | -0.06 | 863  | 1641 | 2498 |
| Burkina Faso              | 0.37 | 0.32 | 0.32 | 0.05  | 0.05  | 0.00  | 1040 | 2398 | 1560 |
| Burundi                   | 0.28 | 0.29 | 0.31 | -0.03 | -0.01 | -0.02 | 252  | 244  | 1501 |
| Cameroon                  | 0.35 | 0.31 | 0.31 | 0.04  | 0.05  | -0.01 | 1404 | 1270 | 1323 |
| Central African Republic  | 0.52 | 0.54 | 0.61 | -0.09 | -0.02 | -0.07 | 702  | 847  | 451  |
| Chad                      | 0.47 | 0.43 | 0.46 | 0.00  | 0.04  | -0.03 | 829  | 3270 | 891  |
| Comoros                   | 0.35 | 0.33 | 0.29 | 0.06  | 0.02  | 0.04  | 420  | 510  | 70   |
| Congo Brazzaville         | 0.35 | 0.37 | 0.39 | -0.04 | -0.02 | -0.02 | 2943 | 1661 | 380  |
| Congo Kinshasa            | 0.28 | 0.31 | 0.34 | -0.06 | -0.03 | -0.03 | 1408 | 1760 | 832  |
| Ethiopia                  | 0.21 | 0.27 | 0.29 | -0.08 | -0.06 | -0.02 | 829  | 1637 | 2538 |
| Gabon                     | 0.40 | 0.38 | 0.39 | 0.00  | 0.02  | -0.02 | 3210 | 1204 | 593  |
| Gambia                    | 0.30 | 0.34 | 0.32 | -0.02 | -0.05 | 0.02  | 457  | 1074 | 469  |
| Ghana                     | 0.25 | 0.27 | 0.30 | -0.05 | -0.02 | -0.04 | 1772 | 1974 | 1241 |
| Guinea                    | 0.37 | 0.36 | 0.40 | -0.04 | 0.01  | -0.04 | 1518 | 2141 | 1337 |
| Ivory Coast               | 0.37 | 0.34 | 0.37 | 0.00  | 0.03  | -0.04 | 1369 | 2842 | 786  |
| Kenya                     | 0.23 | 0.22 | 0.21 | 0.02  | 0.01  | 0.01  | 608  | 1258 | 3134 |
| Lesotho                   |      | 0.27 | 0.26 |       |       | 0.00  |      | 539  | 1416 |
| Liberia                   | 0.42 | 0.45 | 0.40 | 0.02  | -0.04 | 0.05  | 1931 | 2431 | 633  |
| Madagascar                | 0.29 | 0.29 | 0.26 | 0.03  | 0.01  | 0.02  | 1186 | 794  | 3025 |
| Malawi                    | 0.28 | 0.31 | 0.31 | -0.03 | -0.03 | 0.00  | 769  | 1436 | 2794 |
| Mali                      | 0.31 | 0.31 | 0.27 | 0.03  | 0.00  | 0.03  | 1206 | 2814 | 980  |
| Mauritania                | 0.23 | 0.19 | 0.27 | -0.04 | 0.03  | -0.07 | 1759 | 1894 | 1342 |
| Mauritius                 | 0.19 | 0.20 | 0.21 | -0.02 | -0.01 | -0.01 | 1401 | 2137 | 337  |
| Mozambique                | 0.37 | 0.37 | 0.36 | 0.01  | 0.00  | 0.01  | 424  | 774  | 1800 |
| Namibia                   | 0.29 | 0.24 | 0.24 | 0.05  | 0.06  | -0.01 | 873  | 1450 | 682  |
| Niger                     | 0.25 | 0.35 | 0.33 | -0.09 | -0.11 | 0.02  | 529  | 2323 | 2149 |
| Nigeria                   | 0.26 | 0.25 | 0.24 | 0.01  | 0.00  | 0.01  | 1444 | 2385 | 1165 |
| Rwanda                    | 0.27 | 0.27 | 0.25 | 0.02  | 0.00  | 0.02  | 522  | 1174 | 3304 |
| Senegal                   | 0.23 | 0.22 | 0.24 | -0.01 | 0.01  | -0.02 | 1725 | 2236 | 1037 |
| Sierra Leone              | 0.43 | 0.46 | 0.39 | 0.03  | -0.03 | 0.07  | 1385 | 2385 | 1231 |
| Somalia                   | 0.20 | 0.19 | 0.17 | 0.03  | 0.00  | 0.02  | 1609 | 1321 | 257  |

|                                          |      |      |      |       |       |       |      |      |      |
|------------------------------------------|------|------|------|-------|-------|-------|------|------|------|
| South Africa                             | 0.26 | 0.25 | 0.25 | 0.00  | 0.01  | 0.00  | 1512 | 2033 | 1454 |
| South Sudan                              | 0.37 | 0.51 | 0.49 | -0.13 | -0.15 | 0.02  | 450  | 1163 | 2377 |
| Sudan                                    | 0.32 | 0.33 | 0.25 | 0.07  | -0.01 | 0.08  | 482  | 196  | 281  |
| Swaziland                                | 0.35 | 0.26 | 0.24 | 0.11  | 0.09  | 0.02  | 119  | 171  | 710  |
| Tanzania                                 | 0.24 | 0.22 | 0.23 | 0.01  | 0.02  | -0.01 | 1047 | 1914 | 2047 |
| Togo                                     | 0.42 | 0.43 | 0.47 | -0.04 | -0.01 | -0.03 | 1283 | 1940 | 1771 |
| Uganda                                   | 0.39 | 0.37 | 0.40 | -0.02 | 0.01  | -0.03 | 277  | 2253 | 2466 |
| Zambia                                   | 0.37 | 0.36 | 0.37 | 0.00  | 0.01  | -0.01 | 980  | 2437 | 1581 |
| Zimbabwe                                 | 0.23 | 0.20 | 0.21 | 0.02  | 0.04  | -0.01 | 1457 | 741  | 2800 |
| <u>Northern America</u>                  |      |      |      |       |       |       |      |      |      |
| Canada                                   | 0.25 | 0.26 | 0.24 | 0.01  | 0.00  | 0.01  | 3836 | 1391 | 709  |
| United States                            | 0.27 | 0.27 | 0.28 | -0.01 | 0.00  | -0.01 | 3154 | 1638 | 1074 |
| <u>Latin America &amp; the Caribbean</u> |      |      |      |       |       |       |      |      |      |
| Argentina                                | 0.31 | 0.27 | 0.22 | 0.09  | 0.04  | 0.05  | 3052 | 1779 | 128  |
| Belize                                   | 0.32 | 0.24 | 0.30 | 0.02  | 0.08  | -0.06 | 112  | 184  | 208  |
| Bolivia                                  | 0.38 | 0.42 | 0.45 | -0.07 | -0.04 | -0.03 | 2531 | 1940 | 528  |
| Brazil                                   | 0.33 | 0.30 | 0.30 | 0.03  | 0.03  | 0.00  | 2343 | 1981 | 687  |
| Chile                                    | 0.29 | 0.31 | 0.26 | 0.03  | -0.02 | 0.05  | 3652 | 827  | 638  |
| Colombia                                 | 0.28 | 0.30 | 0.32 | -0.04 | -0.01 | -0.03 | 2441 | 1947 | 603  |
| Costa Rica                               | 0.28 | 0.30 | 0.30 | -0.02 | -0.02 | 0.00  | 2092 | 2003 | 809  |
| Dominican Republic                       | 0.30 | 0.28 | 0.28 | 0.02  | 0.02  | 0.00  | 2381 | 1364 | 1137 |
| Ecuador                                  | 0.31 | 0.34 | 0.35 | -0.04 | -0.03 | -0.01 | 2037 | 1871 | 1090 |
| El Salvador                              | 0.31 | 0.33 | 0.29 | 0.02  | -0.02 | 0.03  | 2232 | 1066 | 1702 |
| Guatemala                                | 0.31 | 0.31 | 0.29 | 0.02  | -0.01 | 0.02  | 1670 | 1102 | 2220 |
| Haiti                                    | 0.33 | 0.33 | 0.36 | -0.02 | 0.00  | -0.02 | 752  | 849  | 915  |
| Honduras                                 | 0.29 | 0.29 | 0.29 | 0.01  | 0.01  | 0.00  | 1767 | 892  | 2189 |
| Jamaica                                  | 0.29 | 0.27 | 0.28 | 0.01  | 0.02  | -0.01 | 408  | 328  | 272  |
| Mexico                                   | 0.21 | 0.23 | 0.27 | -0.07 | -0.02 | -0.05 | 2554 | 1593 | 928  |
| Nicaragua                                | 0.35 | 0.36 | 0.36 | -0.01 | -0.01 | 0.00  | 1933 | 1712 | 1330 |
| Panama                                   | 0.24 | 0.25 | 0.24 | 0.00  | 0.00  | 0.00  | 2584 | 1712 | 632  |
| Paraguay                                 | 0.20 | 0.23 | 0.23 | -0.03 | -0.03 | 0.00  | 1676 | 1142 | 2143 |
| Peru                                     | 0.34 | 0.39 | 0.37 | -0.02 | -0.05 | 0.03  | 2894 | 1490 | 608  |
| Puerto Rico                              | 0.31 | 0.34 | 0.29 | 0.02  | -0.02 | 0.04  | 172  | 85   | 238  |
| Trinidad and Tobago                      | 0.29 | 0.23 |      |       | 0.06  |       | 152  | 352  |      |
| Uruguay                                  | 0.28 | 0.27 | 0.26 | 0.03  | 0.01  | 0.02  | 3093 | 1666 | 241  |
| Venezuela                                | 0.32 | 0.32 | 0.30 | 0.02  | -0.01 | 0.02  | 2698 | 2114 | 187  |

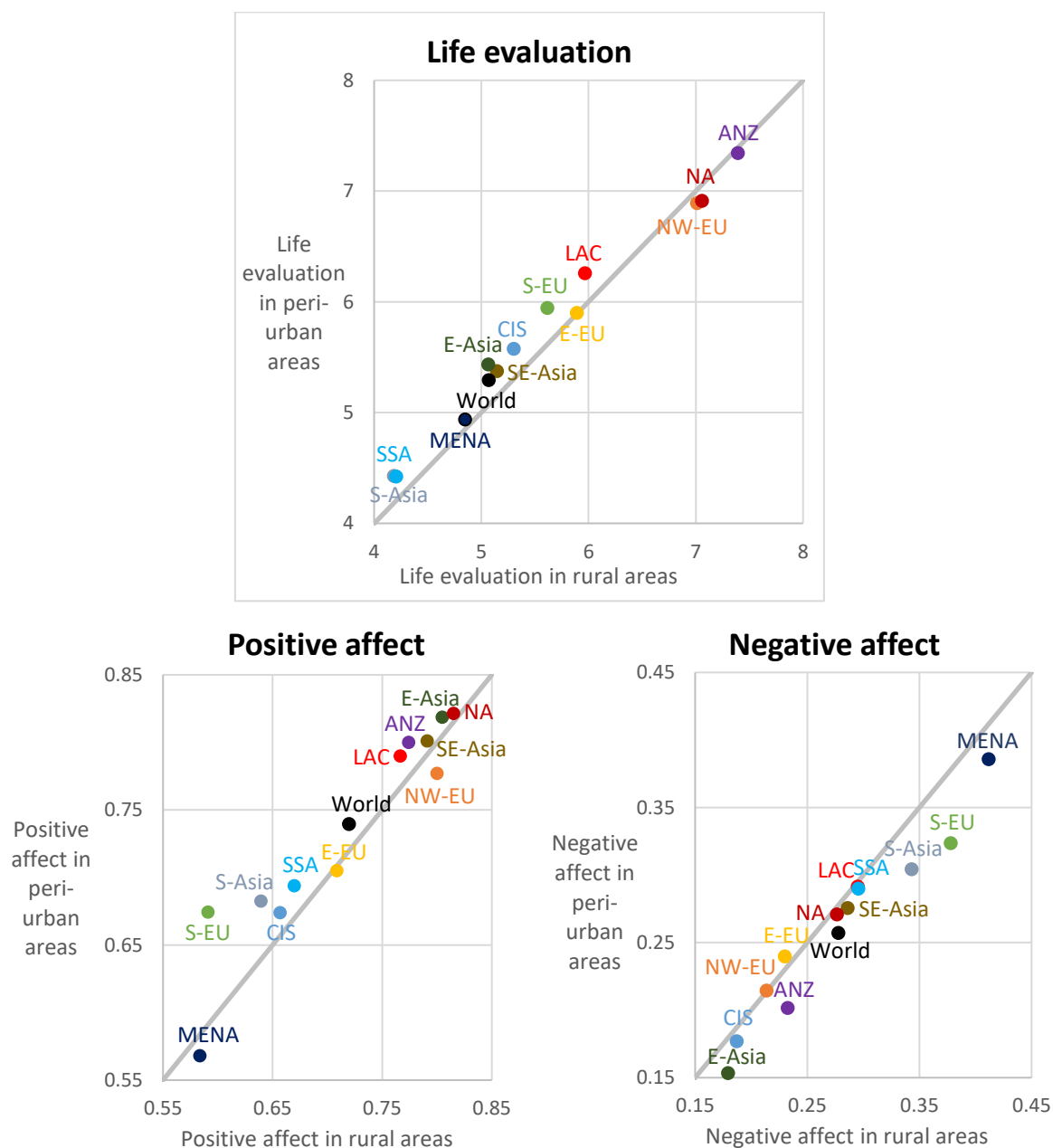
*Note:* Differences presented in shades of green and red represent statistically significant positive and negative differences at the 95% confidence level, respectively. Differences without a green or red shading are not significantly different from zero at the 95% confidence level. Statistical significance is determined based on an OLS regression model where negative affect is regressed on a rural-urban dummy at the individual level (sample weights used). Country-domicile combinations with fewer than 50 respondents are not reported.

## Appendix D: Urban-peri-urban happiness differences by world region



**Notes:** N=155 countries for life evaluations and 154 countries for positive and negative affect. Figures are weighted averages using sampling and population weights. No control variables used. Countries or territories with fewer than 50 observations in urban or peri-urban areas are not included. The excluded countries are Lesotho, Singapore, and Trinidad and Tobago. Data on affect is missing for Qatar.

## Appendix E: Peri-urban-rural happiness differences by world region



*Notes:* N=151 countries. Figures are weighted averages using sampling and population weights. No control variables used. Countries or territories with fewer than 50 observations in rural or peri-urban areas are not included. The excluded countries/territories are Hong Kong, Hungary, Palestinian Territories, Qatar, Singapore, and Trinidad and Tobago.

## Appendix F: Comparison of Urban-Rural Life Evaluation Differential using Perceived Urbanization Level and Degree of Urbanization 2016-2018

|                             | <b>Urban-Rural Life Evaluation Gap<br/>using Perceived Urbanization<br/>Level</b> | <b>Urban(City)-Rural Life Evaluation<br/>Gap using Degree of Urbanization</b> |
|-----------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Afghanistan                 | -0,02                                                                             | -0,25                                                                         |
| Albania                     | 0,31                                                                              | 0,66                                                                          |
| Algeria                     | 0,60                                                                              | 0,13                                                                          |
| Argentina                   | -1,11                                                                             | -0,57                                                                         |
| Armenia                     | 0,26                                                                              | 0,06                                                                          |
| Azerbaijan                  | 0,70                                                                              | 0,63                                                                          |
| Bangladesh                  | 0,65                                                                              | 0,17                                                                          |
| Belarus                     | 0,05                                                                              | 0,20                                                                          |
| Benin                       | 1,20                                                                              | 0,34                                                                          |
| Bolivia                     | 0,31                                                                              | 0,69                                                                          |
| Bosnia Herzegovina          | 0,48                                                                              | 0,31                                                                          |
| Botswana                    | 0,76                                                                              | 0,96                                                                          |
| Brazil                      | -0,53                                                                             | -0,38                                                                         |
| Bulgaria                    | 1,00                                                                              | 1,05                                                                          |
| Burkina Faso                | 0,72                                                                              | 0,26                                                                          |
| Burundi                     | 0,55                                                                              | 0,13                                                                          |
| Cambodia                    | -0,15                                                                             | -0,03                                                                         |
| Cameroon                    | -0,03                                                                             | 0,09                                                                          |
| Central African<br>Republic | 1,21                                                                              | 1,27                                                                          |
| Chad                        | -0,05                                                                             | 0,22                                                                          |
| Chile                       | 0,11                                                                              | 0,09                                                                          |
| China                       | 0,70                                                                              | 0,59                                                                          |
| Colombia                    | 0,96                                                                              | 1,00                                                                          |
| Comoros                     | 0,76                                                                              | 0,45                                                                          |
| Congo Brazzaville           | 1,39                                                                              | 0,91                                                                          |
| Congo Kinshasa              | 1,03                                                                              | 0,68                                                                          |
| Costa Rica                  | 0,42                                                                              | 0,22                                                                          |
| Croatia                     | 0,47                                                                              | 0,50                                                                          |
| Czech Republic              | -0,63                                                                             | -0,56                                                                         |
| Dominican Republic          | 0,36                                                                              | 0,22                                                                          |
| Ecuador                     | 0,75                                                                              | 0,86                                                                          |
| Egypt                       | -0,29                                                                             | -0,07                                                                         |
| El Salvador                 | 0,31                                                                              | 0,31                                                                          |
| Estonia                     | 0,12                                                                              | 0,12                                                                          |
| Ethiopia                    | 0,39                                                                              | 0,20                                                                          |
| Gabon                       | 0,65                                                                              | 0,36                                                                          |
| Gambia                      | 0,95                                                                              | 1,35                                                                          |
| Georgia                     | 0,20                                                                              | -0,01                                                                         |

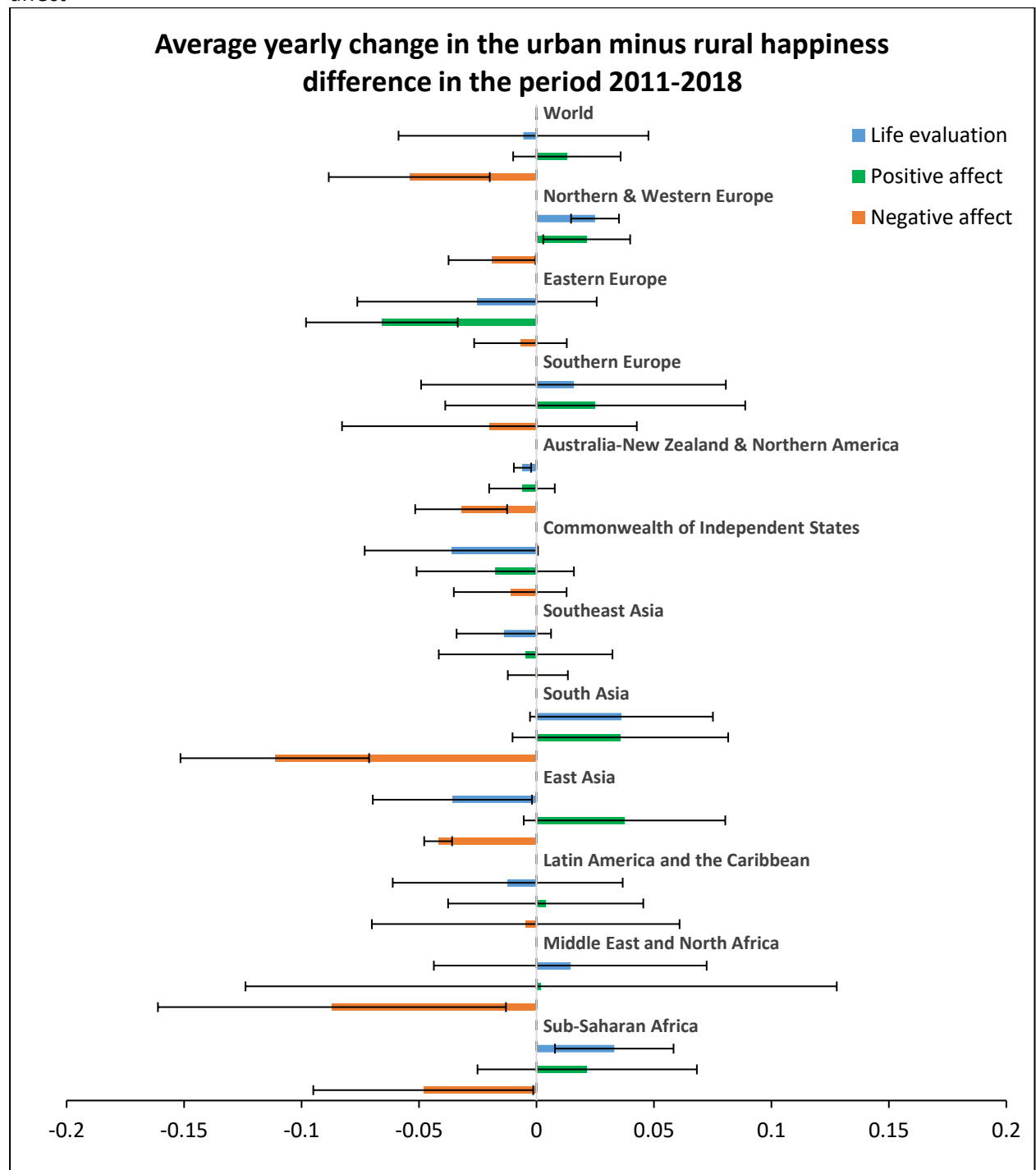
|             |       |       |
|-------------|-------|-------|
| Ghana       | -0,15 | 0,57  |
| Greece      | 0,54  | 0,25  |
| Guatemala   | 0,15  | 0,14  |
| Guinea      | 0,24  | 0,79  |
| Haiti       | 0,55  | 0,36  |
| Honduras    | 0,31  | 0,41  |
| India       | 0,62  | 0,25  |
| Indonesia   | 0,57  | 0,40  |
| Israel      | 0,00  | 0,37  |
| Ivory Coast | 0,79  | 0,13  |
| Jamaica     | 0,44  | 0,38  |
| Jordan      | 0,18  | 0,20  |
| Kazakhstan  | 0,20  | 0,11  |
| Kenya       | 0,30  | 0,23  |
| Kosovo      | -0,23 | -0,25 |
| Kyrgyzstan  | 0,15  | 0,21  |
| Laos        | 0,15  | 0,28  |
| Latvia      | 0,42  | 0,45  |
| Lebanon     | -0,74 | -0,47 |
| Lesotho     | 0,07  | 0,07  |
| Liberia     | -0,20 | 0,34  |
| Lithuania   | 0,40  | 0,27  |
| Macedonia   | 0,20  | 0,40  |
| Madagascar  | 0,40  | 0,38  |
| Malawi      | 0,75  | 0,76  |
| Malaysia    | -0,13 | -0,08 |
| Mali        | 0,63  | 0,48  |
| Mauritania  | 0,84  | 0,26  |
| Mexico      | 0,75  | 0,33  |
| Moldova     | 0,07  | -0,02 |
| Mongolia    | -0,07 | 0,01  |
| Montenegro  | 0,40  | 0,64  |
| Morocco     | -0,03 | 0,04  |
| Mozambique  | 0,24  | 0,09  |
| Myanmar     | 0,22  | 0,08  |
| Namibia     | 0,75  | 0,22  |
| Nepal       | 0,69  | 0,74  |
| Nicaragua   | 0,53  | -0,08 |
| Niger       | 0,79  | -0,01 |
| Nigeria     | 0,28  | 0,27  |
| Pakistan    | 0,34  | 0,49  |
| Panama      | 1,08  | 0,65  |
| Paraguay    | 0,61  | 0,54  |
| Peru        | 1,15  | 0,97  |
| Philippines | 0,62  | 0,44  |
| Poland      | 0,19  | 0,19  |

|               |       |       |
|---------------|-------|-------|
| Romania       | 0,15  | 0,22  |
| Russia        | 0,22  | 0,37  |
| Rwanda        | 0,85  | 0,61  |
| Senegal       | 0,78  | 0,64  |
| Serbia        | 1,05  | 0,86  |
| Sierra Leone  | 0,49  | 0,73  |
| Slovakia      | 0,26  | 0,53  |
| South Africa  | 0,96  | 0,69  |
| South Sudan   | 0,71  | 1,08  |
| Sri Lanka     | 0,44  | 0,25  |
| Swaziland     | 0,59  | 0,55  |
| Tajikistan    | 0,30  | 0,44  |
| Tanzania      | 0,32  | 0,40  |
| Thailand      | 0,21  | 0,04  |
| Togo          | 1,05  | 0,32  |
| Tunisia       | 1,02  | 0,71  |
| Turkey        | -0,23 | -0,03 |
| Turkmenistan  | 0,34  | 0,51  |
| Uganda        | 0,20  | 0,45  |
| Ukraine       | 0,93  | 0,83  |
| United States | -0,12 | -0,06 |
| Uruguay       | -0,07 | -0,37 |
| Uzbekistan    | -0,06 | -0,07 |
| Venezuela     | 0,61  | 0,23  |
| Vietnam       | 0,18  | 0,04  |
| Zambia        | 0,80  | 0,63  |
| Zimbabwe      | 0,93  | 0,76  |

Note: This table has been kindly provided by Lewis Dijkstra. More information on the degree of urbanization measure can be found in the Annex of the World Happiness Report.

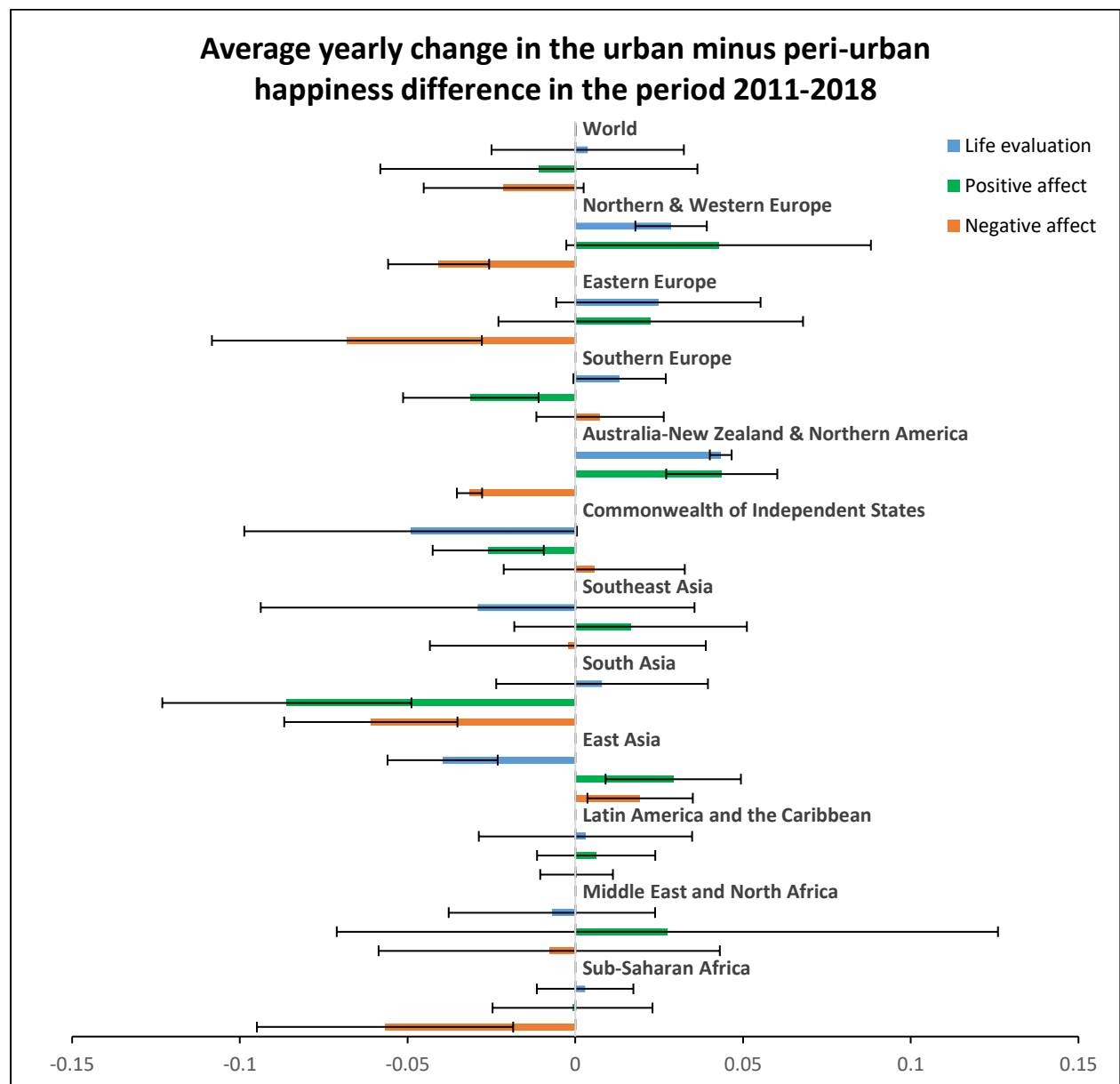
## Appendix G: Trends in peri-urban differences in life evaluations, positive affect, and negative affect by country

**Figure G1.** Trends in urban minus rural differences in life evaluations, positive affect, and negative affect



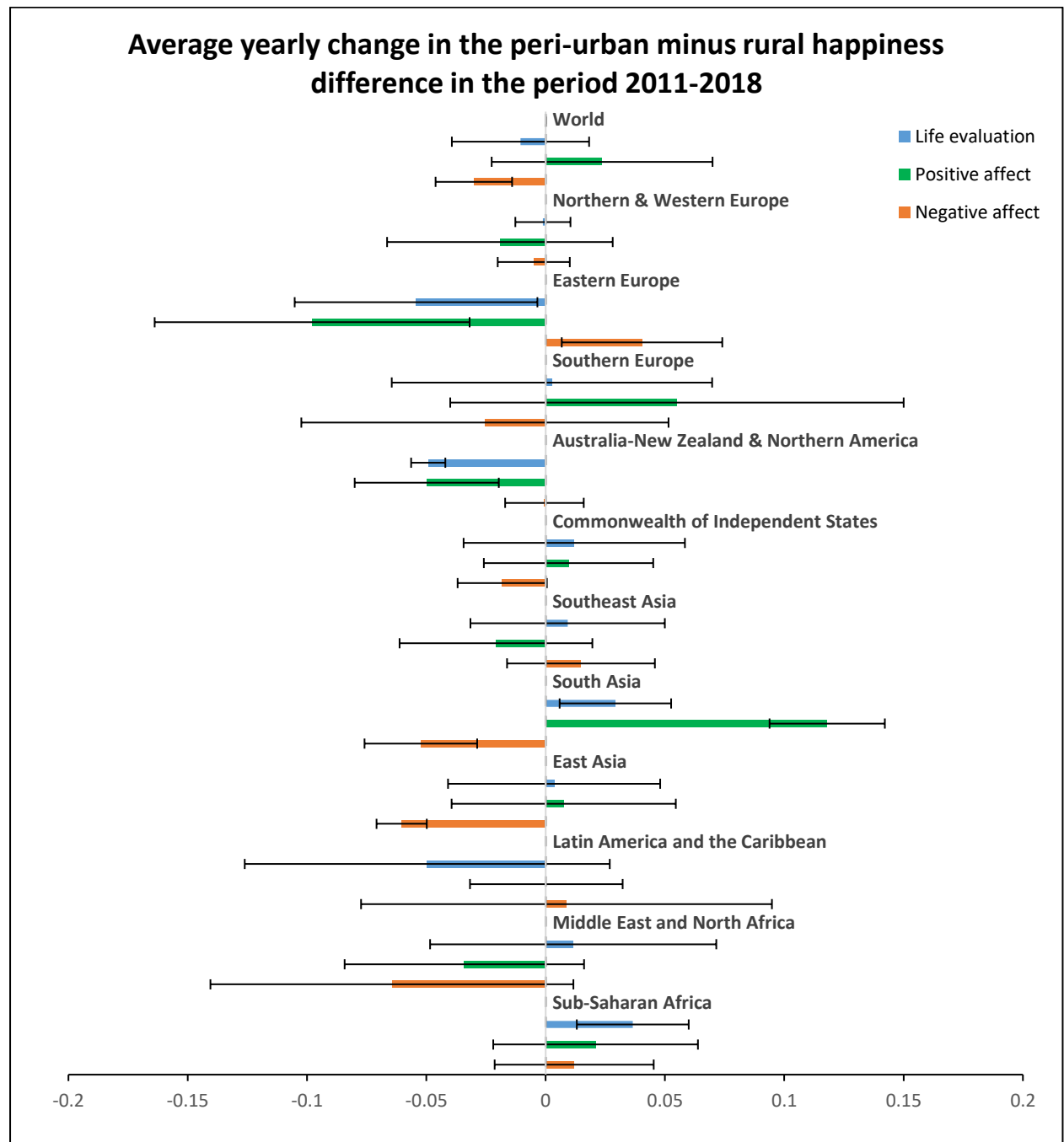
**Notes:** N=150 countries. Positive and negative affect are rescaled to a 0-10 scale. Figures are weighted using sampling and population weights. Estimates are derived from individual-level OLS regression analyses with country and year dummies as control variables and with robust standard errors clustered at the country level. The baseline year (2011) is the aggregate score of the 2006-2011 period for the subset of countries with pre-2011 data. Horizontal lines show a 95% confidence range

**Figure G2.** Trends in urban minus peri-urban differences in life evaluations, positive affect, and negative affect by world region



**Note:** N=155 countries for life evaluations and 154 countries for positive and negative affect. Positive and negative affect are rescaled to a 0-10 scale. Figures are weighted using sampling and population weights. Estimates are derived from individual-level OLS regression analyses with country and year dummies as control variables and with robust standard errors clustered at the country level. The baseline year (2011) is the aggregate score of the 2006-2011 period for the subset of countries with pre-2011 data. Horizontal lines show a 95% confidence range.

**Figure G3.** Trends in peri-urban minus rural differences in life evaluations, positive affect, and negative affect by world region.



**Note:** N=151 countries. Positive and negative affect are rescaled to a 0-10 scale. Figures are weighted using sampling and population weights. Estimates are derived from individual-level OLS regression analyses with country and year dummies as control variables and with robust standard errors clustered at the country level. The baseline year (2011) is the aggregate score of the 2006-2011 period for the subset of countries with pre-2011 data. Horizontal lines show a 95% confidence range.

## Appendix H: Trends in the happiness differences between urban, peri-urban, and rural areas by country

**Table H1.** Trends by country (average yearly change of the difference in the period 2011-2018).

|                                    | Urban minus rural difference |                 |                 | Urban minus peri-urban difference |                 |                 | Peri-urban minus rural difference |                 |                 |
|------------------------------------|------------------------------|-----------------|-----------------|-----------------------------------|-----------------|-----------------|-----------------------------------|-----------------|-----------------|
|                                    | Life evaluations             | Positive affect | Negative affect | Life evaluations                  | Positive affect | Negative affect | Life evaluations                  | Positive affect | Negative affect |
| <u>Northern and Western Europe</u> |                              |                 |                 |                                   |                 |                 |                                   |                 |                 |
| Austria                            | -0.026                       | -0.005          | 0.003           | 0.008                             | 0.001           | -0.004          | -0.034                            | -0.006          | 0.008           |
| Belgium                            | -0.033                       | -0.003          | 0.001           | -0.04                             | -0.011          | 0.007           | 0.01                              | 0.007           | -0.010          |
| Denmark                            | -0.009                       | 0.003           | 0.004           | -0.010                            | 0.001           | 0.003           | 0.001                             | 0.002           | 0.001           |
| Finland                            | -0.001                       | 0.003           | -0.001          | 0.029                             | 0.006           | 0.000           | -0.030                            | -0.003          | -0.001          |
| France                             | 0.039                        | 0.012           | -0.003          | 0.041                             | 0.000           | -0.001          | -0.002                            | 0.006           | -0.001          |
| Germany                            | 0.027                        | 0.001           | -0.004          | 0.035                             | 0.008           | -0.003          | -0.007                            | -0.008          | -0.001          |
| Iceland                            | -0.160                       | -0.009          | 0.014           | -0.025                            | -0.009          | 0.008           | -0.135                            | -0.007          | 0.012           |
| Ireland                            | 0.056                        | -0.005          | -0.007          | 0.016                             | -0.004          | 0.002           | 0.040                             | -0.001          | -0.009          |
| Luxembourg                         | 0.053                        | 0.018           | -0.018          | 0.007                             | 0.002           | -0.002          | 0.046                             | 0.015           | -0.016          |
| Netherlands                        | 0.021                        | -0.003          | 0.007           | 0.027                             | 0.003           | -0.002          | -0.006                            | -0.006          | 0.009           |
| Norway                             | 0.054                        | 0.005           | -0.002          | 0.020                             | 0.003           | 0.001           | 0.034                             | 0.002           | -0.004          |
| Sweden                             | -0.009                       | 0.002           | -0.003          | 0.012                             | 0.001           | -0.001          | -0.021                            | 0.001           | -0.003          |
| Switzerland                        | 0.066                        | 0.002           | -0.000          | -0.017                            | -0.007          | 0.004           | 0.082                             | 0.009           | -0.005          |
| United Kingdom                     | 0.027                        | 0.003           | -0.002          | 0.020                             | 0.005           | -0.000          | 0.007                             | -0.002          | -0.002          |
| <u>Southern Europe</u>             |                              |                 |                 |                                   |                 |                 |                                   |                 |                 |
| Albania                            | -0.006                       | -0.010          | -0.005          | 0.004                             | -0.001          | -0.009          | -0.009                            | -0.008          | 0.004           |
| Bosnia and Herzegovina             | 0.009                        | 0.013           | 0.004           | 0.034                             | 0.017           | 0.007           | -0.025                            | -0.004          | -0.003          |
| Croatia                            | -0.013                       | 0.012           | -0.020          | 0.010                             | 0.006           | -0.006          | -0.023                            | 0.006           | -0.015          |
| Cyprus                             | 0.006                        | 0.005           | -0.004          | 0.015                             | 0.008           | -0.004          | -0.009                            | -0.003          | 0.001           |
| Greece                             | 0.051                        | -0.008          | 0.008           | -0.011                            | -0.007          | 0.003           | 0.063                             | -0.001          | 0.005           |
| Italy                              | 0.076                        | 0.009           | -0.009          | 0.005                             | -0.005          | 0.003           | 0.071                             | 0.013           | -0.013          |
| Malta                              | -0.052                       | -0.004          | 0.001           | -0.013                            | -0.001          | -0.005          | -0.039                            | -0.003          | 0.006           |
| Montenegro                         | 0.021                        | -0.002          | -0.003          | 0.055                             | -0.002          | -0.000          | -0.071                            | -0.003          | -0.002          |
| North Macedonia                    | -0.018                       | 0.007           | 0.006           | -0.009                            | -0.009          | 0.002           | -0.009                            | 0.016           | 0.004           |
| Portugal                           | 0.074                        | 0.008           | -0.002          | 0.038                             | 0.004           | -0.003          | 0.036                             | 0.004           | 0.001           |
| Serbia                             | 0.025                        | 0.002           | -0.010          | 0.040                             | 0.008           | -0.009          | -0.016                            | -0.005          | -0.001          |
| Spain                              | 0.001                        | 0.009           | -0.010          | 0.019                             | 0.000           | 0.003           | -0.018                            | 0.008           | -0.013          |
| <u>Eastern Europe</u>              |                              |                 |                 |                                   |                 |                 |                                   |                 |                 |
| Bulgaria                           | 0.059                        | -0.001          | -0.020          | 0.009                             | -0.016          | -0.002          | 0.050                             | 0.015           | -0.019          |
| Czech Republic                     | -0.125                       | 0.002           | 0.009           | -0.058                            | -0.001          | -0.001          | -0.067                            | 0.003           | 0.010           |
| Estonia                            | 0.023                        | 0.002           | -0.007          | -0.010                            | 0.000           | 0.001           | 0.033                             | 0.001           | -0.008          |
| Hungary                            |                              |                 |                 | 0.015                             | -0.002          | -0.003          |                                   |                 |                 |
| Latvia                             | 0.059                        | 0.018           | 0.007           | 0.034                             | 0.011           | 0.006           | 0.025                             | 0.007           | 0.001           |
| Lithuania                          | 0.049                        | -0.007          | 0.007           | -0.042                            | 0.002           | 0.000           | 0.091                             | -0.009          | 0.006           |

|                                           |        |        |        |        |        |        |        |        |        |
|-------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Poland                                    | -0.002 | -0.010 | -0.001 | 0.037  | -0.003 | -0.008 | -0.039 | -0.013 | 0.007  |
| Romania                                   | -0.057 | 0.002  | 0.003  | 0.021  | 0.001  | -0.002 | -0.078 | 0.001  | 0.005  |
| Slovakia                                  | -0.014 | -0.008 | -0.005 | -0.020 | 0.002  | -0.003 | 0.006  | -0.010 | -0.002 |
| Slovenia                                  | -0.060 | -0.009 | 0.010  | 0.015  | -0.002 | -0.000 | -0.074 | -0.007 | 0.010  |
| <u>Commonwealth of Independent States</u> |        |        |        |        |        |        |        |        |        |
| Armenia                                   | 0.020  | -0.002 | -0.007 | 0.045  | 0.018  | -0.002 | -0.025 | -0.020 | -0.004 |
| Azerbaijan                                | -0.024 | 0.006  | -0.007 | -0.039 | 0.011  | -0.008 | 0.015  | -0.005 | 0.001  |
| Belarus                                   | -0.046 | 0.003  | 0.010  | 0.021  | -0.001 | 0.007  | -0.068 | 0.004  | 0.003  |
| Georgia                                   | -0.038 | -0.005 | -0.003 | -0.019 | -0.005 | 0.006  | -0.018 | -0.000 | -0.008 |
| Kazakhstan                                | 0.012  | -0.003 | -0.004 | -0.084 | -0.001 | -0.004 | 0.096  | -0.001 | -0.000 |
| Kyrgyzstan                                | -0.034 | -0.004 | -0.000 | -0.016 | 0.011  | 0.003  | -0.018 | -0.015 | -0.003 |
| Moldova                                   | -0.036 | -0.019 | -0.002 | -0.076 | -0.013 | -0.007 | 0.040  | -0.006 | 0.005  |
| Russia                                    | -0.053 | 0.000  | -0.001 | -0.078 | -0.002 | 0.003  | 0.025  | 0.002  | -0.004 |
| Tajikistan                                | 0.010  | -0.023 | -0.019 | 0.048  | -0.022 | -0.020 | -0.038 | -0.001 | 0.000  |
| Turkmenistan                              | 0.023  | 0.017  | -0.012 | -0.031 | 0.020  | -0.006 | 0.054  | -0.003 | -0.006 |
| Ukraine                                   | 0.068  | 0.003  | -0.002 | 0.011  | -0.006 | -0.003 | 0.057  | 0.008  | 0.001  |
| Uzbekistan                                | -0.045 | -0.003 | 0.004  | -0.082 | -0.014 | 0.008  | 0.037  | 0.011  | -0.003 |
| <u>Australia-New Zealand</u>              |        |        |        |        |        |        |        |        |        |
| Australia                                 | 0.007  | 0.000  | -0.005 | -0.013 | -0.001 | 0.002  | 0.021  | 0.001  | -0.007 |
| New Zealand                               | 0.000  | -0.002 | -0.000 | 0.003  | 0.002  | 0.001  | -0.003 | -0.004 | -0.002 |
| <u>Southeast Asia</u>                     |        |        |        |        |        |        |        |        |        |
| Cambodia                                  | -0.103 | -0.001 | -0.005 | -0.065 | -0.000 | -0.007 | -0.038 | -0.000 | 0.001  |
| Indonesia                                 | 0.006  | 0.003  | 0.001  | 0.055  | 0.004  | -0.004 | -0.049 | -0.001 | 0.005  |
| Laos                                      | -0.021 | 0.007  | 0.021  | -0.035 | 0.005  | 0.012  | 0.014  | 0.002  | 0.008  |
| Malaysia                                  | -0.037 | 0.004  | 0.000  | -0.013 | 0.006  | 0.000  | -0.024 | -0.001 | 0.000  |
| Myanmar                                   | -0.059 | -0.014 | 0.002  | -0.050 | 0.007  | -0.004 | -0.008 | -0.021 | 0.006  |
| Philippines                               | -0.082 | 0.001  | 0.006  | -0.068 | -0.004 | 0.004  | -0.013 | 0.005  | 0.001  |
| Thailand                                  | -0.014 | -0.008 | -0.003 | -0.071 | -0.005 | -0.003 | 0.056  | -0.003 | -0.000 |
| Vietnam                                   | -0.030 | -0.001 | -0.001 | -0.069 | 0.010  | 0.004  | 0.039  | -0.012 | -0.005 |
| <u>South Asia</u>                         |        |        |        |        |        |        |        |        |        |
| Afghanistan                               | -0.056 | 0.029  | -0.014 | -0.075 | -0.002 | 0.002  | 0.018  | 0.031  | -0.016 |
| Bangladesh                                | 0.023  | 0.014  | -0.008 | 0.019  | 0.014  | -0.004 | 0.004  | 0.000  | -0.004 |
| Bhutan                                    | 0.006  | -0.037 | 0.002  | -0.036 | -0.042 | 0.000  | 0.041  | 0.006  | 0.002  |
| India                                     | -0.003 | 0.001  | -0.012 | -0.037 | -0.012 | -0.005 | 0.035  | 0.013  | -0.007 |
| Nepal                                     | 0.003  | 0.003  | 0.004  | 0.059  | 0.012  | 0.003  | -0.056 | -0.009 | 0.002  |
| Pakistan                                  | 0.046  | 0.008  | -0.004 | -0.003 | 0.004  | -0.002 | 0.048  | 0.004  | -0.002 |
| Sri Lanka                                 | 0.029  | -0.012 | 0.002  | 0.007  | -0.008 | 0.001  | 0.023  | -0.004 | 0.001  |
| <u>East Asia</u>                          |        |        |        |        |        |        |        |        |        |
| China                                     | -0.021 | 0.006  | -0.005 | -0.039 | 0.004  | 0.000  | 0.017  | 0.003  | -0.006 |
| Hong Kong                                 |        |        |        | -0.059 | -0.020 | 0.007  |        |        |        |
| Japan                                     | 0.042  | 0.006  | -0.002 | -0.023 | 0.005  | 0.003  | 0.066  | 0.001  | -0.005 |
| Mongolia                                  | -0.074 | 0.002  | 0.003  | -0.036 | -0.005 | 0.002  | -0.038 | 0.006  | 0.001  |
| South Korea                               | -0.089 | 0.013  | 0.004  | 0.020  | 0.006  | 0.009  | -0.109 | 0.007  | -0.006 |
| <u>Middle East and North Africa</u>       |        |        |        |        |        |        |        |        |        |
| Algeria                                   | 0.088  | 0.008  | -0.001 | 0.000  | 0.003  | -0.020 | 0.088  | 0.004  | 0.019  |

|                           |        |        |        |        |        |        |        |        |        |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Bahrain                   | 0.349  | 0.040  | 0.002  | -0.126 | -0.015 | 0.045  | 0.475  | 0.055  | -0.042 |
| Egypt                     | -0.064 | -0.010 | -0.016 | -0.047 | -0.003 | -0.006 | -0.017 | -0.007 | -0.009 |
| Iran                      | 0.034  | 0.015  | -0.011 | 0.032  | 0.017  | -0.001 | 0.002  | -0.002 | -0.010 |
| Iraq                      | 0.003  | 0.011  | 0.002  | 0.083  | -0.008 | -0.024 | -0.080 | 0.019  | 0.026  |
| Israel                    | -0.052 | -0.003 | 0.009  | -0.031 | 0.007  | -0.011 | -0.021 | -0.010 | 0.020  |
| Jordan                    | 0.050  | 0.004  | 0.010  | -0.033 | 0.012  | -0.006 | 0.083  | -0.008 | 0.016  |
| Kuwait                    | -0.025 | -0.021 | 0.029  | 0.116  | -0.008 | 0.031  | -0.141 | -0.013 | -0.002 |
| Lebanon                   | -0.071 | -0.004 | 0.013  | -0.072 | 0.015  | 0.004  | 0.001  | -0.019 | 0.009  |
| Libya                     | 0.234  | -0.009 | -0.006 | 0.201  | 0.064  | -0.004 | 0.033  | -0.073 | -0.002 |
| Morocco                   | -0.153 | -0.002 | 0.007  | -0.008 | 0.006  | 0.010  | -0.145 | -0.009 | -0.003 |
| Qatar                     |        |        |        | -0.026 |        |        |        |        |        |
| Saudi Arabia              | -0.034 | 0.005  | -0.031 | -0.016 | 0.002  | -0.016 | -0.018 | 0.003  | -0.015 |
| Syria                     | -0.244 | -0.017 | 0.022  | -0.084 | -0.021 | 0.015  | -0.160 | 0.005  | 0.007  |
| Tunisia                   | 0.042  | 0.007  | -0.005 | -0.036 | 0.004  | -0.006 | 0.078  | 0.003  | 0.001  |
| Turkey                    | 0.000  | -0.022 | -0.031 | -0.006 | -0.010 | -0.005 | 0.006  | -0.012 | -0.026 |
| United Arab Emirates      | -0.091 | -0.005 | 0.008  | -0.073 | -0.013 | 0.016  | -0.018 | 0.008  | -0.008 |
| Yemen                     | -0.057 | -0.004 | -0.005 | -0.016 | 0.007  | -0.011 | -0.041 | -0.011 | 0.006  |
| <u>Sub-Saharan Africa</u> |        |        |        |        |        |        |        |        |        |
| Angola                    | 0.415  | 0.025  | -0.023 | 0.195  | 0.068  | 0.006  | 0.220  | -0.043 | -0.029 |
| Benin                     | 0.210  | 0.006  | -0.029 | 0.089  | 0.005  | -0.036 | 0.121  | 0.001  | 0.007  |
| Botswana                  | 0.062  | -0.012 | 0.007  | 0.054  | -0.005 | 0.006  | 0.008  | -0.007 | 0.001  |
| Burkina Faso              | 0.069  | -0.009 | -0.000 | 0.018  | 0.004  | -0.001 | 0.051  | -0.013 | 0.000  |
| Burundi                   | 0.076  | 0.003  | 0.008  | 0.030  | -0.024 | 0.007  | 0.045  | 0.027  | 0.000  |
| Central African Republic  | 0.090  | -0.000 | -0.026 | 0.177  | -0.000 | -0.018 | -0.087 | 0.000  | -0.008 |
| Cameroon                  | -0.046 | 0.011  | -0.007 | -0.029 | -0.005 | 0.005  | -0.017 | 0.016  | -0.012 |
| Chad                      | -0.050 | -0.005 | 0.003  | 0.031  | -0.005 | 0.002  | -0.081 | -0.000 | 0.001  |
| Comoros                   | -0.052 | -0.018 | 0.006  | -0.068 | 0.000  | -0.000 | 0.016  | -0.018 | 0.006  |
| Congo Brazzaville         | 0.080  | -0.016 | -0.001 | -0.024 | 0.008  | -0.008 | 0.104  | -0.024 | 0.006  |
| Congo Kinshasa            | 0.048  | 0.020  | -0.024 | -0.038 | -0.004 | -0.001 | 0.086  | 0.024  | -0.023 |
| Ethiopia                  | 0.049  | 0.023  | -0.023 | 0.067  | 0.004  | -0.019 | -0.018 | 0.020  | -0.005 |
| Gabon                     | -0.177 | -0.006 | 0.002  | -0.063 | -0.013 | 0.010  | -0.114 | 0.007  | -0.008 |
| Ghana                     | -0.092 | -0.005 | -0.007 | 0.056  | -0.001 | -0.006 | -0.148 | -0.004 | -0.001 |
| Guinea                    | 0.011  | -0.004 | -0.009 | 0.104  | -0.001 | 0.004  | -0.093 | -0.003 | -0.013 |
| Ivory Coast               | 0.062  | 0.000  | -0.016 | 0.047  | -0.013 | -0.018 | 0.015  | 0.014  | 0.002  |
| Kenya                     | -0.034 | -0.005 | -0.004 | -0.039 | -0.011 | -0.004 | 0.005  | 0.006  | 0.000  |
| Lesotho                   |        |        |        |        |        |        | -0.031 | 0.013  | 0.014  |
| Liberia                   | -0.014 | 0.005  | -0.013 | 0.089  | -0.005 | -0.013 | -0.104 | 0.010  | -0.000 |
| Madagascar                | 0.064  | 0.010  | 0.001  | 0.062  | 0.016  | -0.001 | 0.003  | -0.006 | 0.002  |
| Malawi                    | -0.060 | 0.002  | -0.002 | 0.069  | 0.002  | -0.014 | -0.129 | 0.000  | 0.011  |
| Mali                      | 0.010  | 0.009  | 0.003  | 0.018  | 0.005  | -0.002 | -0.008 | 0.004  | 0.005  |
| Mauritania                | 0.103  | 0.020  | -0.014 | 0.063  | 0.003  | -0.001 | 0.040  | 0.017  | -0.013 |
| Mauritius                 | 0.133  | 0.031  | -0.010 | -0.048 | -0.001 | -0.002 | 0.181  | 0.032  | -0.007 |
| Mozambique                | -0.000 | -0.005 | 0.010  | -0.022 | 0.005  | 0.012  | 0.022  | -0.010 | -0.001 |
| Namibia                   | -0.221 | 0.052  | 0.000  | -0.031 | 0.013  | 0.007  | -0.190 | 0.039  | -0.007 |
| Niger                     | 0.100  | 0.027  | -0.020 | 0.061  | 0.014  | -0.027 | 0.039  | 0.013  | 0.007  |
| Nigeria                   | 0.011  | -0.000 | 0.004  | -0.007 | -0.000 | -0.003 | 0.018  | -0.000 | 0.006  |

|                                          |        |        |        |        |        |        |        |        |        |
|------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Rwanda                                   | 0.154  | -0.004 | -0.004 | 0.098  | 0.003  | -0.010 | 0.056  | 0.001  | 0.006  |
| Senegal                                  | 0.016  | -0.002 | 0.003  | 0.076  | 0.010  | 0.005  | -0.060 | -0.012 | -0.003 |
| Sierra Leone                             | 0.091  | 0.002  | -0.013 | 0.113  | -0.007 | -0.006 | -0.023 | 0.009  | -0.007 |
| Somalia                                  | 0.129  | -0.048 | -0.028 | 0.063  | 0.008  | 0.028  | 0.066  | -0.056 | -0.056 |
| South Africa                             | 0.027  | -0.005 | -0.003 | -0.014 | -0.008 | -0.004 | 0.041  | 0.003  | 0.001  |
| South Sudan                              | 0.163  | 0.017  | 0.010  | 0.014  | 0.031  | 0.019  | 0.149  | -0.134 | -0.009 |
| Sudan                                    | -0.139 | 0.041  | 0.013  | -0.209 | -0.009 | -0.004 | 0.070  | 0.051  | 0.017  |
| Swaziland                                | 0.027  | -0.003 | 0.004  | -0.073 | -0.000 | 0.007  | 0.100  | -0.002 | -0.003 |
| Tanzania                                 | -0.045 | -0.004 | 0.007  | -0.005 | 0.006  | -0.001 | -0.040 | -0.010 | 0.008  |
| Togo                                     | 0.102  | 0.005  | -0.009 | 0.041  | 0.003  | -0.007 | 0.061  | 0.002  | -0.002 |
| Uganda                                   | 0.022  | -0.005 | -0.005 | -0.044 | -0.009 | -0.002 | 0.066  | 0.004  | -0.003 |
| Zambia                                   | 0.190  | 0.020  | -0.019 | 0.174  | 0.017  | -0.010 | 0.015  | 0.003  | -0.009 |
| Zimbabwe                                 | 0.090  | 0.004  | 0.004  | -0.040 | 0.007  | 0.004  | 0.130  | -0.003 | -0.001 |
| <u>Northern America</u>                  |        |        |        |        |        |        |        |        |        |
| Canada                                   | -0.015 | 0.009  | -0.008 | 0.043  | 0.002  | -0.004 | -0.058 | 0.008  | -0.004 |
| United States                            | -0.006 | -0.001 | -0.003 | 0.045  | 0.006  | -0.003 | -0.050 | -0.006 | 0.000  |
| <u>Latin America &amp; the Caribbean</u> |        |        |        |        |        |        |        |        |        |
| Argentina                                | -0.065 | -0.019 | 0.008  | 0.031  | 0.009  | 0.002  | -0.034 | -0.028 | 0.006  |
| Belize                                   | -0.089 | -0.029 | 0.024  | 0.032  | 0.001  | 0.036  | -0.121 | -0.031 | -0.012 |
| Bolivia                                  | 0.019  | 0.013  | -0.021 | 0.015  | -0.003 | 0.000  | 0.004  | 0.016  | -0.022 |
| Brazil                                   | -0.047 | 0.001  | 0.006  | 0.046  | 0.001  | 0.001  | -0.093 | 0.000  | 0.005  |
| Chile                                    | 0.026  | 0.002  | 0.004  | -0.120 | -0.006 | 0.002  | 0.146  | 0.008  | 0.002  |
| Colombia                                 | 0.081  | 0.004  | 0.011  | -0.008 | 0.004  | -0.001 | 0.089  | -0.000 | 0.012  |
| Costa Rica                               | 0.026  | 0.006  | 0.000  | 0.063  | -0.003 | -0.001 | -0.037 | 0.009  | 0.001  |
| Dominican Republic                       | -0.066 | -0.004 | -0.000 | -0.090 | -0.010 | 0.004  | 0.023  | 0.005  | -0.004 |
| Ecuador                                  | -0.100 | -0.001 | 0.004  | -0.032 | -0.004 | 0.001  | -0.068 | 0.002  | 0.002  |
| El Salvador                              | -0.074 | -0.003 | 0.003  | 0.028  | 0.004  | -0.006 | -0.103 | -0.007 | 0.010  |
| Guatemala                                | -0.046 | 0.005  | 0.012  | 0.028  | -0.003 | -0.007 | -0.074 | 0.008  | 0.019  |
| Haiti                                    | 0.131  | -0.001 | -0.007 | -0.019 | 0.013  | 0.004  | 0.149  | -0.014 | -0.012 |
| Honduras                                 | -0.061 | 0.008  | -0.002 | 0.004  | -0.006 | 0.001  | -0.065 | 0.013  | -0.002 |
| Jamaica                                  | -0.114 | -0.027 | 0.028  | -0.078 | -0.006 | 0.010  | -0.036 | -0.021 | 0.017  |
| Mexico                                   | 0.030  | -0.003 | -0.009 | -0.005 | -0.003 | 0.002  | 0.035  | 0.000  | -0.012 |
| Nicaragua                                | -0.044 | 0.013  | -0.014 | -0.097 | 0.006  | -0.002 | 0.053  | 0.007  | -0.012 |
| Panama                                   | 0.071  | -0.005 | 0.007  | -0.002 | -0.005 | 0.001  | 0.073  | 0.000  | 0.006  |
| Paraguay                                 | 0.019  | -0.007 | -0.009 | -0.034 | -0.003 | -0.002 | 0.053  | -0.004 | -0.006 |
| Peru                                     | 0.141  | 0.023  | -0.004 | -0.055 | -0.001 | -0.004 | 0.196  | 0.024  | 0.000  |
| Puerto Rico                              | 0.126  | 0.018  | 0.007  | 0.262  | 0.057  | 0.016  | -0.136 | -0.039 | -0.009 |
| Trinidad and Tobago                      |        |        |        | -0.051 | -0.014 | 0.015  |        |        |        |
| Uruguay                                  | -0.010 | -0.001 | 0.001  | 0.001  | 0.004  | -0.003 | -0.011 | -0.005 | 0.004  |
| Venezuela                                | -0.099 | -0.000 | 0.008  | 0.001  | -0.001 | 0.003  | -0.100 | 0.004  | 0.005  |

**Note:** Differences presented in shades of green and red represent statistically significant positive and negative trends at the 95% confidence level, respectively. Differences without a green or red shading are not significantly different from zero at the 95% confidence level. Estimates are based on an OLS regression model where a happiness indicator is regressed on a categorical urbanity variable, a continuous year variable, and an urbanity\*year interaction at the individual level (sampling weights used). Country-domicile combinations with fewer than 50 respondents are not reported.

## Appendix I: Blinder-Oaxaca decompositions

The Blinder–Oaxaca decomposition divides the differential of an outcome into two parts, in our case the differences in Cantril Ladder life evaluation scores between urban areas and rural areas. The explained part (Q)—or the “endowments effect”—shows how much of the overall differential in the average life evaluation can be attributed to differences in the level of the explanatory variables (X) between urban and rural areas in a country or world region. Hence, this “endowment effect” reflects the differences in local factors and demographic build-up between the two areas. The unexplained part (U) captures omitted variables as well as changes in estimates of the coefficients, separately for urban and rural areas.

More specifically:

$$\Delta H = [E(X_A) - E(X_B)]' \beta^* + [E(X_A)' (\beta_A - \beta^*) + E(X_B)' (\beta^* - \beta_B)] \quad (\text{Eq 1})$$

*Explained (Q)*                                      *Unexplained (U)*

where  $\Delta H$  is the difference in happiness between urban and rural areas,  $\beta_A$  and  $\beta_B$  are vectors of coefficients estimated using weighted least squares (using sampling and population weights), and  $\beta^*$  is a nondiscriminatory vector of coefficients that is used to determine the contribution of each group of variables to the overall difference of means.

In our Blinder-Oaxaca decompositions, we are (in large part) interested in the contributions of groups of predictors. As decomposition estimates for categorical variables are typically dependent on the selection of the baseline category, we estimated our Blinder-Oaxaca decompositions using normalized effects.

Please note that to impute causation from our estimations would be unwise because of the likely presence of reverse causality; happiness itself can affect income, health, and evaluation of place, for example. One solution to this problem would be to instrument these factors, which is difficult in this exploratory setting. Instead, we suggest our results be interpreted as conditional associations rather than reflecting causal relationships.

**Table I1.** Descriptive Statistics of Variables Included in Blinder-Oaxaca Decompositions.

| <i>Category</i>            | <i>Variable</i>    | <i>Measure (Gallup variable name)</i>                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Individual level</b>    |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Economic situation         | Household income   | Annual Household Income in International Dollars (income_2)                                                                                                                                                                                                                                                                                                                                                                                               |
|                            | Income sufficiency | Which one of these phrases comes closest to your own feelings about your household's income these days: living comfortably on present income, getting by on present income, finding it difficult on present income, or finding it very difficult on present income? (WP2319)                                                                                                                                                                              |
|                            | Unemployed         | Dummy taking the value of 1 if the respondent is unemployed, and 0 otherwise. (EMP_2010)                                                                                                                                                                                                                                                                                                                                                                  |
| Economic optimism          |                    | Right now, do you feel your standard of living is getting better or getting worse? (WP31)                                                                                                                                                                                                                                                                                                                                                                 |
| Education                  | Education level    | Categorical variable indicating whether the respondent completed up to 8 years of education, 9-15 years of education, or more than 15 years of education. (WP3117)                                                                                                                                                                                                                                                                                        |
| Health                     | Health problems    | Do you have any health problems that prevent you from doing any of the things people your age normally can do? Yes/No (WP23)                                                                                                                                                                                                                                                                                                                              |
|                            | Pain               | Did you experience the following feelings during a lot of the day yesterday? How about physical pain? Yes/No (WP68)                                                                                                                                                                                                                                                                                                                                       |
| Social capital             | Social support     | If you were in trouble, do you have relatives or friends you can count on to help you whenever you need them, or not? Yes/No (WP27)                                                                                                                                                                                                                                                                                                                       |
|                            | Civic engagement   | Gallup index (INDEX_CE) with 3 equally weighted items:<br>1. Have you done any of the following in the past month? How about donated money to a charity? Yes/No (WP108)<br>2. Have you done any of the following in the past month? How about volunteered your time to an organization? Yes/No (WP109)<br>3. Have you done any of the following in the past month? How about helped a stranger or someone you didn't know who needed help? Yes/No (WP110) |
| Safety                     |                    | Index with 2 equally weighted items:<br>1. Do you feel safe walking alone at night in the city or area where you live? Yes/No (WP113)<br>2. Within the last 12 months, have you had money or property stolen from you or another household member? Yes/No (WP117)                                                                                                                                                                                         |
| Demographics               | Gender             | Gender: Male/female (WP1219)                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                            | Age & Age^2        | Age in years (WP1220)                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                            | Children           | Children: Yes/No (WP1230R)                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                            | Partner            | Dummy taking the value of 1 if the respondent is married or has a domestic partner, and 0 otherwise. (WP1223)                                                                                                                                                                                                                                                                                                                                             |
| Migrant                    | Migrant            | Born in country: Yes/No (WP4657)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Local place factors</b> |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

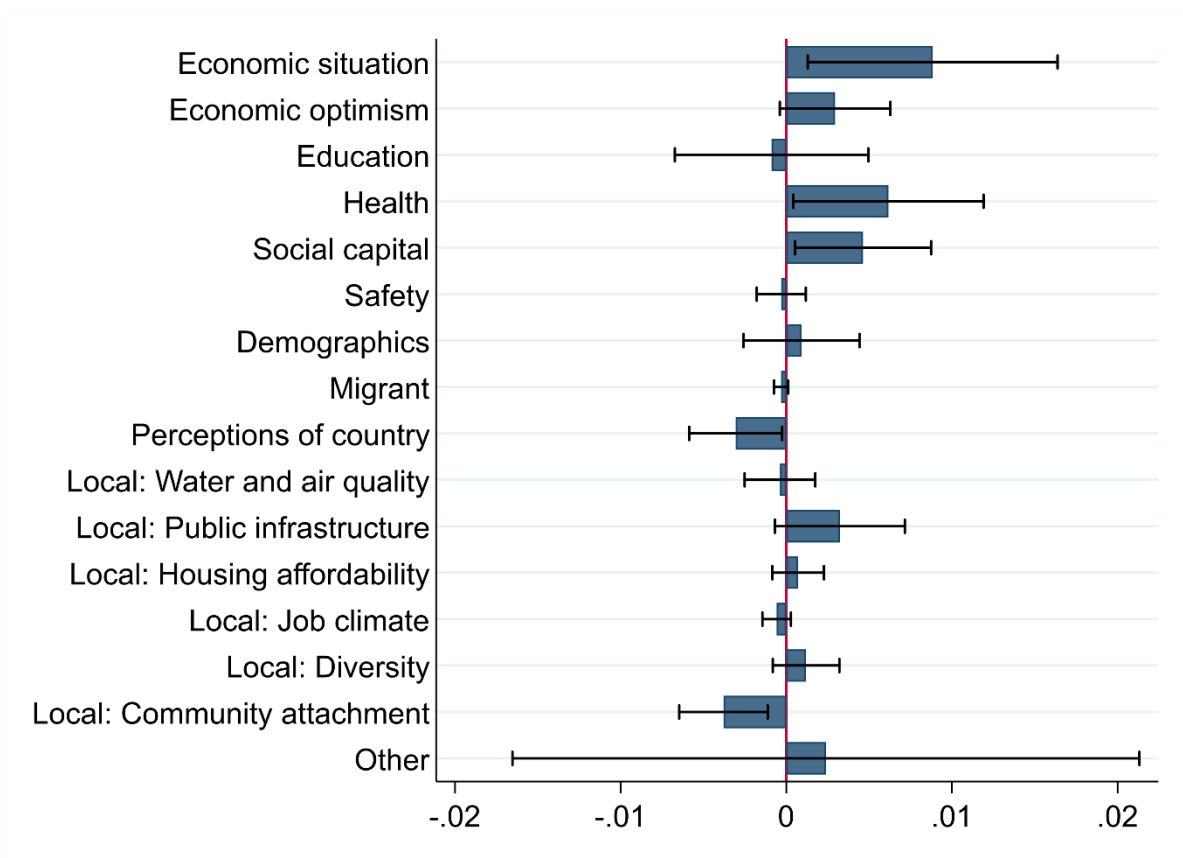
|                                      |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Air and water quality                |            | Index with 2 equally weighted items: <ol style="list-style-type: none"> <li>1. In your city or area where you live, are you satisfied or dissatisfied with the quality of air? (WP94)</li> <li>2. In your city or area where you live, are you satisfied or dissatisfied with the quality of water? (WP95)</li> </ol>                                                                                                                                                                                                                                                                                           |
| Public infrastructure                |            | Index with 4 equally weighted items: <ol style="list-style-type: none"> <li>1. In the city or area where you live, are you satisfied or dissatisfied with the public transportation systems? (WP91)</li> <li>2. In the city or area where you live, are you satisfied or dissatisfied with the roads and highways? (WP92)</li> <li>3. In the city or area where you live, are you satisfied or dissatisfied with the educational system or the schools? (WP93)</li> <li>4. In the city or area where you live, are you satisfied or dissatisfied with the availability of quality healthcare? (WP97)</li> </ol> |
| Housing affordability                |            | In your city or area where you live, are you satisfied or dissatisfied with the availability of good affordable housing? (WP98)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Job climate                          |            | Gallup index (INDEX_JC) with 2 equally weighted items: <ol style="list-style-type: none"> <li>1. Right now, do you think that economic conditions in the city or area where you live, as a whole, are getting better or getting worse? (WP88)</li> <li>2. Thinking about the job situation in the city or area where you live today, would you say that it is now a good time or a bad time to find a job? (WP89)</li> </ol>                                                                                                                                                                                    |
| Community attachment                 |            | Gallup index (INDEX_JC) with 3 equally weighted items: <ol style="list-style-type: none"> <li>1. Are you satisfied or dissatisfied with the city or area where you live? (WP83)</li> <li>2. In the next 12 months, are you likely or unlikely to move away from the city or area where you live? (WP85)</li> <li>3. Would you recommend the city or area where you live to a friend or associate as a place to live, or not? (WP86)</li> </ol>                                                                                                                                                                  |
| Diversity                            |            | Gallup index (INDEX_DI) with 3 equally weighted items: <ol style="list-style-type: none"> <li>1. Is the city or area where you live a good place or not a good place to live for racial and ethnic minorities? (WP103)</li> <li>2. Is the city or areas where you live a good place or not a good place to live for gay or lesbian people? (WP105)</li> <li>3. Is the city or area where you live a good place or not a good place to live for immigrants from other countries? (WP106)</li> </ol>                                                                                                              |
| <b>Country level</b>                 |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Perceptions of conditions in country | Corruption | Gallup index (INDEX_CR) with 2 equally weighted items: <ol style="list-style-type: none"> <li>1. Is corruption widespread within businesses located in [country], or not? (WP145)</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                    |

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|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| National<br>Institutions | <p>2. Is corruption widespread throughout the government in [country], or not? (WP146)</p> <p>Gallup index (INDEX_NI) with 4 equally weighted items:<br/>Do you have confidence in each of the following, or not?</p> <ol style="list-style-type: none"> <li>1. How about the military? (WP137)</li> <li>2. How about the judicial system and courts? (WP138)</li> <li>3. How about the national government? (WP139)</li> <li>4. How about the honesty of elections? (WP144)</li> </ol> |
| Freedom                  | <p>In [country] are you satisfied or dissatisfied with your freedom to choose what you do with your life? (WP134)</p>                                                                                                                                                                                                                                                                                                                                                                   |

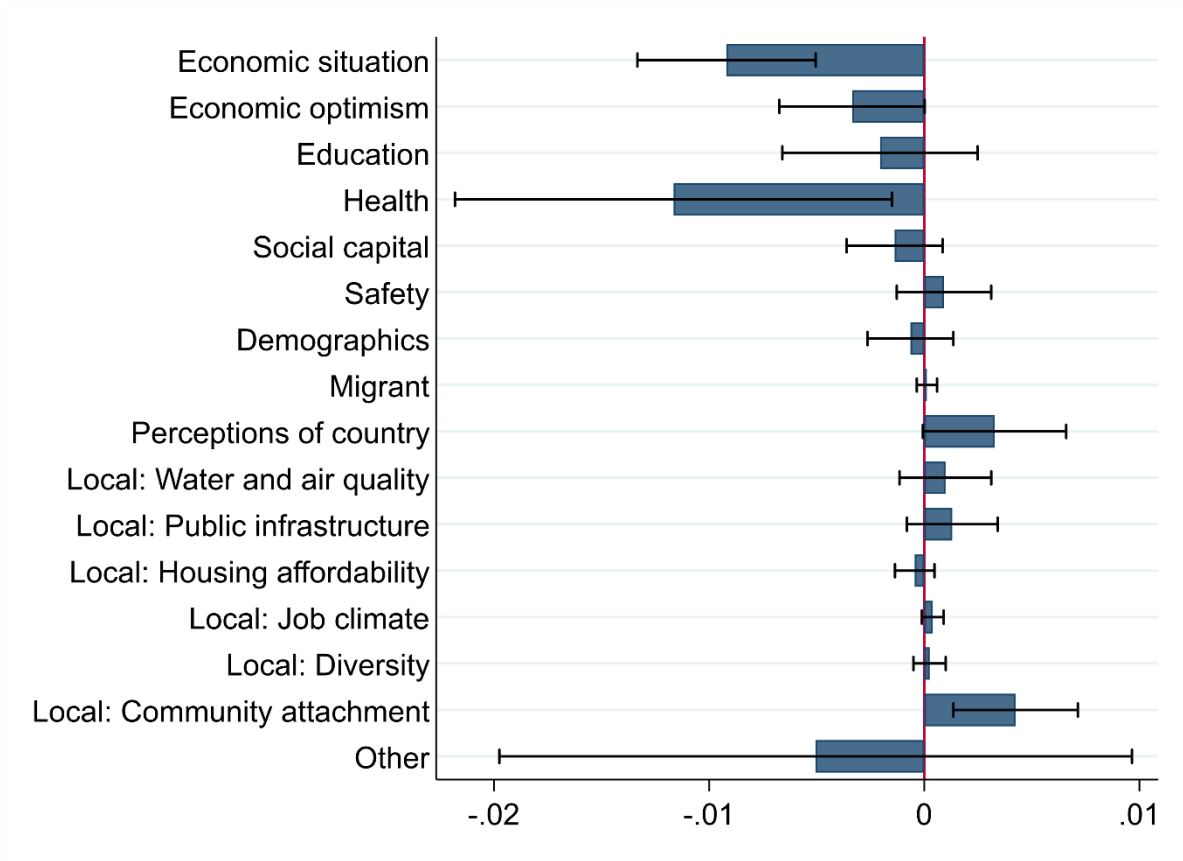
## Appendix J: Blinder-Oaxaca decompositions for Positive and Negative Affect in Sub-Saharan Africa

**Figure J1:** Why is positive affect higher in urban Sub-Saharan Africa than in rural Sub-Saharan Africa? Exploring people-based and place-based factors explaining the urban-rural gap



Figures are weighted using sampling and population weights. N=95,850 individuals. Horizontal lines show a 95% confidence range.

**Figure J2:** Why is negative affect lower in urban Sub-Saharan Africa than in rural Sub-Saharan Africa? Exploring people-based and place-based factors explaining the urban-rural gap



**Note:** Figures are weighted using sampling and population weights. N=96,511 individuals. Horizontal lines show a 95% confidence range.

## Appendix K: Urban happiness paradox – Evidence from the United Kingdom

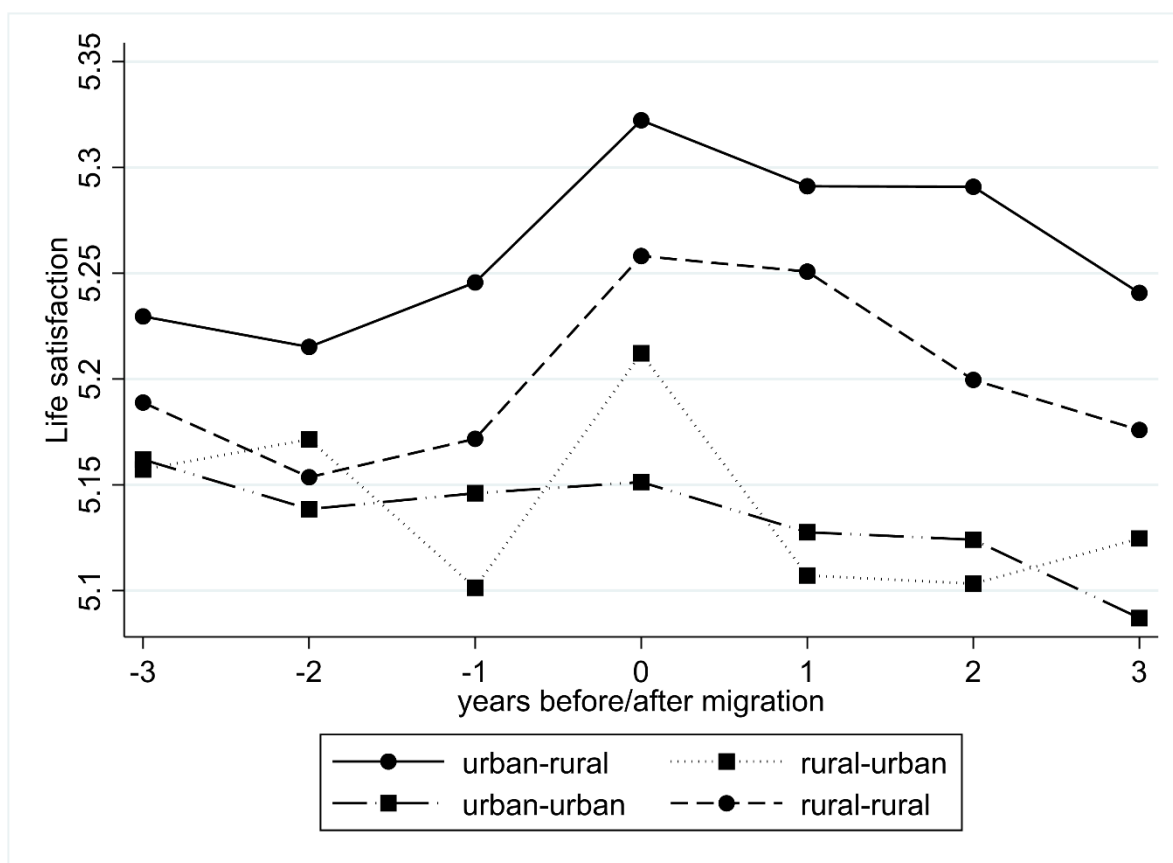
A recent study<sup>1</sup> examines the underlying reasons of urban-rural differences in life satisfaction in the United Kingdom by analyzing to what extent urban unhappiness is driven by a place effect or a selection effect. In other words, do large cities make people less happy or do large cities attract more unhappy people? If there is a place effect, urban-rural differences in life satisfaction can be explained by city characteristics negatively influencing subjective well-being caused by typical urban problems – like crime, congestion and inequality – causing lower levels of individual life satisfaction while the conditions of living in a rural environment – like a more quiet, green and sociable environment – might cause higher levels of life satisfaction. If there is a selection effect, urban unhappiness can be explained by selective migration patterns of people with lower levels of life satisfaction in large cities while smaller cities, suburbs or villages attract people with higher levels of life satisfaction.

Using panel data from the British Household Panel Survey, changes in life satisfaction of the urban and rural population are observed, particularly focusing on migrants who moved from an urban to rural area (or vice versa; see Figure K1). Results suggest that urban-rural differences can be at least partly attributed to a selection effect of less satisfied people into cities. People who are already less satisfied with their life (e.g. unemployed) are more likely to opt for a city life while people who are more satisfied (e.g. higher income people) are more likely to move towards a rural area, driving urban unhappiness. Only in the year of the move, urban-rural migrants reported a significantly higher satisfaction with life, but after two and three years they adapted to their initial life satisfaction level, suggesting that there is not any lasting positive effect of moving towards the countryside. While vice versa, people who opt for city life did not report any lasting negative effect either. At the same time, the relationship between city life and life satisfaction is heterogeneous in that different kinds of people fit best in different kinds of living environments. For students, a move from the countryside to the city is positively associated with the life satisfaction while a move from the countryside to the city is negatively associated with the life satisfaction of people with a non-tertiary education.

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<sup>1</sup> Hoogerbrugge, M. & Burger, M.J. (2019) The urban happiness paradox. Evidence from the United Kingdom. Working Paper, Erasmus University Rotterdam.

**Figure K1: Alterations in life satisfaction prior to and after migration**



**Note:** In this figure we did not take any individual or household controls into account.

## Appendix L: Blinder-Oaxaca decompositions for the rest of the world

**Table L1:** Blinder-Oaxaca estimations for urban-rural differentials by part of the world

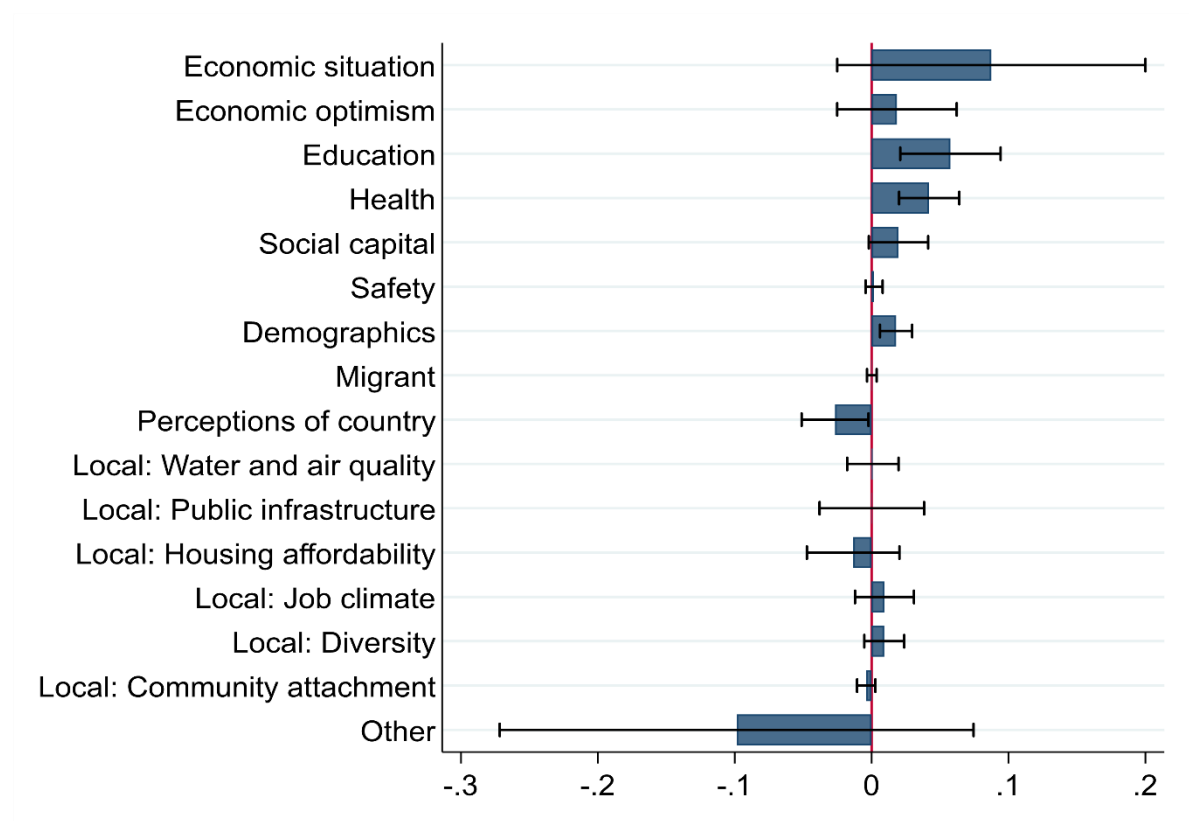
|                    | Urban-Rural Differential* | % Difference Explained by Factors Included** | % Difference Explained by Local Factors*** |
|--------------------|---------------------------|----------------------------------------------|--------------------------------------------|
| Sub-Saharan Africa | 0.71                      | 71%                                          | 8%                                         |
| NWAS               | -0.04                     | -139%                                        | -2%                                        |
| Eastern Europe     | 0.17                      | 70%                                          | 21%                                        |
| Southern Europe    | 0.72                      | 67%                                          | 13%                                        |
| CIS                | 0.28                      | 40%                                          | -29%                                       |
| East Asia          | 0.67                      | 94%                                          | 16%                                        |
| South Asia         | 0.66                      | 90%                                          | 14%                                        |
| Southeast Asia     | 0.41                      | 62%                                          | -5%                                        |
| LAC                | 0.48                      | 61%                                          | 10%                                        |
| MENA               | 0.80                      | 96%                                          | 36%                                        |

\* Positive sign indicates higher urban happiness.

\*\* A negative sign indicates that the included factors increase the urban rural-differential that needs to be explained

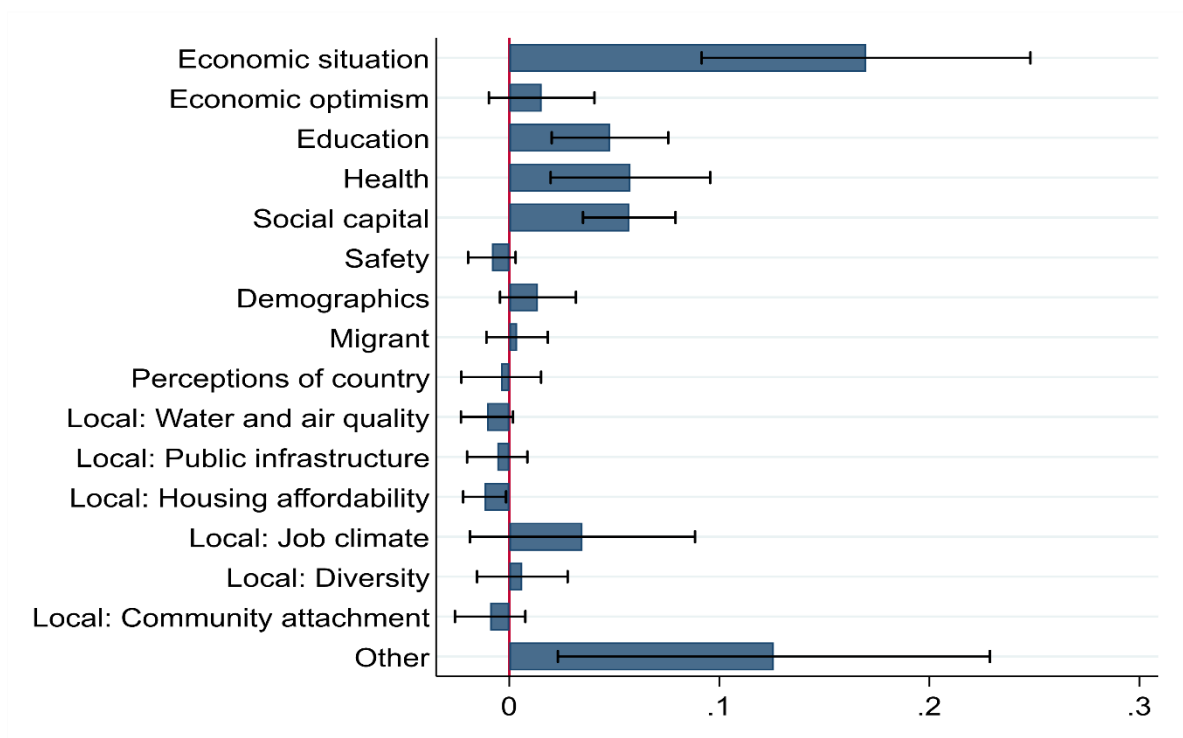
\*\*\* A negative sign indicates that local factors increase the urban rural-differential that needs to be explained

**Figure L1:** Explaining Urban-Rural Life Evaluation Differentials in Eastern Europe



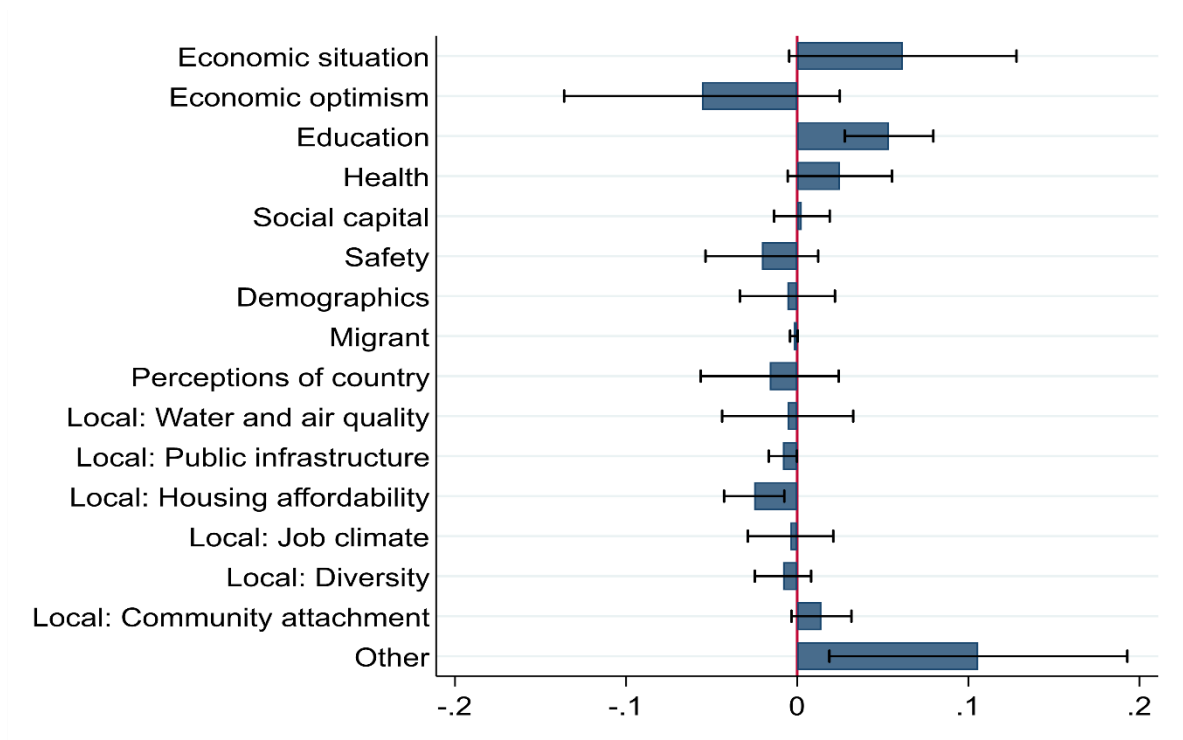
**Note:** Figures are weighted using sampling and population weights. N=27,802 individuals. Horizontal lines show a 95% confidence range.

**Figure L2:** Explaining Urban-Rural Life Evaluation Differentials in Southern Europe



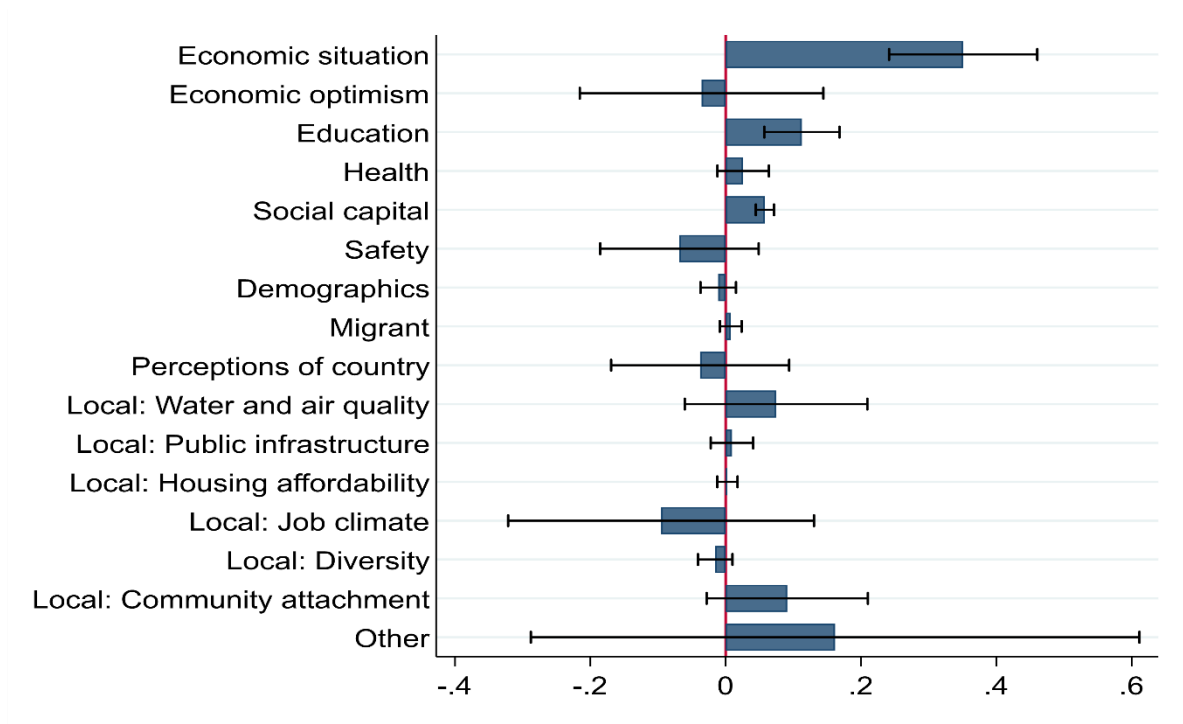
**Note:** Figures are weighted using sampling and population weights. N=36,399 individuals. Horizontal lines show a 95% confidence range.

**Figure L3:** Explaining Urban-Rural Life Evaluation Differentials in the CIS



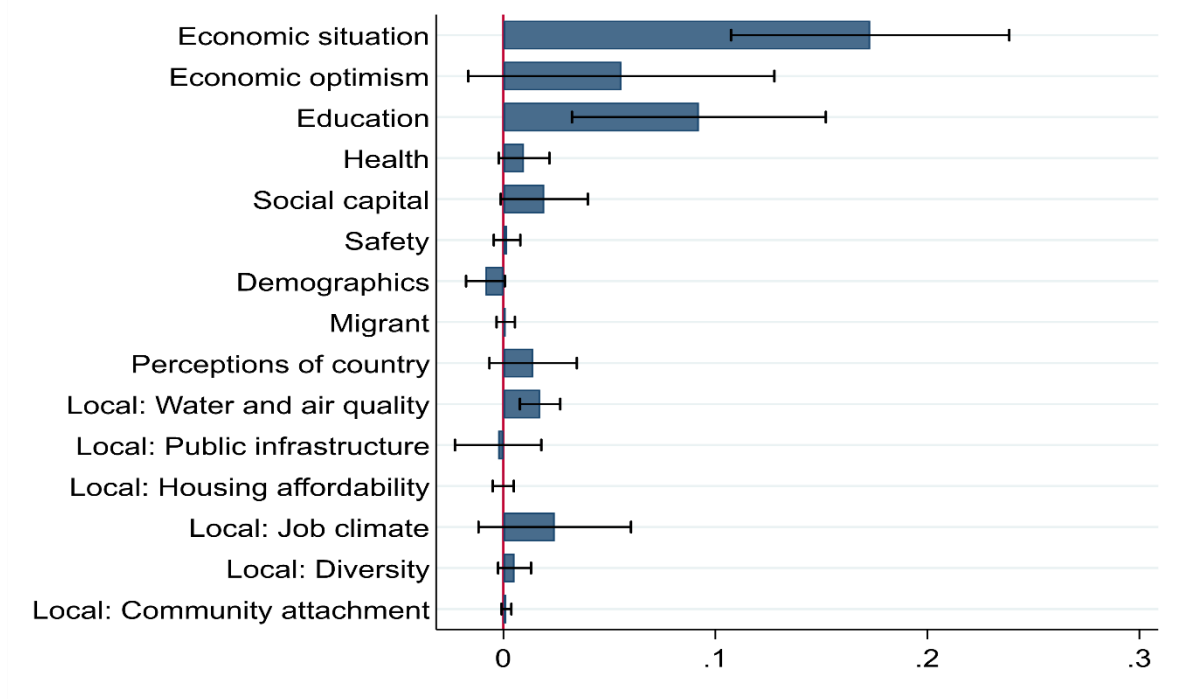
**Note:** Figures are weighted using sampling and population weights. N=52,015 individuals. Horizontal lines show a 95% confidence range.

**Figure L4:** Explaining Urban-Rural Life Evaluation Differentials in East Asia



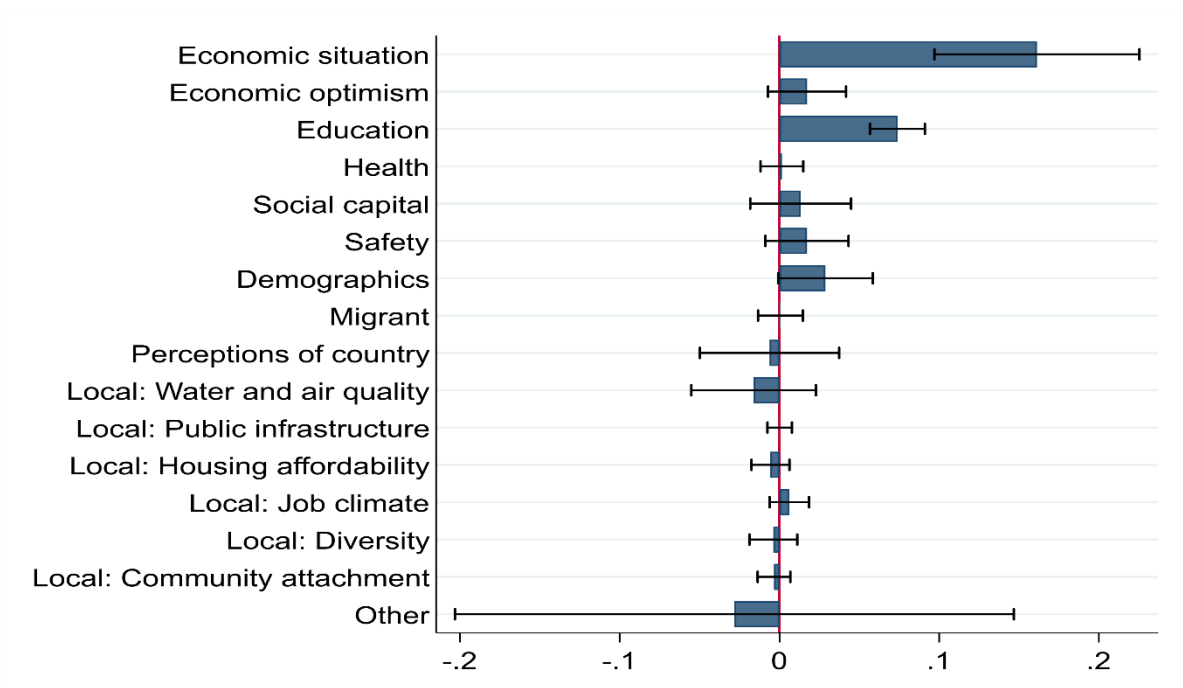
**Note:** Figures are weighted using sampling and population weights. N=32,983 individuals. Horizontal lines show a 95% confidence range.

**Figure L5:** Explaining Urban-Rural Life Evaluation Differentials in South Asia



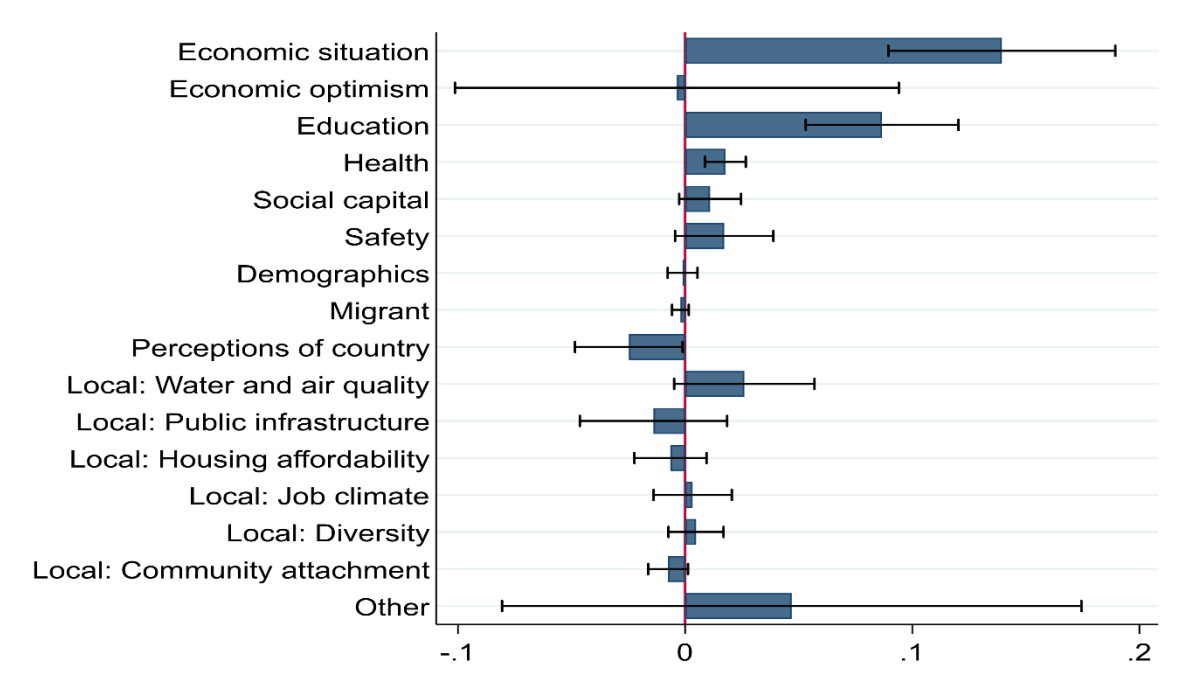
**Note:** Figures are weighted using sampling and population weights. N=29,141 individuals. Horizontal lines show a 95% confidence range. For graphical representation, the category 'Other' has been removed from the graph.

**Figure L6:** Explaining Urban-Rural Life Evaluation Differentials in Southeast Asia



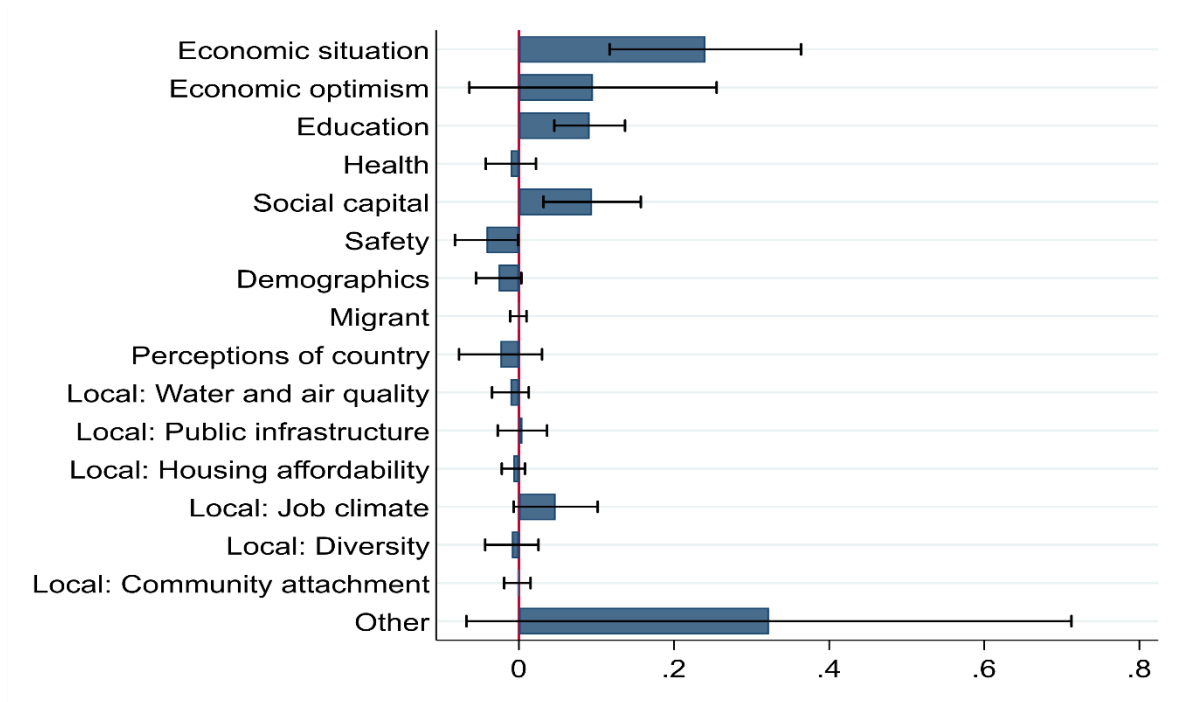
**Note:** Figures are weighted using sampling and population weights. N=27,861 individuals. Horizontal lines show a 95% confidence range.

**Figure L7:** Explaining Urban-Rural Life Evaluation Differentials in Latin America and the Caribbean



**Note:** Figures are weighted using sampling and population weights. N=60,853 individuals. Horizontal lines show a 95% confidence range.

**Figure L8:** Explaining Urban-Rural Life Evaluation Differentials in the Middle East and North Africa



**Note:** Figures are weighted using sampling and population weights. N=68,215 individuals. Horizontal lines show a 95% confidence range.