

The TI-index of corruption, 1995-2010

A description

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Note: This paper is meant as a background paper only. It only looks at the TI-data themselves, and does not try to relate them to other relevant data.

1. Coverage: Years and countries

The TI index is from the NGO: Transparency International: <http://www.transparency.org>. The index goes from 0 for perfect corruption to 10 for perfect honesty. The index covers the 16 years from 1995 to the latest covering 2010 launched 26/10-2010.

The number of countries and years covered are shown in Table 1. Till now 1928 observations of the index has been published. They cover 185 countries for at least one year. This gives 10.4 observations per country, and 120 countries in the average year. As Table 1 and Figure 1 shows the numbers have been going up rather strongly.

Table 1. Number of countries covered by the TI-index

| Year | N | % ^{a)} | Year | N | % ^{a)} |
|------|-----|-----------------|------|------|-----------------|
| 1995 | 41 | 22.2 | 2003 | 133 | 71.9 |
| 1996 | 53 | 28.6 | 2004 | 146 | 78.9 |
| 1997 | 52 | 28.1 | 2005 | 159 | 85.9 |
| 1998 | 85 | 45.9 | 2006 | 163 | 88.1 |
| 1999 | 99 | 53.5 | 2007 | 176 | 95.1 |
| 2000 | 90 | 48.6 | 2008 | 180 | 97.3 |
| 2001 | 91 | 49.2 | 2009 | 180 | 97.3 |
| 2002 | 102 | 55.1 | 2010 | 178 | 96.2 |
| | | | All | 1928 | |

Note a. In per cent of all 185 countries covered at least 1 time

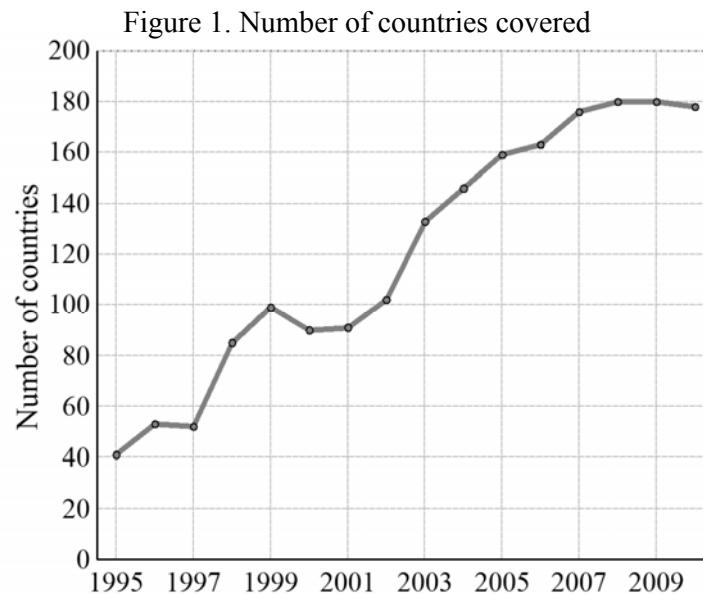


Table 2. Country groups covered

| | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Africa ^{a)} | 1 | 5 | 2 | 15 | 16 | 19 | 15 | 18 | 25 | 30 | 38 | 40 | 47 | 47 | 47 | 47 |
| East Asia | 10 | 9 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 14 | 17 | 17 | 17 | 18 | 18 |
| Latin America | 6 | 8 | 9 | 17 | 17 | 11 | 18 | 21 | 22 | 25 | 26 | 28 | 30 | 31 | 30 | 27 |
| MENA ^{b)} | 1 | 3 | 1 | 5 | 5 | 5 | 4 | 5 | 19 | 19 | 20 | 18 | 17 | 19 | 19 | 19 |
| Oceania ^{c)} | | | | | | | | | 1 | 2 | 3 | 2 | 7 | 7 | 7 | 7 |
| Post-Com | 1 | 4 | 5 | 12 | 25 | 20 | 17 | 20 | 26 | 28 | 28 | 28 | 28 | 29 | 29 | 30 |
| South Asia | 2 | 3 | 2 | 2 | 2 | 1 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| West ^{d)} | 20 | 21 | 22 | 23 | 23 | 23 | 23 | 23 | 24 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| All | 41 | 53 | 52 | 85 | 99 | 90 | 91 | 102 | 133 | 146 | 159 | 163 | 176 | 180 | 180 | 178 |
| Muslim ^{e)} | 4 | 6 | 4 | 8 | 13 | 10 | 11 | 13 | 29 | 30 | 31 | 29 | 28 | 31 | 32 | 33 |

Notes: (a) Sub Sahara. (b) Middle East and North Africa from Morocco to Afghanistan. (c) Including Papua New Guinea. (d) West Europe and the 4 overseas: Canada, USA, Australia and New Zealand. (e) MENA and other countries with a Muslim majority/a Muslim government.

Table 2 shows that the coverage of the West has been rather good throughout. Other parts of the world have only gradually been included. Note the classification at the left hand column and the explanatory notes. This classification is used from now. As can be inferred from Table 2 the countries that are covered all years are dominated by DCs.

Table 3. The 39 countries, which are included all 16 years

| | | |
|---------|----|---|
| West | 20 | <i>Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Italy Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, UK, USA</i> |
| E. Asia | 9 | <i>China, Hong Kong, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, Thailand</i> |
| La. Am. | 6 | <i>Argentina, Brazil, Chile, Colombia, Mexico, Venezuela</i> |
| Others | 4 | <i>Hungary, India, South Africa, Turkey</i> |

Note: The 25 countries in italics are DCs (developed countries). The remaining 14 countries are LDCs (less developed countries by the World Bank classification).

2. Averages and distribution

All 1928 corruption scores have the average 4.34 as shown in Table 3. The most deviating group is the West, which is unusually honest. It is sometimes claimed that Muslim countries are either less or more corrupt. They are certainly more corrupt than the West, and they are also more corrupt than other countries, even if the West is excluded.

Table 3. Some statistics for the country groups and all observations

| | Avr | Std | St er | N | | Avr | Std | St er | N |
|-----------|-------|-------|-------|-----|-------------------------|-------|-------|-------|------|
| Africa SS | 2.906 | 1.081 | 0.053 | 412 | South Asia | 2.553 | 0.640 | 0.084 | 58 |
| East Asia | 4.587 | 2.269 | 0.157 | 210 | West | 7.786 | 1.508 | 0.078 | 377 |
| Latin | 3.667 | 1.455 | 0.081 | 326 | Aggregates | | | | |
| MENA | 3.807 | 1.350 | 0.101 | 179 | All | 4.344 | 2.280 | 0.052 | 1928 |
| Oceania | 3.197 | 0.935 | 0.156 | 36 | Muslim | 3.113 | 1.288 | 0.064 | 404 |
| Post-Com | 3.455 | 1.239 | 0.068 | 330 | Non W & M ^{a)} | 3.647 | 1.579 | 0.047 | 1147 |

Note: *Avr* is average, *Std* is standard deviation and *St er* is standard error. (a) Exclusive West and Muslim.

A more systematic analysis of the pattern of differences between the group averages are made in Table 4. The t-ratios given are the “unpaired t-test” from Stata. The tests show that most of the averages are different. The West differs by t-ratios in the range of 50 to 18. This is rather dramatic, but also East Asia differs substantially.

Table 4. Differences between averages in every two groups

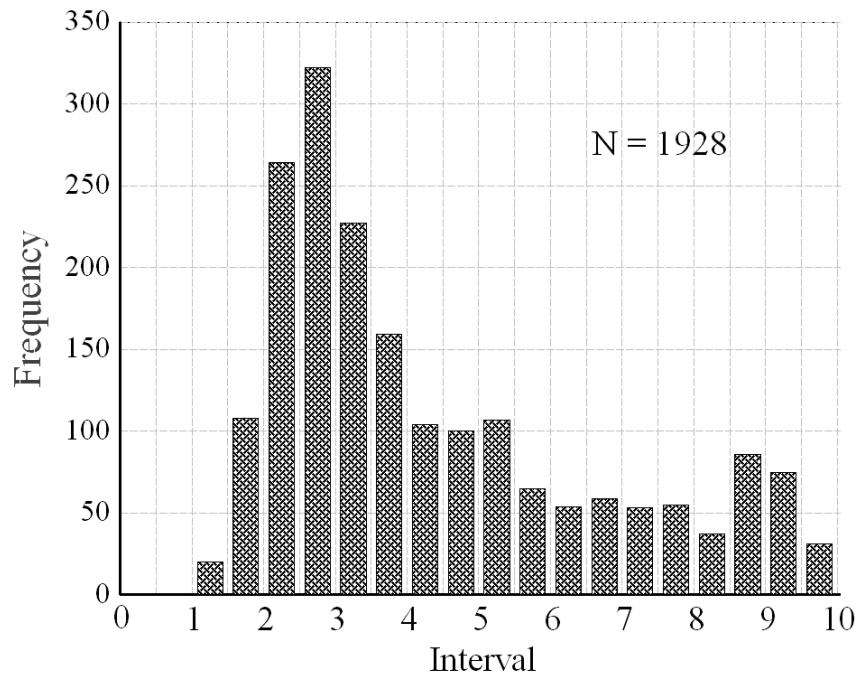
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
|-----|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| | Africa SS | East Asia | Lat. Am. | MENA | Oceania | Post-Com | South Asia | West |
| | dif (t-test) | dif (t-test) | dif (t-test) | dif (t-test) | dif (t-test) | dif (t-test) | dif (t-test) | dif (t-test) |
| (1) | | 1.68 (12.5) | 0.76 (8.1) | 0.90 (8.6) | 0.29 (1.6) | 0.55 (6.4) | -0.35 (-2.4) | 4.88 (52.5) |
| (2) | -1.68 (-12.5) | | -0.92 (-5.7) | -0.78 (-4.0) | -1.39 (-3.6) | -1.13 (-7.5) | -2.03 (-6.7) | 3.20 (20.4) |
| (3) | -0.76 (-8.1) | 0.92 (5.7) | | 0.14 (1.1) | -0.47 (-1.9) | -0.21 (-2.0) | -1.11 (-5.7) | 4.12 (36.7) |
| (4) | -0.90 (-8.6) | 0.78 (4.0) | -0.14 (-1.1) | | -0.61 (-2.6) | -0.35 (-3.0) | -1.25 (-6.8) | 3.98 (30.0) |
| (5) | -0.29 (-1.6) | 1.39 (3.6) | 0.47 (1.9) | 0.61 (2.6) | | 0.26 (1.2) | -0.64 (-3.9) | 4.59 (17.9) |
| (6) | -0.55 (-6.4) | 1.13 (7.5) | 0.21 (2.0) | 0.35 (3.0) | -0.26 (-1.2) | | -0.90 (-5.4) | 4.33 (41.3) |
| (7) | 0.35 (2.4) | 2.03 (6.7) | 1.11 (5.7) | 1.25 (6.8) | 0.64 (3.9) | 0.90 (5.4) | | 5.23 (26.0) |
| (8) | -4.88 (-52.5) | -3.20 (-20.4) | -4.12 (-36.7) | -3.98 (-30.0) | -4.59 (-17.9) | -4.33 (-41.3) | -5.23 (-26.0) | |

Note: Dif is calculated from Table 4 as the difference the average in the column group minus the average in the row group. The difference is tested against zero, with a standard t-test as explained in the text.

Table 5. Normality tests of the observations from the 8 groups

| | N | Normality Tests in % | | |
|------------|-----|-----------------------|---------------------|------------------------|
| | | Skewness- kurtosis | Shapiro- Wilks W | Shapiro- Francia W' |
| Africa | 412 | 0.00 | 0.00 | 0.00 |
| East Asia | 210 | 0.01 | 0.00 | 0.00 |
| La. Am. | 326 | 0.00 | 0.00 | 0.00 |
| MENA | 179 | 0.89 | 0.04 | 0.14 |
| Oceania | 36 | 3.55 | 9.69 | 8.24 |
| P-Com | 330 | 0.01 | 0.00 | 0.00 |
| South Asia | 58 | 0.92 | 1.32 | 1.49 |
| West | 377 | 0.00 | 0.00 | 0.00 |

Figure 2. The distribution of all 1928 observations



The test limits for the tests in Table 4 only applies strictly if the distributions are normal. Figure 2 shows the distribution of all observations – it is obviously non-normal.

Table 5 shows that also the distribution of the observations for the eight groups are non-normal. Only the 36 observations from Oceania are normally distributed. For all other groups, with more observations, normality is rejected at the 1% probability level, often even at the 0.01% level.

3. Trends over time: Rising and falling corruption

The TI-index is calculated from a set of primary indices after a calibration and averaging process. It reduces the trends in the individual indices. Thus, it is problematic what a trend means in the data except as a relative measure. Figure 3 and 4 consider the observed trend in the TI-index, for all observations and for the 39 countries covered all 16 years.

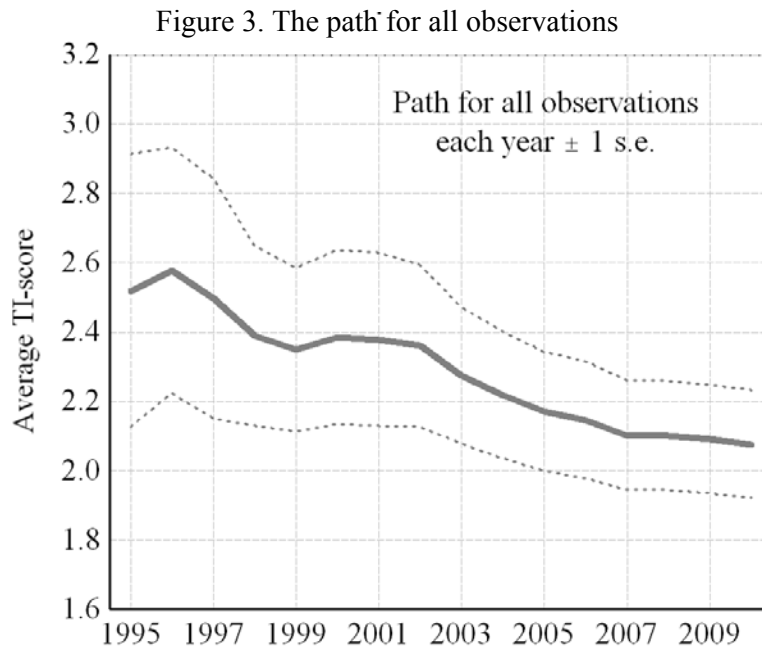
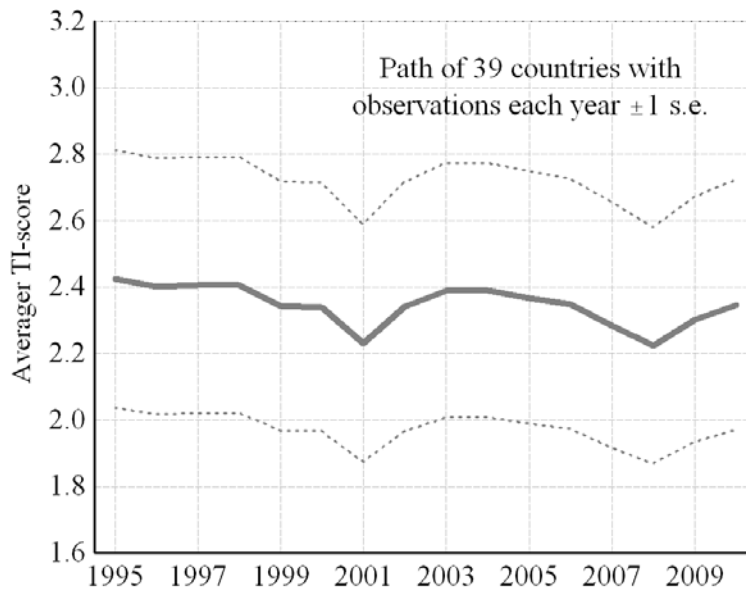


Figure 4. The path for the 39 countries with observations every year



While there is a clear trend on Figure 3 there is none on Figure 4. This suggests a *trend-hypothesis*: The trend on Figure 3 is due exclusively to selection of countries. That is, as time passes more LDCs countries with high corruption is included into the index.

If the hypothesis is accepted all trends are relative. To study the (relative) trends in the data of each country a distribution free trend score is calculated as Kendall's rank correlation coefficient τ between the year and the available observations for the TI-index for the country. For four countries there are only one or two observations for the index, but for 181 countries a trend score can be calculated. Stata gives two τ -values τ_a and τ_b , which correct for ties. For the TI-data the two τ 's only differ marginally. The p-value uses τ_a .

Table A2 gives a set of statistics for each country, including the two τ 's and the p-value. Tables 6 and 7 survey the data for the countries. The average (4.00) given in Table 6 is smaller than the average (4.34) in Table 3 as the countries with missing observations are typically LDC's with high corruption. They get a higher weight in Table 6.

Table 6. The basic statistics for the 181 countries, with more than 2 observations

| | Average | STD | St Er | Max | Min | Range |
|---------|---------|------|-------|------|------|-------|
| Average | 4.00 | 0.35 | 0.11 | 4.56 | 3.44 | 1.13 |
| Max | 9.54 | 0.99 | 0.27 | 10.0 | 9.3 | 2.8 |
| Min | 1.34 | 0.04 | 0.02 | 1.9 | 0.4 | 0.1 |

Table 7. The Kendall's τ calculations for the 181 countries

| | N | Kendall's τ | | P(τ_a) % | Kendall's score | |
|---------|-------|------------------|----------|-----------------|-----------------|----------|
| | | τ_a | τ_b | | Positive | Negative |
| Sum | 1922 | | | | 2041 | |
| Average | 10.42 | -0.03 | -0.03 | 30.8 | | |
| Max | 16 | 0.91 | 0.93 | 100 | Net | 133 |
| Min | 3 | -1.00 | -1.00 | 0 | τ | 0.03 |

Table 7 looks at the Kendall trend scores. The important point to note is the three aggregate τ 's calculated are all three close to zero, and they have even different signs. Thus, the trend-hypothesis based on Figures 3 and 4 above is confirmed.

From Appendix Table A2 it appears that many countries do have trends in their TI-scores. Table 8 has two panels: The left-hand side holds the 41 countries with significant increases in corruption, and the right-hand side holds the 35 countries with significant decreases.

Table 8. Countries with trends, measured by $p(\tau)$ in % as explained in text

| The 41 countries with increasing corruption | | | | | | The 35 countries with falling corruption | | | | | |
|---|---------------|------|-------|-------|----|--|---------------|------|-------|-------|----|
| Country | P(τ) % | Avr. | St Er | Range | M | Country | P(τ) % | Avr | St Er | Range | M |
| 1 Israel | 0.0 | 6.73 | 0.17 | 2.1 | 15 | 1 Uruguay | 0.0 | 5.71 | 0.27 | 2.8 | 13 |
| 2 Philippines | 0.0 | 2.72 | 0.09 | 1.3 | 16 | 2 Hong Kong | 0.0 | 7.89 | 0.11 | 1.4 | 16 |
| 3 Venezuela | 0.1 | 2.38 | 0.07 | 0.9 | 16 | 3 Latvia | 0.0 | 3.99 | 0.18 | 2.3 | 13 |
| 4 Zimbabwe | 0.1 | 2.69 | 0.19 | 2.4 | 13 | 4 Japan | 0.1 | 6.99 | 0.14 | 2.0 | 16 |
| 5 USA | 0.2 | 7.51 | 0.05 | 0.7 | 16 | 5 Austria | 0.1 | 7.90 | 0.10 | 1.6 | 16 |
| 6 Sudan | 0.3 | 1.89 | 0.10 | 0.8 | 8 | 6 South Korea | 0.2 | 4.68 | 0.14 | 1.8 | 16 |
| 7 Iran | 0.3 | 2.54 | 0.14 | 1.2 | 8 | 7 Serbia | 0.2 | 2.81 | 0.20 | 2.2 | 11 |
| 8 Peru | 0.3 | 3.83 | 0.11 | 1.2 | 13 | 8 Thailand | 0.3 | 3.31 | 0.06 | 1.0 | 16 |
| 9 Tunisia | 0.5 | 4.80 | 0.10 | 1.1 | 12 | 9 Qatar | 0.3 | 6.24 | 0.27 | 2.5 | 8 |
| 10 South Africa | 0.6 | 4.90 | 0.09 | 1.3 | 16 | 10 Nigeria | 0.3 | 1.78 | 0.14 | 2.0 | 15 |
| 11 Trinidad | 0.6 | 4.09 | 0.22 | 2.1 | 9 | 11 Slovenia | 0.4 | 6.12 | 0.13 | 1.5 | 12 |
| 12 Uzbekistan | 0.6 | 2.13 | 0.12 | 1.3 | 12 | 12 Indonesia | 0.4 | 2.19 | 0.10 | 1.1 | 15 |
| 12 Bahrain | 0.6 | 5.48 | 0.15 | 1.2 | 8 | 12 Taiwan | 0.5 | 5.56 | 0.07 | 0.9 | 16 |
| 14 Jamaica | 0.7 | 3.52 | 0.10 | 1.0 | 11 | 14 Bangladesh | 0.5 | 1.75 | 0.18 | 2.0 | 11 |
| 15 Botswana | 0.8 | 5.88 | 0.07 | 1.0 | 13 | 15 Albania | 0.5 | 2.76 | 0.12 | 1.1 | 10 |
| 16 Belize | 0.9 | 3.57 | 0.22 | 1.6 | 6 | 16 Tanzania | 0.6 | 2.60 | 0.11 | 1.3 | 13 |
| 17 Malta | 1.0 | 6.03 | 0.20 | 1.6 | 7 | 17 Slovakia | 0.6 | 4.15 | 0.13 | 1.5 | 13 |
| 18 Congo, Bra | 1.1 | 2.39 | 0.26 | 2.4 | 8 | 18 India | 0.7 | 2.98 | 0.07 | 0.9 | 16 |
| 19 Luxembourg | 1.5 | 8.57 | 0.05 | 0.8 | 14 | 19 China | 0.7 | 3.25 | 0.10 | 1.4 | 16 |
| 20 Belarus | 1.9 | 3.12 | 0.27 | 2.8 | 12 | 20 Georgia | 0.9 | 2.88 | 0.25 | 2.3 | 10 |
| 21 Macao | 2.8 | 5.60 | 0.24 | 1.6 | 5 | 21 Ghana | 1.0 | 3.59 | 0.07 | 0.8 | 13 |
| 22 Iraq | 2.9 | 1.78 | 0.12 | 0.9 | 8 | 22 Azerbaijan | 1.3 | 2.02 | 0.08 | 0.9 | 12 |
| 23 Mongolia | 3.2 | 3.06 | 0.17 | 1.6 | 8 | 23 Macedonia | 1.4 | 3.17 | 0.19 | 1.8 | 9 |
| 24 Denmark | 3.3 | 9.54 | 0.06 | 0.7 | 16 | 24 Colombia | 1.6 | 3.39 | 0.14 | 1.8 | 16 |
| 25 Côte d'Ivoire | 4.0 | 2.31 | 0.10 | 1.2 | 13 | 25 Lithuania | 2.2 | 4.64 | 0.10 | 1.2 | 12 |
| 26 Syria | 4.2 | 2.84 | 0.17 | 1.3 | 8 | 26 Estonia | 2.2 | 6.08 | 0.12 | 1.2 | 13 |
| 27 Malaysia | 4.4 | 5.01 | 0.06 | 0.9 | 16 | 27 Paraguay | 2.8 | 2.05 | 0.10 | 1.1 | 11 |
| 28 Yemen | 4.6 | 2.43 | 0.07 | 0.6 | 8 | 28 Guyana | 4.0 | 2.58 | 0.03 | 0.2 | 6 |
| 29 Sri Lanka | 4.7 | 3.29 | 0.06 | 0.6 | 9 | 29 Singapore | 4.2 | 9.19 | 0.05 | 0.7 | 16 |
| 30 Canada | 4.9 | 8.85 | 0.06 | 0.8 | 16 | 30 Niger | 4.8 | 2.54 | 0.09 | 0.7 | 7 |
| 31 Malawi | 7.0 | 3.21 | 0.15 | 1.4 | 13 | 31 Cameroon | 5.9 | 2.08 | 0.08 | 1.1 | 14 |
| 32 UK | 7.2 | 8.38 | 0.09 | 1.1 | 16 | 32 Belgium | 6.2 | 6.74 | 0.19 | 2.3 | 16 |
| 33 Namibia | 7.3 | 4.78 | 0.15 | 1.6 | 13 | 33 Seychelles | 8.5 | 4.41 | 0.16 | 1.2 | 7 |
| 34 Norway | 7.9 | 8.73 | 0.07 | 1.2 | 16 | 34 Liberia | 8.6 | 2.62 | 0.22 | 1.2 | 5 |
| 35 Kuwait | 8.1 | 4.58 | 0.12 | 1.2 | 8 | 35 Romania | 8.7 | 3.20 | 0.11 | 1.2 | 14 |
| 36 Nepal | 8.5 | 2.50 | 0.07 | 0.6 | 7 | | | | | | |
| 37 Mauritania | 8.6 | 2.66 | 0.12 | 0.8 | 5 | | | | | | |
| 38 Afghanistan | 8.6 | 1.70 | 0.19 | 1.2 | 5 | | | | | | |
| 39 Comoros | 8.9 | 2.38 | 0.10 | 0.5 | 4 | | | | | | |
| 40 Maldives | 8.9 | 2.73 | 0.19 | 1.0 | 4 | | | | | | |
| 41 Congo, Kin | 9.5 | 1.98 | 0.05 | 0.5 | 8 | | | | | | |

The two panels are divided in three sections by the shading: With trend scores below the 1% limit, between 1 and 5% and between 5 and 10%. Table 9 study if there is a pattern in the countries of the two panels. The main difference is in the bottom section of the Table, so the average $P(\tau)$ differ. What is more interesting, is that the average of corruption in the two groups is the same.

Table 9. Summary statistics for the countries with rising and falling corruption

| 41 countries with increasing corruption | | | | | | 35 countries with falling corruption | | | | | |
|---|-------------|--------|--------|--------|--------|--------------------------------------|-------------|--------|--------|--------|--------|
| | $P(\tau)$ % | Avr | St Er | Range | M | | $P(\tau)$ % | Avr | St Er | Range | M |
| Avr | 3.45 | 4.22 | 0.13 | 1.22 | 10.71 | Average | 2.02 | 4.11 | 0.13 | 1.46 | 12.66 |
| STD | 3.25 | 2.22 | 0.06 | 0.53 | 3.93 | STD | 2.61 | 1.96 | 0.06 | 0.59 | 3.22 |
| St Er | 0.51 | 0.35 | 0.01 | 0.08 | 0.61 | SE | 0.14 | 0.10 | 0.00 | 0.03 | 0.55 |
| Correlation matrix | | | | | | Correlation matrix | | | | | |
| $P(\tau)$ % | 1 | -0.072 | -0.153 | -0.375 | -0.327 | $P(\tau)$ % | 1 | -0.092 | -0.045 | -0.322 | -0.391 |
| Avr | -0.072 | 1 | -0.274 | -0.075 | 0.559 | Avr | -0.092 | 1 | 0.047 | 0.182 | 0.364 |
| St Er | -0.153 | -0.274 | 1 | 1 | -0.463 | St Er | -0.045 | 0.047 | 1 | 0.864 | -0.322 |
| Range | -0.375 | -0.075 | 0.826 | 1 | 0.039 | Range | -0.322 | 0.182 | 0.864 | 1 | 0.104 |
| M | -0.327 | 0.559 | -0.463 | 0.039 | 1 | M | -0.391 | 0.364 | -0.322 | 0.104 | 1 |

Thus the TI-data appears to have rather clear patterns. Some of these patterns are well understood already, but others are not. Notably it appears that the trends in the country scores are difficult to understand.

Appendix: The TI-data and main statistics for all countries

Table A1.1. Data for countries 1 Afghanistan to 40 Croatia

| | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 Afghanistan | | | | | | | | | | | 2.5 | | 1.8 | 1.5 | 1.3 | 1.4 |
| 2 Albania | | | | | 2.3 | | | 2.5 | 2.5 | 2.5 | 2.4 | 2.6 | 2.9 | 3.4 | 3.2 | 3.3 |
| 3 Algeria | | | | | | | | | 2.6 | 2.7 | 2.8 | 3.1 | 3.0 | 3.2 | 2.8 | 2.9 |
| 4 Angola | | | | | | 1.7 | | 1.7 | 1.8 | 2.0 | 2.0 | 2.2 | 2.2 | 1.9 | 1.9 | 1.9 |
| 5 Argentina | 5.2 | 3.4 | 2.8 | 3.0 | 3.0 | 3.5 | 3.5 | 2.8 | 2.5 | 2.5 | 2.8 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 6 Armenia | | | | | 2.5 | 2.5 | | | 3.0 | 3.1 | 2.9 | 2.9 | 3.0 | 2.9 | 2.7 | 2.6 |
| 7 Australia | 8.8 | 8.6 | 8.9 | 8.7 | 8.7 | 8.3 | 8.5 | 8.6 | 8.8 | 8.8 | 8.8 | 8.7 | 8.6 | 8.7 | 8.7 | 8.7 |
| 8 Austria | 7.1 | 7.6 | 7.6 | 7.5 | 7.6 | 7.7 | 7.8 | 7.8 | 8.0 | 8.4 | 8.7 | 8.6 | 8.1 | 8.1 | 7.9 | 7.9 |
| 9 Azerbaijan | | | | | 1.7 | 1.5 | 2.0 | 2.0 | 1.8 | 1.9 | 2.2 | 2.4 | 2.1 | 1.9 | 2.3 | 2.4 |
| 10 Bahrain | | | | | | | | | 6.1 | 5.8 | 5.8 | 5.7 | 5.0 | 5.4 | 5.1 | 4.9 |
| 11 Bangladesh | | 2.3 | | | | | 0.4 | 1.2 | 1.3 | 1.5 | 1.7 | 2.0 | 2.0 | 2.1 | 2.4 | 2.4 |
| 12 Barbados | | | | | | | | | | 7.3 | 6.9 | 6.7 | 6.9 | 7.0 | 7.4 | 7.8 |
| 13 Belarus | | | | 3.9 | 3.4 | 4.1 | | 4.8 | 4.2 | 3.3 | 2.6 | 2.1 | 2.1 | 2.0 | 2.4 | 2.5 |
| 14 Belgium | 6.9 | 6.8 | 5.3 | 5.4 | 5.3 | 6.1 | 6.6 | 7.1 | 7.6 | 7.5 | 7.4 | 7.3 | 7.1 | 7.3 | 7.1 | 7.1 |
| 15 Belize | | | | | | | | | 4.5 | 3.8 | 3.7 | 3.5 | 3.0 | 2.9 | | |
| 16 Benin | | | | | | | | | | 3.2 | 2.9 | 2.5 | 2.7 | 3.1 | 2.9 | 2.8 |
| 17 Bhutan | | | | | | | | | | | | 6.0 | 5.0 | 5.2 | 5.0 | 5.7 |
| 18 Bolivia | | 3.4 | 2.1 | 2.8 | 2.5 | 2.7 | 2.0 | 2.2 | 2.3 | 2.2 | 2.5 | 2.7 | 2.9 | 3.0 | 2.7 | 2.8 |
| 19 Bosnia | | | | | | | | | 3.3 | 3.1 | 2.9 | 2.9 | 3.3 | 3.2 | 3.0 | 3.2 |
| 20 Botswana | | | | 6.1 | 6.1 | 6.0 | 6.0 | 6.4 | 5.7 | 6.0 | 5.9 | 5.6 | 5.4 | 5.8 | 5.6 | 5.8 |
| 21 Brazil | 2.7 | 3.0 | 3.6 | 4.0 | 4.1 | 3.9 | 4.0 | 4.0 | 3.9 | 3.9 | 3.7 | 3.3 | 3.5 | 3.5 | 3.7 | 3.7 |
| 22 Brunei | | | | | | | | | | | | | | | 5.5 | 5.5 |
| 23 Bulgaria | | | | 2.9 | 3.3 | 3.5 | 3.9 | 4.0 | 3.9 | 4.1 | 4.0 | 4.0 | 4.1 | 3.6 | 3.8 | 3.6 |
| 24 Burkina | | | | | | 3.0 | | | | | 3.4 | 3.2 | 2.9 | 3.5 | 3.6 | 3.1 |
| 25 Burundi | | | | | | | | | | | 2.3 | 2.4 | 2.5 | 1.9 | 1.8 | 1.8 |
| 26 Cambodia | | | | | | | | | | | 2.3 | 2.1 | 2.0 | 1.8 | 2.0 | 2.1 |
| 27 Cameroon | | 2.5 | | 1.4 | 1.5 | 2.0 | 2.0 | 2.2 | 1.8 | 2.1 | 2.2 | 2.3 | 2.4 | 2.3 | 2.2 | 2.2 |
| 28 Canada | 8.9 | 9.0 | 9.1 | 9.2 | 9.2 | 9.2 | 8.9 | 9.0 | 8.7 | 8.5 | 8.4 | 8.5 | 8.7 | 8.7 | 8.7 | 8.9 |
| 29 Cap Verde | | | | | | | | | | | | | 4.9 | 5.1 | 5.1 | 5.1 |
| 30 CAR | | | | | | | | | | | | 2.4 | 2.0 | 2.0 | 2.0 | 2.1 |
| 31 Chad | | | | | | | | | | 1.7 | 1.7 | 2.0 | 1.8 | 1.6 | 1.6 | 1.7 |
| 32 Chile | 7.9 | 6.8 | 6.1 | 6.8 | 6.9 | 7.4 | 7.5 | 7.5 | 7.4 | 7.4 | 7.3 | 7.3 | 7.0 | 6.9 | 6.7 | 7.2 |
| 33 China | 2.2 | 2.4 | 2.9 | 3.5 | 3.4 | 3.1 | 3.5 | 3.5 | 3.4 | 3.4 | 3.2 | 3.3 | 3.5 | 3.6 | 3.6 | 3.5 |
| 34 Colombia | 3.4 | 2.7 | 2.2 | 2.2 | 2.9 | 3.2 | 3.8 | 3.6 | 3.7 | 3.8 | 4.0 | 3.9 | 3.8 | 3.8 | 3.7 | 3.5 |
| 35 Comoros | | | | | | | | | | | | | 2.6 | 2.5 | 2.3 | 2.1 |
| 36 Congo, Bra | | | | | | | | | 4.3 | 2.3 | 2.3 | 2.2 | 2.1 | 1.9 | 1.9 | 2.1 |
| 37 Congo, Kin | | | | | | | | | 2.2 | 2.0 | 2.1 | 2.0 | 1.9 | 1.7 | 1.9 | 2.0 |
| 38 Costa Rica | | | 6.5 | 5.6 | 5.1 | 5.4 | 4.5 | 4.5 | | 4.9 | 4.2 | 4.1 | 5.0 | 5.1 | 5.3 | 5.3 |
| 39 Côte | | | | 3.1 | 2.6 | 2.7 | 2.4 | 2.7 | 2.1 | 2.0 | 1.9 | 2.1 | 2.1 | 2.0 | 2.1 | 2.2 |
| 40 Croatia | | | | | 2.7 | 3.7 | 3.9 | 3.8 | 3.7 | 3.5 | 3.4 | 3.4 | 4.1 | 4.4 | 4.1 | 4.1 |

Table A1.2. Data for countries 41 Cuba to 40 Italy

| | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 41 Cuba | | | | | | | | | 4.6 | 3.7 | 3.8 | 3.5 | 4.2 | 4.3 | 4.4 | 3.7 |
| 42 Cyprus | | | | | | | | | 6.1 | 5.4 | 5.7 | 5.6 | 5.3 | 6.4 | 6.6 | 6.3 |
| 43 Czech R | | 5.4 | 5.2 | 4.8 | 4.6 | 4.3 | 3.9 | 3.7 | 3.9 | 4.2 | 4.3 | 4.8 | 5.2 | 5.2 | 4.9 | 4.6 |
| 44 Denmark | 9.3 | 9.3 | 9.9 | 10.0 | 10.0 | 9.8 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.4 | 9.3 | 9.3 | 9.3 |
| 45 Djibouti | | | | | | | | | | | | | 2.9 | 3.0 | 2.8 | 3.2 |
| 46 Dominica | | | | | | | | | | | | 4.5 | 5.6 | 6.0 | 5.9 | 5.2 |
| 47 Dominican R | | | | | | | 3.1 | 3.5 | 3.3 | 2.9 | 3.0 | 2.8 | 3.0 | 3.0 | 3.0 | 3.0 |
| 48 Ecuador | | 3.2 | | 2.3 | 2.4 | 2.6 | 2.3 | 2.2 | 2.2 | 2.4 | 2.5 | 2.3 | 2.1 | 2.0 | 2.2 | 2.5 |
| 49 Egypt | | 2.8 | | 2.9 | 3.3 | 3.1 | 3.6 | 3.4 | 3.3 | 3.2 | 3.4 | 3.3 | 2.9 | 2.8 | 2.8 | 3.1 |
| 50 El Salvador | | | | 3.6 | 3.9 | 4.1 | 3.6 | 3.4 | 3.7 | 4.2 | 4.2 | 4.0 | 4.0 | 3.9 | 3.4 | 3.6 |
| 51 Equat. Guinea | | | | | | | | | | | 1.9 | 2.1 | 1.9 | 1.7 | 1.8 | 1.9 |
| 52 Eritrea | | | | | | | | | | 2.6 | 2.6 | 2.9 | 2.8 | 2.6 | 2.6 | 2.6 |
| 53 Estonia | | | | 5.7 | 5.7 | 5.7 | 5.6 | 5.6 | 5.5 | 6.0 | 6.4 | 6.7 | 6.5 | 6.6 | 6.6 | 6.5 |
| 54 Ethiopia | | | | | | 3.7 | | 3.5 | 2.5 | 2.3 | 2.2 | 2.4 | 2.4 | 2.6 | 2.7 | 2.7 |
| 55 Fiji | | | | | | | | | | | 4.0 | | | | | |
| 56 Finland | 9.1 | 9.1 | 9.5 | 9.6 | 9.8 | 10.0 | 9.9 | 9.7 | 9.7 | 9.7 | 9.6 | 9.6 | 9.4 | 9.0 | 8.9 | 9.2 |
| 57 France | 7.0 | 7.0 | 6.7 | 6.7 | 6.6 | 6.7 | 6.7 | 6.3 | 6.9 | 7.1 | 7.5 | 7.4 | 7.3 | 6.9 | 6.9 | 6.8 |
| 58 Gabon | | | | | | | | | | 3.3 | 2.9 | 3.0 | 3.3 | 3.1 | 2.9 | 2.8 |
| 59 Gambia | | | | | | | | | 2.5 | 2.8 | 2.7 | 2.5 | 2.3 | 1.9 | 2.9 | 3.8 |
| 60 Georgia | | | | | 2.3 | | | 2.4 | 1.8 | 2.0 | 2.3 | 2.8 | 3.4 | 3.9 | 4.1 | 3.8 |
| 61 Germany | 8.1 | 8.3 | 8.2 | 7.9 | 8.0 | 7.6 | 7.4 | 7.3 | 7.7 | 8.2 | 8.2 | 8.0 | 7.8 | 7.9 | 8.0 | 7.9 |
| 62 Ghana | | | | 3.3 | 3.3 | 3.5 | 3.4 | 3.9 | 3.3 | 3.6 | 3.5 | 3.3 | 3.7 | 3.9 | 3.9 | 4.1 |
| 63 Greece | 4.0 | 5.0 | 5.4 | 4.9 | 4.9 | 4.9 | 4.2 | 4.2 | 4.3 | 4.3 | 4.3 | 4.4 | 4.6 | 4.7 | 3.8 | 3.5 |
| 64 Grenada | | | | | | | | | | | | 3.5 | 3.4 | | | |
| 65 Guatemala | | | | 3.1 | 3.2 | | 2.9 | 2.5 | 2.4 | 2.2 | 2.5 | 2.6 | 2.8 | 3.1 | 3.4 | 3.2 |
| 66 Guinea | | | | | | | | | | | | 1.9 | 1.9 | 1.6 | 1.8 | 2.0 |
| 67 Guinea- | | | | | | | | | | | | | 2.2 | 1.9 | 1.9 | 2.1 |
| 68 Guyana | | | | | | | | | | | 2.5 | 2.5 | 2.6 | 2.6 | 2.6 | 2.7 |
| 69 Haiti | | | | | | | | 2.2 | 1.5 | 1.5 | 1.8 | 1.8 | 1.6 | 1.4 | 1.8 | 2.2 |
| 70 Honduras | | | | 1.7 | 1.8 | | 2.7 | 2.7 | 2.3 | 2.3 | 2.6 | 2.5 | 2.5 | 2.6 | 2.5 | 2.4 |
| 71 Hong Kong | 7.1 | 7.0 | 7.3 | 7.8 | 7.7 | 7.7 | 7.9 | 8.2 | 8.0 | 8.0 | 8.3 | 8.3 | 8.3 | 8.1 | 8.2 | 8.4 |
| 72 Hungary | 4.1 | 4.9 | 5.2 | 5.0 | 5.2 | 5.2 | 5.3 | 4.9 | 4.8 | 4.8 | 5.0 | 5.2 | 5.3 | 5.1 | 5.1 | 4.7 |
| 73 Iceland | | | | 9.3 | 9.2 | 9.1 | 9.2 | 9.4 | 9.6 | 9.5 | 9.7 | 9.6 | 9.2 | 8.9 | 8.7 | 8.5 |
| 74 India | 2.8 | 2.6 | 2.8 | 2.9 | 2.9 | 2.8 | 2.7 | 2.7 | 2.8 | 2.8 | 2.9 | 3.3 | 3.5 | 3.4 | 3.4 | 3.3 |
| 75 Indonesia | 1.9 | | 2.7 | 2.0 | 1.7 | 1.7 | 1.9 | 1.9 | 1.9 | 2.0 | 2.2 | 2.4 | 2.3 | 2.6 | 2.8 | 2.8 |
| 76 Iran | | | | | | | | | 3.0 | 2.9 | 2.9 | 2.7 | 2.5 | 2.3 | 1.8 | 2.2 |
| 77 Iraq | | | | | | | | | 2.2 | 2.1 | 2.2 | 1.9 | 1.5 | 1.3 | 1.5 | 1.5 |
| 78 Ireland | 8.6 | 8.5 | 8.3 | 8.2 | 7.7 | 7.2 | 7.5 | 6.9 | 7.5 | 7.5 | 7.4 | 7.4 | 7.5 | 7.7 | 8.0 | 8.0 |
| 79 Israel | | 7.7 | 8.0 | 7.1 | 6.8 | 6.6 | 7.6 | 7.3 | 7.0 | 6.4 | 6.3 | 5.9 | 6.1 | 6.0 | 6.1 | 6.1 |
| 80 Italy | 3.0 | 3.4 | 5.0 | 4.6 | 4.7 | 4.6 | 5.5 | 5.2 | 5.3 | 4.8 | 5.0 | 4.9 | 5.2 | 4.8 | 4.3 | 3.9 |

Table A1.3. Data for countries 81 Jamaica to 120 Niger

| | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 81 Jamaica | | | | 3.8 | 3.8 | | | 4.0 | 3.8 | 3.3 | 3.6 | 3.7 | 3.3 | 3.1 | 3.0 | 3.3 |
| 82 Japan | 6.7 | 7.0 | 6.6 | 5.8 | 6.0 | 6.4 | 7.1 | 7.1 | 7.0 | 6.9 | 7.3 | 7.6 | 7.5 | 7.3 | 7.7 | 7.8 |
| 83 Jordan | | 4.9 | | 4.7 | 4.4 | 4.6 | 4.9 | 4.5 | 4.6 | 5.3 | 5.7 | 5.3 | 4.7 | 5.1 | 5.0 | 4.7 |
| 84 Kazakhstan | | | | | 2.3 | 3.0 | 2.7 | 2.3 | 2.4 | 2.2 | 2.6 | 2.6 | 2.1 | 2.2 | 2.7 | 2.9 |
| 85 Kenya | | 2.2 | | 2.5 | 2.0 | 2.1 | 2.0 | 1.9 | 1.9 | 2.1 | 2.1 | 2.2 | 2.1 | 2.1 | 2.2 | 2.1 |
| 86 Kiribati | | | | | | | | | | | | | 3.3 | 3.1 | 2.8 | 3.2 |
| 87 Kosovo | | | | | | | | | | | | | | | | 2.8 |
| 88 Kuwait | | | | | | | | | 5.3 | 4.6 | 4.7 | 4.8 | 4.3 | 4.3 | 4.1 | 4.5 |
| 89 Kyrgyzstan | | | | | 2.2 | | | | 2.1 | 2.2 | 2.3 | 2.2 | 2.1 | 1.8 | 1.9 | 2.0 |
| 90 Laos | | | | | | | | | | | 3.3 | 2.6 | 1.9 | 2.0 | 2.0 | 2.1 |
| 91 Latvia | | | | 2.7 | 3.4 | 3.4 | 3.4 | 3.7 | 3.8 | 4.0 | 4.2 | 4.7 | 4.8 | 5.0 | 4.5 | 4.3 |
| 92 Lebanon | | | | | | | | | 3.0 | 2.7 | 3.1 | 3.6 | 3.0 | 3.0 | 2.5 | 2.5 |
| 93 Lesotho | | | | | | | | | | | 3.4 | 3.2 | 3.3 | 3.2 | 3.3 | 3.5 |
| 94 Liberia | | | | | | | | | | | 2.2 | | 2.1 | 2.4 | 3.1 | 3.3 |
| 95 Libya | | | | | | | | | 2.1 | 2.5 | 2.5 | 2.7 | 2.5 | 2.6 | 2.5 | 2.2 |
| 96 Lithuania | | | | | 3.8 | 4.1 | 4.8 | 4.8 | 4.7 | 4.6 | 4.8 | 4.8 | 4.8 | 4.6 | 4.9 | 5.0 |
| 97 Luxembourg | | | 8.6 | 8.7 | 8.8 | 8.6 | 8.7 | 9.0 | 8.7 | 8.4 | 8.5 | 8.6 | 8.4 | 8.3 | 8.2 | 8.5 |
| 98 Macao | | | | | | | | | | | | 6.6 | 5.7 | 5.4 | 5.3 | 5.0 |
| 99 Macedonia | | | | | 3.3 | | | | 2.3 | 2.7 | 2.7 | 2.7 | 3.3 | 3.6 | 3.8 | 4.1 |
| 100 Madagascar | | | | | | | | 1.7 | 2.6 | 3.1 | 2.8 | 3.1 | 3.2 | 3.4 | 3.0 | 2.6 |
| 101 Malawi | | | | 4.1 | 4.1 | 4.1 | 3.2 | 2.9 | 2.8 | 2.8 | 2.8 | 2.7 | 2.7 | 2.8 | 3.3 | 3.4 |
| 102 Malaysia | 5.3 | 5.3 | 5.0 | 5.3 | 5.1 | 4.8 | 5.0 | 4.9 | 5.2 | 5.0 | 5.1 | 5.0 | 5.1 | 5.1 | 4.5 | 4.4 |
| 103 Maldives | | | | | | | | | | | | | 3.3 | 2.8 | 2.5 | 2.3 |
| 104 Mali | | | | | | | | | 3.0 | 3.2 | 2.9 | 2.8 | 2.7 | 3.1 | 2.8 | 2.7 |
| 105 Malta | | | | | | | | | | 6.8 | 6.6 | 6.4 | 5.8 | 5.8 | 5.2 | 5.6 |
| 106 Mauritania | | | | | | | | | | | | 3.1 | 2.6 | 2.8 | 2.5 | 2.3 |
| 107 Mauritius | | | | 5.0 | 4.9 | 4.7 | 4.5 | 4.5 | 4.4 | 4.1 | 4.2 | 5.1 | 4.7 | 5.5 | 5.4 | 5.4 |
| 108 Mexico | 3.2 | 3.3 | 2.7 | 3.3 | 3.4 | 3.3 | 3.7 | 3.6 | 3.6 | 3.6 | 3.5 | 3.3 | 3.5 | 3.6 | 3.3 | 3.1 |
| 109 Moldova | | | | | 2.6 | 2.6 | 3.1 | 2.1 | 2.4 | 2.3 | 2.9 | 3.2 | 2.8 | 2.9 | 3.3 | 2.9 |
| 110 Mongolia | | | | | 4.3 | | | | | 3.0 | 3.0 | 2.8 | 3.0 | 3.0 | 2.7 | 2.7 |
| 111 Montenegro | | | | | | | | | | | | | 3.3 | 3.4 | 3.9 | 3.7 |
| 112 Morocco | | | | 3.7 | 4.1 | 4.7 | | 3.7 | 3.3 | 3.2 | 3.2 | 3.2 | 3.5 | 3.5 | 3.3 | 3.4 |
| 113 Mozambique | | | | | 3.5 | 2.2 | | | 2.7 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.5 | 2.7 |
| 114 Myanmar | | | | | | | | | 1.6 | 1.7 | 1.8 | 1.9 | 1.4 | 1.3 | 1.4 | 1.4 |
| 115 Namibia | | | | 5.3 | 5.3 | 5.4 | 5.4 | 5.7 | 4.7 | 4.1 | 4.3 | 4.1 | 4.5 | 4.5 | 4.5 | 4.4 |
| 116 Nepal | | | | | | | | | | 2.8 | 2.5 | 2.5 | 2.5 | 2.7 | 2.3 | 2.2 |
| 117 Netherlands | 8.7 | 8.7 | 9.0 | 9.0 | 9.0 | 8.9 | 8.8 | 9.0 | 8.9 | 8.7 | 8.6 | 8.7 | 9.0 | 8.9 | 8.9 | 8.8 |
| 118 New Zealand | 9.6 | 9.4 | 9.2 | 9.4 | 9.4 | 9.4 | 9.4 | 9.5 | 9.5 | 9.6 | 9.6 | 9.6 | 9.4 | 9.3 | 9.4 | 9.3 |
| 119 Nicaragua | | | | 3.0 | 3.1 | | 2.4 | 2.5 | 2.6 | 2.7 | 2.6 | 2.6 | 2.6 | 2.5 | 2.5 | 2.5 |
| 120 Niger | | | | | | | | | | 2.2 | 2.4 | 2.3 | 2.6 | 2.8 | 2.9 | 2.6 |

Table A1.4. Data for countries 121 Nigeria to 160 Switzerland

| | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 121 Nigeria | | 0.7 | 1.8 | 1.9 | 1.6 | 1.2 | 1.0 | 1.6 | 1.4 | 1.6 | 1.9 | 2.2 | 2.2 | 2.7 | 2.5 | 2.4 |
| 122 Norway | 8.6 | 8.9 | 8.9 | 9.0 | 8.9 | 9.1 | 8.6 | 8.5 | 8.8 | 8.9 | 8.9 | 8.8 | 8.7 | 7.9 | 8.6 | 8.6 |
| 123 Oman | | | | | | | | | 6.3 | 6.1 | 6.3 | 5.4 | 4.7 | 5.5 | 5.5 | 5.3 |
| 124 Pakistan | 2.3 | 1.0 | 2.5 | 2.7 | 2.2 | | 2.3 | 2.6 | 2.5 | 2.1 | 2.1 | 2.2 | 2.4 | 2.5 | 2.4 | 2.3 |
| 125 Palestine | | | | | | | | | 3.0 | 2.5 | 2.6 | | | | | |
| 126 Panama | | | | | | | 3.7 | 3.0 | 3.4 | 3.7 | 3.5 | 3.1 | 3.2 | 3.4 | 3.4 | 3.6 |
| 127 Papua NG | | | | | | | | | 2.1 | 2.6 | 2.3 | 2.4 | 2.0 | 2.0 | 2.1 | 2.1 |
| 128 Paraguay | | | | 1.5 | 2.0 | | | 1.7 | 1.6 | 1.9 | 2.1 | 2.6 | 2.4 | 2.4 | 2.1 | 2.2 |
| 129 Peru | | | | 4.5 | 4.5 | 4.4 | 4.1 | 4.0 | 3.7 | 3.5 | 3.5 | 3.3 | 3.5 | 3.6 | 3.7 | 3.5 |
| 130 Philippines | 2.8 | 2.7 | 3.1 | 3.3 | 3.6 | 2.8 | 2.9 | 2.6 | 2.5 | 2.6 | 2.5 | 2.5 | 2.5 | 2.3 | 2.4 | 2.4 |
| 131 Poland | | 5.6 | 5.1 | 4.6 | 4.2 | 4.1 | 4.1 | 4.0 | 3.6 | 3.5 | 3.4 | 3.7 | 4.2 | 4.6 | 5.0 | 5.3 |
| 132 Portugal | 5.6 | 6.5 | 7.0 | 6.5 | 6.7 | 6.4 | 6.3 | 6.3 | 6.6 | 6.3 | 6.5 | 6.6 | 6.5 | 6.1 | 5.8 | 6.0 |
| 133 Puerto Rico | | | | | | | | | | | | | | 5.8 | 5.8 | 5.0 |
| 134 Qatar | | | | | | | | | 5.6 | 5.2 | 5.9 | 6.0 | 6.0 | 6.5 | 7.0 | 7.7 |
| 135 Romania | | | 3.4 | 3.0 | 3.3 | 2.9 | 2.8 | 2.6 | 2.8 | 2.9 | 3.0 | 3.1 | 3.7 | 3.8 | 3.8 | 3.7 |
| 136 Russia | | 2.6 | 2.3 | 2.4 | 2.4 | 2.1 | 2.3 | 2.7 | 2.7 | 2.8 | 2.4 | 2.5 | 2.3 | 2.1 | 2.2 | 2.1 |
| 137 Rwanda | | | | | | | | | | | 3.1 | 2.5 | 2.8 | 3.0 | 3.3 | 4.0 |
| 138 Saint Lucia | | | | | | | | | | | | | 6.8 | 7.1 | 7.0 | |
| 139 Saint Vincent | | | | | | | | | | | | | 6.1 | 6.5 | 6.4 | |
| 140 Samoa | | | | | | | | | | | | | 4.5 | 4.4 | 4.5 | 4.1 |
| 141 Sao Tome | | | | | | | | | | | | | 2.7 | 2.7 | 2.8 | 3.0 |
| 142 Saudi Arabia | | | | | | | | | 4.5 | 3.4 | 3.4 | 3.3 | 3.4 | 3.5 | 4.3 | 4.7 |
| 143 Senegal | | | | 3.3 | 3.4 | 3.5 | 2.9 | 3.1 | 3.2 | 3.0 | 3.2 | 3.3 | 3.6 | 3.4 | 3.0 | 2.9 |
| 144 Serbia | | | | 3.0 | 2.0 | 1.3 | | | 2.3 | 2.7 | 2.8 | 3.0 | 3.4 | 3.4 | 3.5 | 3.5 |
| 145 Seychelles | | | | | | | | | | 4.4 | 4.0 | 3.6 | 4.5 | 4.8 | 4.8 | 4.8 |
| 146 Sierra Leone | | | | | | | | | 2.2 | 2.3 | 2.4 | 2.2 | 2.1 | 1.9 | 2.2 | 2.4 |
| 147 Singapore | 9.3 | 8.8 | 8.7 | 9.1 | 9.1 | 9.1 | 9.2 | 9.3 | 9.4 | 9.3 | 9.4 | 9.4 | 9.3 | 9.2 | 9.2 | 9.3 |
| 148 Slovakia | | | | 3.9 | 3.7 | 3.5 | 3.7 | 3.7 | 3.7 | 4.0 | 4.3 | 4.7 | 4.9 | 5.0 | 4.5 | 4.3 |
| 149 Slovenia | | | | | 6.0 | 5.5 | 5.2 | 6.0 | 5.9 | 6.0 | 6.1 | 6.4 | 6.6 | 6.7 | 6.6 | 6.4 |
| 150 Solomons | | | | | | | | | | | | | 2.8 | 2.9 | 2.8 | 2.8 |
| 151 Somalia | | | | | | | | | | | 2.1 | | 1.4 | 1.0 | 1.1 | 1.1 |
| 152 South Africa | 5.6 | 5.7 | 5.0 | 5.2 | 5.0 | 5.0 | 4.8 | 4.8 | 4.4 | 4.6 | 4.5 | 4.6 | 5.1 | 4.9 | 4.7 | 4.5 |
| 153 South Korea | 4.3 | 5.0 | 4.3 | 4.2 | 3.8 | 4.0 | 4.2 | 4.5 | 4.3 | 4.5 | 5.0 | 5.1 | 5.1 | 5.6 | 5.5 | 5.4 |
| 154 Spain | 4.4 | 4.3 | 5.9 | 6.1 | 6.6 | 7.0 | 7.0 | 7.1 | 6.9 | 7.1 | 7.0 | 6.8 | 6.7 | 6.5 | 6.1 | 6.1 |
| 155 Sri Lanka | | | | | | | | 3.7 | 3.4 | 3.5 | 3.2 | 3.1 | 3.2 | 3.2 | 3.1 | 3.2 |
| 156 Sudan | | | | | | | | | 2.3 | 2.2 | 2.1 | 2.0 | 1.8 | 1.6 | 1.5 | 1.6 |
| 157 Suriname | | | | | | | | | | 4.3 | 3.2 | 3.0 | 3.5 | 3.6 | 3.7 | |
| 158 Swaziland | | | | | | | | | | | 2.7 | 2.5 | 3.3 | 3.6 | 3.6 | 3.2 |
| 159 Sweden | 8.9 | 9.1 | 9.4 | 9.5 | 9.4 | 9.4 | 9.0 | 9.3 | 9.3 | 9.2 | 9.2 | 9.2 | 9.3 | 9.3 | 9.2 | 9.2 |
| 160 Switzerland | 8.8 | 8.8 | 8.6 | 8.9 | 8.9 | 8.6 | 8.4 | 8.5 | 8.8 | 9.1 | 9.1 | 9.1 | 9.0 | 9.0 | 9.0 | 8.7 |

Table A1.5. Data for countries 161 Syria to 40 Zimbabwe

| | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 161 Syria | | | | | | | | | 3.4 | 3.4 | 3.4 | 2.9 | 2.4 | 2.1 | 2.6 | 2.5 |
| 162 Taiwan | 5.1 | 5.0 | 5.0 | 5.3 | 5.6 | 5.5 | 5.9 | 5.6 | 5.7 | 5.6 | 5.9 | 5.9 | 5.7 | 5.7 | 5.6 | 5.8 |
| 163 Tajikistan | | | | | | | | | 1.8 | 2.0 | 2.1 | 2.2 | 2.1 | 2.0 | 2.0 | 2.1 |
| 164 Tanzania | | | | 1.9 | 1.9 | 2.5 | 2.2 | 2.7 | 2.5 | 2.8 | 2.9 | 2.9 | 3.2 | 3.0 | 2.6 | 2.7 |
| 165 Thailand | 2.8 | 3.3 | 3.1 | 3.0 | 3.2 | 3.2 | 3.2 | 3.2 | 3.3 | 3.6 | 3.8 | 3.6 | 3.3 | 3.5 | 3.4 | 3.5 |
| 166 Timor-Leste | | | | | | | | | | | | 2.6 | 2.6 | 2.2 | 2.2 | 2.5 |
| 167 Togo | | | | | | | | | | | | 2.4 | 2.3 | 2.7 | 2.8 | 2.4 |
| 168 Tonga | | | | | | | | | | | | | 1.7 | 2.4 | 3.0 | 3.0 |
| 169 Trinidad | | | | | | | 5.3 | 4.9 | 4.6 | 4.2 | 3.8 | 3.2 | | 3.6 | 3.6 | 3.6 |
| 170 Tunisia | | | | 5.0 | 5.0 | 5.2 | 5.3 | 4.8 | 4.9 | 5.0 | 4.9 | 4.6 | | 4.4 | 4.2 | 4.3 |
| 171 Turkey | 4.1 | 3.5 | 3.2 | 3.4 | 3.6 | 3.8 | 3.6 | 3.2 | 3.1 | 3.2 | 3.5 | 3.8 | | 4.6 | 4.4 | 4.4 |
| 172 Turkmenistan | | | | | | | | | | 2.0 | 1.8 | 2.2 | | 1.8 | 1.8 | 1.6 |
| 173 UAE | | | | | | | | | 5.2 | 6.1 | 6.2 | 6.2 | 5.7 | 5.9 | 6.5 | 6.3 |
| 174 Uganda | | 2.7 | | 2.6 | 2.2 | 2.3 | 1.9 | 2.1 | 2.2 | 2.6 | 2.5 | 2.7 | 2.8 | 2.6 | 2.5 | 2.5 |
| 175 UK | 8.6 | 8.4 | 8.2 | 8.7 | 8.6 | 8.7 | 8.3 | 8.7 | 8.7 | 8.6 | 8.6 | 8.6 | 8.4 | 7.7 | 7.7 | 7.6 |
| 176 Ukraine | | | | 2.8 | 2.6 | 1.5 | 2.1 | 2.4 | 2.3 | 2.2 | 2.6 | 2.8 | 2.7 | 2.5 | 2.2 | 2.4 |
| 177 Uruguay | | | 4.1 | 4.3 | 4.4 | | 5.1 | 5.1 | 5.5 | 6.2 | 5.9 | 6.4 | 6.7 | 6.9 | 6.7 | 6.9 |
| 178 USA | 7.8 | 7.7 | 7.6 | 7.5 | 7.5 | 7.8 | 7.6 | 7.7 | 7.5 | 7.5 | 7.6 | 7.3 | 7.2 | 7.3 | 7.5 | 7.1 |
| 179 Uzbekistan | | | | | 1.8 | 2.4 | 2.7 | 2.9 | 2.4 | 2.3 | 2.2 | 2.1 | 1.7 | 1.8 | 1.7 | 1.6 |
| 180 Vanuatu | | | | | | | | | | | | | 3.1 | 2.9 | 3.2 | 3.6 |
| 181 Venezuela | 2.7 | 2.5 | 2.8 | 2.3 | 2.6 | 2.7 | 2.8 | 2.5 | 2.4 | 2.3 | 2.3 | 2.3 | 2.0 | 1.9 | 1.9 | 2.0 |
| 182 Vietnam | | | 2.8 | 2.5 | 2.6 | 2.5 | 2.6 | 2.4 | 2.4 | 2.6 | 2.6 | 2.6 | 2.6 | 2.7 | 2.7 | 2.7 |
| 183 Yemen | | | | | | | | | 2.6 | 2.4 | 2.7 | 2.6 | 2.5 | 2.3 | 2.1 | 2.2 |
| 184 Zambia | | | | 3.5 | 3.5 | 3.4 | 2.6 | 2.6 | 2.5 | 2.6 | 2.6 | 2.6 | 2.6 | 2.8 | 3.0 | 3.0 |
| 185 Zimbabwe | | | | 4.2 | 4.1 | 3.0 | 2.9 | 2.7 | 2.3 | 2.3 | 2.6 | 2.4 | 2.1 | 1.8 | 2.2 | 2.4 |

Table A2.1. Main statistics for countries 1 Afghanistan to 40 Croatia

| Year | Observations available | | | | Standard statistics | | | | | | Kendall's τ to trend | | |
|------------------|------------------------|-----------|------|----|---------------------|------|-------|-----|-----|-------|---------------------------|----------|-------|
| | From | Missing | To | N | Avr | STD | St Er | Max | Min | Range | τ_a | τ_b | p % |
| 1 Afghanistan | 2005 | 2006 | end | 5 | 1.70 | 0.43 | 0.19 | 2.5 | 1.3 | 1.2 | -0.80 | -0.80 | 8.6 |
| 2 Albania | 1999 | 2000-2001 | end | 10 | 2.76 | 0.39 | 0.12 | 3.4 | 2.3 | 1.1 | 0.71 | 0.74 | 0.5 |
| 3 Algeria | 2003 | | end | 8 | 2.89 | 0.19 | 0.07 | 3.2 | 2.6 | 0.6 | 0.46 | 0.47 | 13.5 |
| 4 Angola | 2000 | 2001 | end | 10 | 1.93 | 0.17 | 0.05 | 2.2 | 1.7 | 0.5 | 0.33 | 0.36 | 19.8 |
| 5 Argentina | start | | end | 16 | 3.09 | 0.61 | 0.15 | 5.2 | 2.5 | 2.7 | -0.25 | -0.27 | 18.1 |
| 6 Armenia | 1999 | 2001-2002 | end | 10 | 2.81 | 0.21 | 0.07 | 3.1 | 2.5 | 0.6 | -0.04 | -0.05 | 92.7 |
| 7 Australia | start | | end | 16 | 8.68 | 0.14 | 0.03 | 8.9 | 8.3 | 0.6 | -0.03 | -0.04 | 89.0 |
| 8 Austria | start | | end | 16 | 7.90 | 0.40 | 0.10 | 8.7 | 7.1 | 1.6 | 0.60 | 0.62 | 0.1 |
| 9 Azerbaijan | 1999 | | end | 12 | 2.02 | 0.27 | 0.08 | 2.4 | 1.5 | 0.9 | 0.56 | 0.57 | 1.3 |
| 10 Bahrain | 2003 | | end | 8 | 5.48 | 0.41 | 0.15 | 6.1 | 4.9 | 1.2 | -0.82 | -0.84 | 0.6 |
| 11 Bangladesh | 1996 | 1997-2000 | end | 11 | 1.75 | 0.59 | 0.18 | 2.4 | 0.4 | 2 | 0.67 | 0.69 | 0.5 |
| 12 Barbados | 2004 | | end | 7 | 7.14 | 0.35 | 0.13 | 7.8 | 6.7 | 1.1 | 0.48 | 0.49 | 17.2 |
| 13 Belarus | 1998 | 2001 | end | 12 | 3.12 | 0.92 | 0.27 | 4.8 | 2 | 2.8 | -0.53 | -0.53 | 1.9 |
| 14 Belgium | start | | end | 16 | 6.74 | 0.76 | 0.19 | 7.6 | 5.3 | 2.3 | 0.35 | 0.36 | 6.2 |
| 15 Belize | 2003 | | 2008 | 6 | 3.57 | 0.53 | 0.22 | 4.5 | 2.9 | 1.6 | -1.00 | -1.00 | 0.9 |
| 16 Benin | 2004 | | end | 7 | 2.87 | 0.22 | 0.08 | 3.2 | 2.5 | 0.7 | -0.19 | -0.20 | 64.9 |
| 17 Bhutan | 2006 | | end | 5 | 5.38 | 0.40 | 0.18 | 6 | 5 | 1 | -0.10 | -0.11 | 100.0 |
| 18 Bolivia | 1996 | | end | 15 | 2.59 | 0.37 | 0.10 | 3.4 | 2 | 1.4 | 0.22 | 0.23 | 27.2 |
| 19 Bosnia | 2003 | | end | 8 | 3.11 | 0.15 | 0.05 | 3.3 | 2.9 | 0.4 | -0.04 | -0.04 | 100.0 |
| 20 Botswana | 1998 | | end | 13 | 5.88 | 0.25 | 0.07 | 6.4 | 5.4 | 1 | -0.56 | -0.59 | 0.8 |
| 21 Brazil | start | | end | 16 | 3.66 | 0.38 | 0.09 | 4.1 | 2.7 | 1.4 | -0.08 | -0.09 | 68.2 |
| 22 Brunei | 2009 | | end | 2 | 5.5 | - | - | 5.5 | 5.5 | 0 | - | - | - |
| 23 Bulgaria | 1998 | | end | 13 | 3.75 | 0.34 | 0.09 | 4.1 | 2.9 | 1.2 | 0.28 | 0.29 | 19.5 |
| 24 Burkina Faso | 2000 | 2001-2004 | end | 7 | 3.24 | 0.24 | 0.09 | 3.6 | 2.9 | 0.7 | 0.24 | 0.24 | 54.8 |
| 25 Burundi | 2005 | | end | 6 | 2.12 | 0.29 | 0.12 | 2.5 | 1.8 | 0.7 | -0.53 | -0.55 | 18.1 |
| 26 Cambodia | 2005 | | end | 6 | 2.05 | 0.15 | 0.06 | 2.3 | 1.8 | 0.5 | -0.33 | -0.36 | 43.6 |
| 27 Cameroon | 1996 | | end | 14 | 2.08 | 0.31 | 0.08 | 2.5 | 1.4 | 1.1 | 0.38 | 0.40 | 5.9 |
| 28 Canada | start | | end | 16 | 8.85 | 0.25 | 0.06 | 9.2 | 8.4 | 0.8 | -0.37 | -0.39 | 4.9 |
| 29 Cap Verde | 2007 | | end | 4 | 5.05 | 0.09 | 0.04 | 5.1 | 4.9 | 0.2 | 0.50 | 0.71 | 37.1 |
| 30 CAR | 2006 | | end | 5 | 2.10 | 0.15 | 0.07 | 2.4 | 2 | 0.4 | -0.10 | -0.12 | 100.0 |
| 31 Chad | 2004 | | end | 7 | 1.73 | 0.13 | 0.05 | 2 | 1.6 | 0.4 | -0.24 | -0.26 | 52.5 |
| 32 Chile | start | | end | 16 | 7.13 | 0.41 | 0.10 | 7.9 | 6.1 | 1.8 | -0.13 | -0.13 | 52.5 |
| 33 China | start | | end | 16 | 3.25 | 0.40 | 0.10 | 3.6 | 2.2 | 1.4 | 0.50 | 0.53 | 0.7 |
| 34 Colombia | start | | end | 16 | 3.39 | 0.57 | 0.14 | 4 | 2.2 | 1.8 | 0.45 | 0.47 | 1.6 |
| 35 Comoros | 2007 | | end | 4 | 2.38 | 0.19 | 0.10 | 2.6 | 2.1 | 0.5 | -1.00 | -1.00 | 8.9 |
| 36 Congo. Bra | 2003 | | end | 8 | 2.39 | 0.74 | 0.26 | 4.3 | 1.9 | 2.4 | -0.75 | -0.79 | 1.1 |
| 37 Congo. Kin | 2003 | | end | 8 | 1.98 | 0.14 | 0.05 | 2.2 | 1.7 | 0.5 | -0.50 | -0.54 | 9.5 |
| 38 Costa Rica | 1997 | 2003 | end | 13 | 5.04 | 0.61 | 0.17 | 6.5 | 4.1 | 2.4 | -0.19 | -0.19 | 39.1 |
| 39 Côte d'Ivoire | 1998 | | end | 13 | 2.31 | 0.35 | 0.10 | 3.1 | 1.9 | 1.2 | -0.44 | -0.46 | 4.0 |
| 40 Croatia | 1999 | | end | 12 | 3.73 | 0.43 | 0.12 | 4.4 | 2.7 | 1.7 | 0.35 | 0.36 | 12.6 |

Table A2.2. Main statistics for countries 41 Cuba to 40 Italy

| Year | Observations available | | | | Standard statistics | | | | | | Kendall's τ to trend | | |
|------------------|------------------------|-----------|------|----|---------------------|------|-------|-----|-----|-------|---------------------------|----------|-------|
| | From | Missing | To | N | Avr | STD | St Er | Max | Min | Range | τ_a | τ_b | p % |
| 41 Cuba | 2003 | | end | 8 | 4.03 | 0.37 | 0.13 | 4.6 | 3.5 | 1.1 | 0.04 | 0.04 | 100.0 |
| 42 Cyprus | 2003 | | end | 8 | 5.93 | 0.46 | 0.16 | 6.6 | 5.3 | 1.3 | 0.29 | 0.29 | 38.7 |
| 43 Czech R | 1996 | | end | 15 | 4.60 | 0.52 | 0.13 | 5.4 | 3.7 | 1.7 | -0.02 | -0.02 | 96.0 |
| 44 Denmark | start | | end | 16 | 9.54 | 0.24 | 0.06 | 10 | 9.3 | 0.7 | -0.38 | -0.43 | 3.3 |
| 45 Djibouti | 2007 | | end | 4 | 2.98 | 0.15 | 0.07 | 3.2 | 2.8 | 0.4 | 0.33 | 0.33 | 73.4 |
| 46 Dominica | 2006 | | end | 5 | 5.44 | 0.55 | 0.24 | 6 | 4.5 | 1.5 | 0.20 | 0.20 | 80.7 |
| 47 Dominican R | 2001 | | end | 10 | 3.06 | 0.19 | 0.06 | 3.5 | 2.8 | 0.7 | -0.29 | -0.33 | 24.9 |
| 48 Ecuador | 1996 | 1997 | end | 14 | 2.37 | 0.28 | 0.07 | 3.2 | 2 | 1.2 | -0.32 | -0.33 | 12.0 |
| 49 Egypt | 1996 | 1997 | end | 14 | 3.14 | 0.25 | 0.07 | 3.6 | 2.8 | 0.8 | -0.13 | -0.14 | 54.1 |
| 50 El Salvador | 1998 | | end | 13 | 3.82 | 0.27 | 0.08 | 4.2 | 3.4 | 0.8 | -0.04 | -0.04 | 90.2 |
| 51 Equ. Guinea | 2005 | | end | 6 | 1.88 | 0.12 | 0.05 | 2.1 | 1.7 | 0.4 | -0.27 | -0.30 | 54.6 |
| 52 Eritrea | 2004 | | end | 7 | 2.67 | 0.12 | 0.04 | 2.9 | 2.6 | 0.3 | -0.14 | -0.20 | 70.4 |
| 53 Estonia | 1998 | | end | 13 | 6.08 | 0.45 | 0.12 | 6.7 | 5.5 | 1.2 | 0.49 | 0.51 | 2.2 |
| 54 Ethiopia | 2000 | 2001 | end | 10 | 2.70 | 0.48 | 0.15 | 3.7 | 2.2 | 1.5 | -0.02 | -0.02 | 100.0 |
| 55 Fiji | 2005 | | 2005 | 1 | 4.0 | - | - | - | - | - | - | - | - |
| 56 Finland | start | | end | 16 | 9.49 | 0.32 | 0.08 | 10 | 8.9 | 1.1 | -0.23 | -0.23 | 24.0 |
| 57 France | start | | end | 16 | 6.91 | 0.30 | 0.08 | 7.5 | 6.3 | 1.2 | 0.17 | 0.17 | 38.6 |
| 58 Gabon | 2004 | | end | 7 | 3.04 | 0.18 | 0.07 | 3.3 | 2.8 | 0.5 | -0.43 | -0.45 | 21.9 |
| 59 Gambia | 2003 | | end | 8 | 2.68 | 0.52 | 0.18 | 3.8 | 1.9 | 1.9 | 0.11 | 0.11 | 80.3 |
| 60 Georgia | 1999 | 2000-2001 | end | 10 | 2.88 | 0.81 | 0.25 | 4.1 | 1.8 | 2.3 | 0.67 | 0.67 | 0.9 |
| 61 Germany | start | | end | 16 | 7.91 | 0.28 | 0.07 | 8.3 | 7.3 | 1 | -0.16 | -0.16 | 41.4 |
| 62 Ghana | 1998 | | end | 13 | 3.59 | 0.27 | 0.07 | 4.1 | 3.3 | 0.8 | 0.54 | 0.58 | 1.0 |
| 63 Greece | start | | end | 16 | 4.46 | 0.48 | 0.12 | 5.4 | 3.5 | 1.9 | -0.31 | -0.32 | 10.2 |
| 64 Grenada | 2006 | | 2007 | 2 | 3.45 | - | - | 3.5 | 3.4 | 0.1 | - | - | - |
| 65 Guatemala | 1998 | 2001 | end | 12 | 2.83 | 0.37 | 0.11 | 3.4 | 2.2 | 1.2 | 0.20 | 0.20 | 40.7 |
| 66 Guinea | 2006 | | end | 5 | 1.84 | 0.14 | 0.06 | 2 | 1.6 | 0.4 | 0.10 | 0.11 | 100.0 |
| 67 Guinea-Bissau | 2007 | | end | 4 | 2.03 | 0.13 | 0.06 | 2.2 | 1.9 | 0.3 | -0.17 | -0.18 | 100.0 |
| 68 Guyana | 2005 | | end | 6 | 2.58 | 0.07 | 0.03 | 2.7 | 2.5 | 0.2 | 0.73 | 0.86 | 4.0 |
| 69 Haiti | 2002 | | end | 9 | 1.76 | 0.28 | 0.09 | 2.2 | 1.4 | 0.8 | 0.08 | 0.09 | 83.0 |
| 70 Honduras | 1998 | 2000 | end | 12 | 2.38 | 0.31 | 0.09 | 2.7 | 1.7 | 1 | 0.15 | 0.16 | 53.1 |
| 71 Hong Kong | start | | end | 16 | 7.89 | 0.42 | 0.11 | 8.4 | 7 | 1.4 | 0.75 | 0.77 | 0.0 |
| 72 Hungary | start | | end | 16 | 4.99 | 0.29 | 0.07 | 5.3 | 4.1 | 1.2 | 0.06 | 0.06 | 78.4 |
| 73 Iceland | 1998 | | end | 13 | 9.22 | 0.34 | 0.10 | 9.7 | 8.5 | 1.2 | -0.21 | -0.21 | 35.8 |
| 74 India | start | | end | 16 | 2.98 | 0.29 | 0.07 | 3.5 | 2.6 | 0.9 | 0.50 | 0.54 | 0.7 |
| 75 Indonesia | start | 1996 | end | 15 | 2.19 | 0.38 | 0.10 | 2.8 | 1.7 | 1.1 | 0.55 | 0.58 | 0.4 |
| 76 Iran | 2003 | | end | 8 | 2.54 | 0.39 | 0.14 | 3 | 1.8 | 1.2 | -0.89 | -0.91 | 0.3 |
| 77 Iraq | 2003 | | end | 8 | 1.78 | 0.34 | 0.12 | 2.2 | 1.3 | 0.9 | -0.64 | -0.69 | 2.9 |
| 78 Ireland | start | | end | 16 | 7.74 | 0.46 | 0.12 | 8.6 | 6.9 | 1.7 | -0.24 | -0.25 | 20.2 |
| 79 Israel | 1996 | | end | 15 | 6.73 | 0.66 | 0.17 | 8 | 5.9 | 2.1 | -0.69 | -0.70 | 0.0 |
| 80 Italy | start | | end | 16 | 4.64 | 0.67 | 0.17 | 5.5 | 3 | 2.5 | 0.10 | 0.10 | 61.9 |

Table A2.3. Main statistics for countries 81 Jamaica to 120 Niger

| Country | Observations available | | | | Standard statistics | | | | | | Kendall's τ to trend | | |
|-----------------|------------------------|-----------|-----|----|---------------------|------|-------|-----|-----|------|---------------------------|----------|-------|
| | From | Missing | To | N | Avr | STD | St Er | Max | Min | Rang | τ_a | τ_b | p % |
| 81 Jamaica | 1998 | 2000-2001 | end | 11 | 3.52 | 0.32 | 0.10 | 4 | 3 | 1 | -0.64 | -0.67 | 0.7 |
| 82 Japan | start | | end | 16 | 6.99 | 0.56 | 0.14 | 7.8 | 5.8 | 2 | 0.64 | 0.65 | 0.1 |
| 83 Jordan | 1996 | | end | 14 | 4.89 | 0.35 | 0.09 | 5.7 | 4.4 | 1.3 | 0.23 | 0.24 | 27.0 |
| 84 Kazakhstan | 1999 | | end | 12 | 2.50 | 0.28 | 0.08 | 3 | 2.1 | 0.9 | 0.00 | 0.00 | 100.0 |
| 85 Kenya | 1996 | | end | 14 | 2.11 | 0.14 | 0.04 | 2.5 | 1.9 | 0.6 | 0.05 | 0.06 | 81.7 |
| 86 Kiribati | 2007 | | end | 4 | 3.10 | 0.19 | 0.09 | 3.3 | 2.8 | 0.5 | -0.33 | -0.33 | 73.4 |
| 87 Kosovo | | | end | 1 | | | | | | | | | |
| 88 Kuwait | 2003 | | end | 8 | 4.58 | 0.35 | 0.12 | 5.3 | 4.1 | 1.2 | -0.54 | -0.55 | 8.1 |
| 89 Kyrgyzstan | 1999 | 2000-2002 | end | 9 | 2.09 | 0.15 | 0.05 | 2.3 | 1.8 | 0.5 | -0.44 | -0.47 | 10.9 |
| 90 Laos | 2005 | | end | 6 | 2.32 | 0.49 | 0.20 | 3.3 | 1.9 | 1.4 | -0.27 | -0.28 | 56.6 |
| 91 Latvia | 1998 | | end | 13 | 3.99 | 0.65 | 0.18 | 5 | 2.7 | 2.3 | 0.78 | 0.80 | 0.0 |
| 92 Lebanon | 2003 | | end | 8 | 2.93 | 0.34 | 0.12 | 3.6 | 2.5 | 1.1 | -0.36 | -0.39 | 24.8 |
| 93 Lesotho | 2005 | | end | 6 | 3.32 | 0.11 | 0.04 | 3.5 | 3.2 | 0.3 | 0.20 | 0.21 | 69.7 |
| 94 Liberia | 2005 | 2006 | end | 5 | 2.62 | 0.49 | 0.22 | 3.3 | 2.1 | 1.2 | 0.80 | 0.80 | 8.6 |
| 95 Libya | 2003 | | end | 8 | 2.45 | 0.19 | 0.07 | 2.7 | 2.1 | 0.6 | 0.07 | 0.08 | 89.4 |
| 96 Lithuania | 1999 | | end | 12 | 4.64 | 0.33 | 0.10 | 5 | 3.8 | 1.2 | 0.50 | 0.55 | 2.2 |
| 97 Luxembourg | 1997 | | end | 14 | 8.57 | 0.20 | 0.05 | 9 | 8.2 | 0.8 | -0.49 | -0.51 | 1.5 |
| 98 Macao | 2006 | | end | 5 | 5.60 | 0.55 | 0.24 | 6.6 | 5 | 1.6 | -1.00 | -1.00 | 2.8 |
| 99 Macedonia | 1999 | 2000-2002 | end | 9 | 3.17 | 0.57 | 0.19 | 4.1 | 2.3 | 1.8 | 0.67 | 0.71 | 1.4 |
| 100 Madagascar | 2002 | | end | 9 | 2.83 | 0.47 | 0.16 | 3.4 | 1.7 | 1.7 | 0.33 | 0.34 | 24.6 |
| 101 Malawi | 1998 | | end | 13 | 3.21 | 0.53 | 0.15 | 4.1 | 2.7 | 1.4 | -0.38 | -0.41 | 7.0 |
| 102 Malaysia | start | | end | 16 | 5.01 | 0.25 | 0.06 | 5.3 | 4.4 | 0.9 | -0.38 | -0.40 | 4.4 |
| 103 Maldives | 2007 | | end | 4 | 2.73 | 0.38 | 0.19 | 3.3 | 2.3 | 1 | -1.00 | -1.00 | 8.9 |
| 104 Mali | 2003 | | end | 8 | 2.90 | 0.17 | 0.06 | 3.2 | 2.7 | 0.5 | -0.50 | -0.52 | 10.2 |
| 105 Malta | 2004 | | end | 7 | 6.03 | 0.54 | 0.20 | 6.8 | 5.2 | 1.6 | -0.86 | -0.88 | 1.0 |
| 106 Mauritania | 2006 | | end | 5 | 2.66 | 0.27 | 0.12 | 3.1 | 2.3 | 0.8 | -0.80 | -0.80 | 8.6 |
| 107 Mauritius | 1998 | | end | 13 | 4.80 | 0.44 | 0.12 | 5.5 | 4.1 | 1.4 | 0.17 | 0.17 | 46.2 |
| 108 Mexico | start | | end | 16 | 3.38 | 0.24 | 0.06 | 3.7 | 2.7 | 1 | 0.14 | 0.15 | 45.9 |
| 109 Moldova | 1999 | | end | 12 | 2.76 | 0.35 | 0.10 | 3.3 | 2.1 | 1.2 | 0.36 | 0.38 | 11.1 |
| 110 Mongolia | 1999 | 2000-2003 | end | 8 | 3.06 | 0.48 | 0.17 | 4.3 | 2.7 | 1.6 | -0.61 | -0.70 | 3.2 |
| 111 Montenegro | 2007 | | end | 4 | 3.58 | 0.24 | 0.12 | 3.9 | 3.3 | 0.6 | 0.67 | 0.67 | 30.8 |
| 112 Morocco | 1998 | 2002 | end | 12 | 3.57 | 0.43 | 0.12 | 4.7 | 3.2 | 1.5 | -0.33 | -0.35 | 14.3 |
| 113 Mozambique | 1999 | 2001-2002 | end | 10 | 2.74 | 0.31 | 0.10 | 3.5 | 2.2 | 1.3 | -0.22 | -0.24 | 40.2 |
| 114 Myanmar | 2003 | | end | 8 | 1.56 | 0.21 | 0.07 | 1.9 | 1.3 | 0.6 | -0.32 | -0.34 | 30.8 |
| 115 Namibia | 1998 | | end | 13 | 4.78 | 0.53 | 0.15 | 5.7 | 4.1 | 1.6 | -0.38 | -0.40 | 7.3 |
| 116 Nepal | 2004 | | end | 7 | 2.50 | 0.19 | 0.07 | 2.8 | 2.2 | 0.6 | -0.57 | -0.62 | 8.5 |
| 117 Netherlands | start | | end | 16 | 8.85 | 0.13 | 0.03 | 9 | 8.6 | 0.4 | -0.09 | -0.10 | 64.3 |
| 118 New Zealand | start | | end | 16 | 9.44 | 0.12 | 0.03 | 9.6 | 9.2 | 0.4 | -0.01 | -0.01 | 100.0 |
| 119 Nicaragua | 1998 | 2000 | end | 12 | 2.63 | 0.20 | 0.06 | 3.1 | 2.4 | 0.7 | -0.33 | -0.37 | 13.3 |
| 120 Niger | 2004 | | end | 7 | 2.54 | 0.24 | 0.09 | 2.9 | 2.2 | 0.7 | 0.67 | 0.68 | 4.8 |

Table A2.4. Main statistics for countries 121 Nigeria to 160 Switzerland

| Year | Observations available | | | | Standard statistics | | | | | | Kendall's τ to trend | | |
|------------------|------------------------|-----------|------|----|---------------------|------|-------|-----|-----|------|---------------------------|----------|-------|
| | From | Missing | To | N | Avr | STD | St Er | Max | Min | Rang | τ_a | τ_b | p % |
| 121 Nigeria | 1996 | | end | 15 | 1.78 | 0.55 | 0.14 | 2.7 | 0.7 | 2 | 0.57 | 0.59 | 0.3 |
| 122 Norway | start | | end | 16 | 8.73 | 0.27 | 0.07 | 9.1 | 7.9 | 1.2 | -0.33 | -0.35 | 7.9 |
| 123 Oman | 2003 | | end | 8 | 5.64 | 0.52 | 0.18 | 6.3 | 4.7 | 1.6 | -0.50 | -0.52 | 10.2 |
| 124 Pakistan | start | 2000 | end | 15 | 2.27 | 0.38 | 0.10 | 2.7 | 1 | 1.7 | 0.02 | 0.02 | 96.0 |
| 125 Palestine | 2003 | | 2005 | 3 | 2.70 | 0.22 | 0.12 | 3 | 2.5 | 0.5 | -0.33 | -0.33 | 100.0 |
| 126 Panama | 1001 | | end | 10 | 3.40 | 0.23 | 0.07 | 3.7 | 3 | 0.7 | 0.02 | 0.02 | 100.0 |
| 127 Papua NG | 2003 | | end | 8 | 2.20 | 0.20 | 0.07 | 2.6 | 2 | 0.6 | -0.29 | -0.31 | 36.9 |
| 128 Paraguay | 1998 | 2000-2001 | end | 11 | 2.05 | 0.33 | 0.10 | 2.6 | 1.5 | 1.1 | 0.53 | 0.54 | 2.8 |
| 129 Peru | 1998 | | end | 13 | 3.83 | 0.40 | 0.11 | 4.5 | 3.3 | 1.2 | -0.62 | -0.65 | 0.3 |
| 130 Philippines | start | | end | 16 | 2.72 | 0.34 | 0.09 | 3.6 | 2.3 | 1.3 | -0.66 | -0.68 | 0.0 |
| 131 Poland | 1996 | | end | 15 | 4.33 | 0.66 | 0.17 | 5.6 | 3.4 | 2.2 | -0.15 | -0.15 | 45.7 |
| 132 Portugal | start | | end | 16 | 6.36 | 0.34 | 0.08 | 7 | 5.6 | 1.4 | -0.27 | -0.28 | 15.8 |
| 133 Puerto Rico | 2008 | | end | 3 | 5.53 | 0.38 | 0.22 | 5.8 | 5 | 0.8 | -0.67 | -0.82 | 54.0 |
| 134 Qatar | 2003 | | end | 8 | 6.24 | 0.75 | 0.27 | 7.7 | 5.2 | 2.5 | 0.89 | 0.91 | 0.3 |
| 135 Romania | 1997 | | end | 14 | 3.20 | 0.40 | 0.11 | 3.8 | 2.6 | 1.2 | 0.35 | 0.36 | 8.7 |
| 136 Russia | 1996 | | end | 15 | 2.39 | 0.22 | 0.06 | 2.8 | 2.1 | 0.7 | -0.24 | -0.25 | 22.8 |
| 137 Rwanda | 2005 | | end | 6 | 3.12 | 0.47 | 0.19 | 4 | 2.5 | 1.5 | 0.60 | 0.60 | 13.3 |
| 138 Saint Lucia | 2007 | | 2009 | 3 | 6.97 | 0.12 | 0.07 | 7.1 | 6.8 | 0.3 | 0.33 | 0.33 | 100.0 |
| 139 Saint | 2007 | | 2009 | 3 | 6.33 | 0.17 | 0.10 | 6.5 | 6.1 | 0.4 | 0.33 | 0.33 | 100.0 |
| 140 Samoa | 2007 | | end | 4 | 4.38 | 0.16 | 0.08 | 4.5 | 4.1 | 0.4 | -0.50 | -0.55 | 47.0 |
| 141 Sao Tome | 2007 | | end | 4 | 2.80 | 0.12 | 0.06 | 3 | 2.7 | 0.3 | 0.83 | 0.91 | 14.9 |
| 142 Saudi | 2003 | | end | 8 | 3.81 | 0.54 | 0.19 | 4.7 | 3.3 | 1.4 | 0.32 | 0.34 | 30.8 |
| 143 Senegal | 1998 | | end | 13 | 3.22 | 0.22 | 0.06 | 3.6 | 2.9 | 0.7 | -0.12 | -0.12 | 62.2 |
| 144 Serbia | 1998 | 2001-2002 | end | 11 | 2.81 | 0.67 | 0.20 | 3.5 | 1.3 | 2.2 | 0.73 | 0.75 | 0.2 |
| 145 Seychelles | 2004 | | end | 7 | 4.41 | 0.43 | 0.16 | 4.8 | 3.6 | 1.2 | 0.57 | 0.62 | 8.5 |
| 146 Sierra Leone | 2003 | | end | 8 | 2.21 | 0.15 | 0.05 | 2.4 | 1.9 | 0.5 | -0.07 | -0.08 | 89.8 |
| 147 Singapore | start | | end | 16 | 9.19 | 0.20 | 0.05 | 9.4 | 8.7 | 0.7 | 0.38 | 0.40 | 4.2 |
| 148 Slovakia | 1998 | | end | 13 | 4.15 | 0.49 | 0.13 | 5 | 3.5 | 1.5 | 0.58 | 0.60 | 0.6 |
| 149 Slovenia | 1999 | | end | 12 | 6.12 | 0.44 | 0.13 | 6.7 | 5.2 | 1.5 | 0.65 | 0.68 | 0.4 |
| 150 Solomons | 2007 | | end | 4 | 2.83 | 0.04 | 0.02 | 2.9 | 2.8 | 0.1 | -0.17 | -0.24 | 100.0 |
| 151 Somalia | 2005 | 2006 | end | 5 | 1.34 | 0.40 | 0.18 | 2.1 | 1 | 1.1 | -0.50 | -0.53 | 31.2 |
| 152 South Africa | start | | end | 16 | 4.90 | 0.36 | 0.09 | 5.7 | 4.4 | 1.3 | -0.52 | -0.53 | 0.6 |
| 153 South Korea | start | | end | 16 | 4.68 | 0.55 | 0.14 | 5.6 | 3.8 | 1.8 | 0.58 | 0.59 | 0.2 |
| 154 Spain | start | | end | 16 | 6.35 | 0.85 | 0.21 | 7.1 | 4.3 | 2.8 | 0.14 | 0.15 | 46.8 |
| 155 Sri Lanka | 2002 | | end | 9 | 3.29 | 0.19 | 0.06 | 3.7 | 3.1 | 0.6 | -0.53 | -0.59 | 4.7 |
| 156 Sudan | 2003 | | end | 8 | 1.89 | 0.28 | 0.10 | 2.3 | 1.5 | 0.8 | -0.89 | -0.91 | 0.3 |
| 157 Suriname | 2004 | | 2009 | 6 | 3.55 | 0.41 | 0.17 | 4.3 | 3 | 1.3 | 0.20 | 0.20 | 70.7 |
| 158 Swaziland | 2005 | | end | 6 | 3.15 | 0.42 | 0.17 | 3.6 | 2.5 | 1.1 | 0.40 | 0.41 | 33.9 |
| 159 Sweden | start | | end | 16 | 9.24 | 0.15 | 0.04 | 9.5 | 8.9 | 0.6 | -0.11 | -0.12 | 57.8 |
| 160 Switzerland | start | | end | 16 | 8.83 | 0.21 | 0.05 | 9.1 | 8.4 | 0.7 | 0.24 | 0.25 | 20.1 |

Table A2.5. Main statistics for countries 161 Syria to 40 Zimbabwe

| Country | Observations available | | | | Standard statistics | | | | | | Kendall's τ to trend | | |
|------------------|------------------------|---------|-----|----|---------------------|------|-------|-----|-----|------|---------------------------|----------|------|
| | From | Missing | To | N | Avr | STD | St Er | Max | Min | Rang | τ_a | τ_b | p % |
| 161 Syria | 2003 | | end | 8 | 2.84 | 0.48 | 0.17 | 3.4 | 2.1 | 1.3 | -0.61 | -0.64 | 4.2 |
| 162 Taiwan | start | | end | 16 | 5.56 | 0.29 | 0.07 | 5.9 | 5 | 0.9 | 0.53 | 0.56 | 0.5 |
| 163 Tajikistan | 2003 | | end | 8 | 2.04 | 0.11 | 0.04 | 2.2 | 1.8 | 0.4 | 0.21 | 0.24 | 51.2 |
| 164 Tanzania | 1998 | | end | 13 | 2.60 | 0.38 | 0.11 | 3.2 | 1.9 | 1.3 | 0.59 | 0.61 | 0.6 |
| 165 Thailand | start | | end | 16 | 3.31 | 0.24 | 0.06 | 3.8 | 2.8 | 1 | 0.56 | 0.59 | 0.3 |
| 166 Timor-Leste | 2006 | | end | 5 | 2.42 | 0.18 | 0.08 | 2.6 | 2.2 | 0.4 | -0.40 | -0.45 | 43.3 |
| 167 Togo | 2006 | | end | 5 | 2.52 | 0.19 | 0.09 | 2.8 | 2.3 | 0.5 | 0.30 | 0.32 | 61.3 |
| 168 Tonga | 2007 | | end | 4 | 2.53 | 0.54 | 0.27 | 3 | 1.7 | 1.3 | 0.83 | 0.91 | 14.9 |
| 169 Trinidad | 2001 | 2007 | end | 9 | 4.09 | 0.67 | 0.22 | 5.3 | 3.2 | 2.1 | -0.75 | -0.78 | 0.6 |
| 170 Tunisia | 1998 | 2007 | end | 12 | 4.80 | 0.34 | 0.10 | 5.3 | 4.2 | 1.1 | -0.64 | -0.66 | 0.5 |
| 171 Turkey | start | 2007 | end | 15 | 3.69 | 0.47 | 0.12 | 4.6 | 3.1 | 1.5 | 0.25 | 0.26 | 21.2 |
| 172 Turkmenistan | 2004 | 2007 | end | 6 | 1.87 | 0.19 | 0.08 | 2.2 | 1.6 | 0.6 | -0.53 | -0.60 | 15.9 |
| 173 UAE | 2003 | | end | 8 | 6.01 | 0.38 | 0.14 | 6.5 | 5.2 | 1.3 | 0.46 | 0.47 | 13.5 |
| 174 Uganda | 1996 | | end | 14 | 2.44 | 0.25 | 0.07 | 2.8 | 1.9 | 0.9 | 0.14 | 0.15 | 50.5 |
| 175 UK | start | | end | 16 | 8.38 | 0.37 | 0.09 | 8.7 | 7.6 | 1.1 | -0.33 | -0.36 | 7.2 |
| 176 Ukraine | 1998 | | end | 13 | 2.39 | 0.34 | 0.09 | 2.8 | 1.5 | 1.3 | 0.03 | 0.03 | 95.1 |
| 177 Uruguay | 1997 | 2000 | end | 13 | 5.71 | 0.99 | 0.27 | 6.9 | 4.1 | 2.8 | 0.91 | 0.93 | 0.0 |
| 178 USA | start | | end | 16 | 7.51 | 0.20 | 0.05 | 7.8 | 7.1 | 0.7 | -0.57 | -0.61 | 0.2 |
| 179 Uzbekistan | 1999 | | end | 12 | 2.13 | 0.40 | 0.12 | 2.9 | 1.6 | 1.3 | -0.62 | -0.64 | 0.6 |
| 180 Vanuatu | 2007 | | end | 4 | 3.20 | 0.25 | 0.13 | 3.6 | 2.9 | 0.7 | 0.67 | 0.67 | 30.8 |
| 181 Venezuela | start | | end | 16 | 2.38 | 0.30 | 0.07 | 2.8 | 1.9 | 0.9 | -0.64 | -0.67 | 0.1 |
| 182 Vietnam | 1997 | | end | 14 | 2.59 | 0.11 | 0.03 | 2.8 | 2.4 | 0.4 | 0.30 | 0.34 | 13.3 |
| 183 Yemen | 2003 | | end | 8 | 2.43 | 0.20 | 0.07 | 2.7 | 2.1 | 0.6 | -0.61 | -0.62 | 4.6 |
| 184 Zambia | 1998 | | end | 13 | 2.87 | 0.36 | 0.10 | 3.5 | 2.5 | 1 | -0.09 | -0.10 | 69.8 |
| 185 Zimbabwe | 1998 | | end | 13 | 2.69 | 0.69 | 0.19 | 4.2 | 1.8 | 2.4 | -0.69 | -0.70 | 0.1 |