

Appendix II

Data Tables

Data Tables

This appendix provides a table for each of the 81 indicators that make up the Global Innovation Index 2014 (GII).

Structure

Each table is identified by indicator number, with the first digit representing the pillar, the second representing the sub-pillar, and the final digit representing the indicator within that particular sub-pillar. For example, Table 2.1.4 shows results for indicator 2.1.4, PISA scales in reading, maths, & science, which is the fourth indicator of sub-pillar 2.1, Education, within pillar 2, Human capital & research.

The sub-heading text provides a detailed description of each indicator, with information on the units of each variable, the scaling factor (if any), the question asked (for survey questions), and the most frequent year for which data were available.

For each indicator for each economy, the most recent value within the period 2004–13 was used. In instances where this base year does not correspond to the most frequent year reported in the sub-heading, the year of the value appears in parentheses after the economy name.

A total of 56 variables are hard data. A total of 20 variables are composite indicators and 5 are survey questions from the World Economic

Forum's Executive Opinion Survey.

The source of each indicator is indicated at the bottom of the page; details for each can be found in Appendix III, Sources and Definitions.

the far right of each column, a solid circle indicates that an indicator is a strength for the country/economy in question, and a hollow circle indicates that it is a weakness (refer to Appendix I, Country/Economy Profiles, for details).

- Strengths (●) are all ranks of 1, as well as all scores with percent ranks greater than the 10th highest percent rank among the 81 indicators in a specific economy.
- Weaknesses (○) are all scores with percent ranks lower than the 10th smallest percent rank among the 81 indicators in a specific economy.

For three hard data series (7.3.1, 7.3.2, and 7.3.4), the raw data were provided under the condition that only the normalized scores be published and therefore the original value equals the normalized score. For indicators 1.1.3, 1.3.1, 1.3.2, 1.3.3, 2.3.3, 3.3.2, 4.1.1, and 4.2.1, the range for both measures is the same—(0–100)—and therefore both measures are also identical.

Details on the computation methodology can be found in Appendix IV, Technical Notes. See also Annex 2 in Chapter 1 for more information regarding the use of 'n/a' and zero in indicators 4.2.4, 5.2.4, 5.2.5, and 7.3.4.

Rank	Country	Score	Percent Rank	Rank	Country	Score	Percent Rank
1	Switzerland	1.45	100.00	51	Malawi	0.01	45.04
2	New Zealand	1.36	99.04	52	Togo	0.01	44.98
3	Norway	1.34	98.57	53	Yemen	0.01	44.92
4	Denmark	1.31	98.10	54	Guinea	0.01	44.86
5	Germany	1.29	97.64	55	Yemen	0.01	44.80
6	Finland	1.27	97.17	56	Yemen	0.01	44.74
7	Netherlands	1.25	96.70	57	Yemen	0.01	44.68
8	Australia	1.23	96.23	58	Yemen	0.01	44.62
9	Canada	1.21	95.76	59	Yemen	0.01	44.56
10	Belgium	1.19	95.29	60	Yemen	0.01	44.50
11	France	1.17	94.82	61	Yemen	0.01	44.44
12	Sweden	1.15	94.35	62	Yemen	0.01	44.38
13	Japan	1.13	93.88	63	Yemen	0.01	44.32
14	South Korea	1.11	93.41	64	Yemen	0.01	44.26
15	United Kingdom	1.09	92.94	65	Yemen	0.01	44.20
16	United States	1.07	92.47	66	Yemen	0.01	44.14
17	Italy	1.05	92.00	67	Yemen	0.01	44.08
18	Spain	1.03	91.53	68	Yemen	0.01	44.02
19	Portugal	1.01	91.06	69	Yemen	0.01	43.96
20	Poland	0.99	90.59	70	Yemen	0.01	43.90
21	Hong Kong (China)	0.97	90.12	71	Yemen	0.01	43.84
22	South Africa	0.95	89.65	72	Yemen	0.01	43.78
23	Israel	0.93	89.18	73	Yemen	0.01	43.72
24	Belgium	0.91	88.71	74	Yemen	0.01	43.66
25	United States	0.89	88.24	75	Yemen	0.01	43.60
26	Denmark	0.87	87.77	76	Yemen	0.01	43.54
27	Sweden	0.85	87.30	77	Yemen	0.01	43.48
28	Finland	0.83	86.83	78	Yemen	0.01	43.42
29	United Arab Emirates	0.81	86.36	79	Yemen	0.01	43.36
30	France	0.79	85.89	80	Yemen	0.01	43.30
31	Germany	0.77	85.42	81	Yemen	0.01	43.24
32	Canada	0.75	84.95	82	Yemen	0.01	43.18
33	Japan	0.73	84.48	83	Yemen	0.01	43.12
34	United Kingdom	0.71	84.01	84	Yemen	0.01	43.06
35	United States	0.69	83.54	85	Yemen	0.01	43.00
36	Sweden	0.67	83.07	86	Yemen	0.01	42.94
37	Finland	0.65	82.60	87	Yemen	0.01	42.88
38	Denmark	0.63	82.13	88	Yemen	0.01	42.82
39	Portugal	0.61	81.66	89	Yemen	0.01	42.76
40	Spain	0.59	81.19	90	Yemen	0.01	42.70
41	Italy	0.57	80.72	91	Yemen	0.01	42.64
42	France	0.55	80.25	92	Yemen	0.01	42.58
43	United Kingdom	0.53	79.78	93	Yemen	0.01	42.52
44	United States	0.51	79.31	94	Yemen	0.01	42.46
45	Sweden	0.49	78.84	95	Yemen	0.01	42.40
46	Finland	0.47	78.37	96	Yemen	0.01	42.34
47	Denmark	0.45	77.90	97	Yemen	0.01	42.28
48	Portugal	0.43	77.43	98	Yemen	0.01	42.22
49	Spain	0.41	76.96	99	Yemen	0.01	42.16
50	Italy	0.39	76.49	100	Yemen	0.01	42.10
51	France	0.37	76.02				
52	United Kingdom	0.35	75.55				
53	United States	0.33	75.08				
54	Sweden	0.31	74.61				
55	Finland	0.29	74.14				
56	Denmark	0.27	73.67				
57	Portugal	0.25	73.20				
58	Spain	0.23	72.73				
59	Italy	0.21	72.26				
60	France	0.19	71.79				
61	United Kingdom	0.17	71.32				
62	United States	0.15	70.85				
63	Sweden	0.13	70.38				
64	Finland	0.11	69.91				
65	Denmark	0.09	69.44				
66	Portugal	0.07	68.97				
67	Spain	0.05	68.50				
68	Italy	0.03	68.03				
69	France	0.01	67.56				
70	United Kingdom	0.00	67.09				
71	United States	0.00	66.62				
72	Sweden	0.00	66.15				
73	Finland	0.00	65.68				

Explanation of scores

The tables list the economies by their rank order, with the best performers at the top. After the rank comes the country/economy name, the original value of the specific indicator for that country (in the units specified in the sub-heading), the normalized score in the 0–100 range, and the percentage of economies with scores that fall below the normalized score (i.e., percent ranks). To

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Switzerland	1.40	100.00	1.00	●	74	Malawi	-0.01	65.54	0.49	
2	Finland	1.38	99.53	0.99	●	75	Spain	-0.01	65.40	0.48	○
3	New Zealand	1.36	99.04	0.99	●	76	Fiji	-0.04	64.68	0.47	
4	Singapore	1.34	98.57	0.98		77	Ukraine	-0.10	63.25	0.46	
5	Luxembourg	1.34	98.44	0.97	●	78	Senegal	-0.10	63.20	0.46	
6	Austria	1.33	98.16	0.96	●	79	Cambodia	-0.14	62.36	0.45	
7	Norway	1.31	97.74	0.96		80	Panama	-0.15	61.94	0.44	
8	Iceland	1.22	95.51	0.95		81	Albania	-0.16	61.81	0.44	
9	Qatar	1.21	95.37	0.94	●	82	Rwanda	-0.21	60.49	0.43	
10	Barbados	1.20	94.96	0.94	●	83	Serbia	-0.22	60.18	0.42	
11	Netherlands	1.17	94.33	0.93		84	Greece	-0.23	60.10	0.42	
12	Sweden	1.16	94.15	0.92		85	Nicaragua	-0.37	56.73	0.41	
13	Botswana	1.11	92.75	0.92	●	86	Kazakhstan	-0.37	56.51	0.40	
14	Canada	1.09	92.41	0.91		87	Angola	-0.38	56.42	0.39	●
15	Slovakia	1.06	91.67	0.90	●	88	Honduras	-0.40	55.88	0.39	
16	Czech Republic	1.04	91.18	0.89		89	Swaziland	-0.40	55.83	0.38	
17	Malta	1.04	91.12	0.89		90	Togo	-0.42	55.42	0.37	
18	Poland	1.03	90.92	0.88	●	91	TFYR of Macedonia	-0.44	54.81	0.37	
19	Australia	1.00	90.08	0.87		92	Saudi Arabia	-0.46	54.49	0.36	
20	Hong Kong (China)	0.98	89.62	0.87		93	Morocco	-0.46	54.42	0.35	
21	Mauritius	0.97	89.31	0.86	●	94	Guyana	-0.48	53.89	0.35	
22	Namibia	0.94	88.79	0.85	●	95	Bolivia, Plurinational St.	-0.50	53.43	0.34	
23	Japan	0.94	88.63	0.85		96	Jordan	-0.52	53.02	0.33	
24	Ireland	0.93	88.35	0.84		97	Uzbekistan	-0.52	52.90	0.32	
25	Brunei Darussalam	0.92	88.17	0.83	●	98	Bosnia and Herzegovina	-0.54	52.56	0.32	
26	Slovenia	0.92	88.09	0.82		99	China	-0.54	52.35	0.31	
27	Denmark	0.90	87.84	0.82		100	Madagascar	-0.57	51.79	0.30	
28	Belgium	0.90	87.74	0.81		101	Indonesia	-0.57	51.64	0.30	
29	United Arab Emirates	0.88	87.24	0.80		102	Cameroon	-0.58	51.58	0.29	
30	Bhutan	0.81	85.62	0.80	●	103	Ecuador	-0.60	50.94	0.28	
31	Cabo Verde	0.78	84.87	0.79	●	104	Burkina Faso	-0.62	50.57	0.27	
32	Germany	0.77	84.64	0.78		105	Guatemala	-0.65	49.72	0.27	
33	Seychelles	0.75	84.17	0.77	●	106	Georgia	-0.67	49.22	0.26	
34	Lithuania	0.75	84.01	0.77		107	Mexico	-0.67	49.17	0.25	
35	Portugal	0.75	84.01	0.76		108	Azerbaijan	-0.69	48.85	0.25	
36	Uruguay	0.71	83.10	0.75	●	109	Sri Lanka	-0.71	48.39	0.24	
37	Hungary	0.67	82.03	0.75		110	Tunisia	-0.73	47.90	0.23	
38	United States of America	0.63	81.21	0.74		111	Zimbabwe	-0.79	46.45	0.23	
39	Cyprus	0.63	81.13	0.73		112	Russian Federation	-0.82	45.55	0.22	○
40	Costa Rica	0.63	81.12	0.73		113	Paraguay	-0.84	45.11	0.21	
41	Zambia	0.61	80.71	0.72	●	114	Peru	-0.86	44.57	0.20	
42	Estonia	0.60	80.37	0.71		115	Kyrgyzstan	-0.89	43.90	0.20	
43	Croatia	0.58	79.79	0.70		116	Uganda	-0.89	43.88	0.19	
44	Montenegro	0.56	79.34	0.70		117	Myanmar	-0.96	42.13	0.18	
45	France	0.55	79.17	0.69		118	Venezuela, Bolivarian Rep.	-0.99	41.42	0.18	
46	Italy	0.50	78.03	0.68		119	Israel	-1.07	39.58	0.17	○
47	Oman	0.47	77.09	0.68		120	Bahrain	-1.13	37.96	0.16	
48	Mongolia	0.45	76.67	0.67		121	Philippines	-1.16	37.26	0.15	
49	Latvia	0.43	76.24	0.66		122	Tajikistan	-1.16	37.22	0.15	
50	United Kingdom	0.41	75.71	0.65	○	123	Niger	-1.17	36.96	0.14	
51	Chile	0.35	74.17	0.65		124	Turkey	-1.19	36.49	0.13	○
52	Mozambique	0.35	74.13	0.64	●	125	Thailand	-1.21	36.16	0.13	○
53	Bulgaria	0.33	73.81	0.63		126	India	-1.25	35.17	0.12	○
54	Benin	0.31	73.32	0.63	●	127	Côte d'Ivoire	-1.26	34.78	0.11	
55	Lesotho	0.25	71.90	0.62	●	128	Guinea	-1.28	34.31	0.11	
56	Viet Nam	0.25	71.83	0.61		129	Kenya	-1.29	34.01	0.10	○
57	Dominican Republic	0.23	71.40	0.61	●	130	Iran, Islamic Rep.	-1.32	33.32	0.09	
58	El Salvador	0.21	70.81	0.60		131	Algeria	-1.34	32.84	0.08	
59	Kuwait	0.18	70.08	0.59		132	Bangladesh	-1.35	32.60	0.08	
60	Korea, Rep.	0.17	69.73	0.58		133	Nepal	-1.38	31.78	0.07	○
61	Trinidad and Tobago	0.11	68.34	0.58		134	Colombia	-1.40	31.31	0.06	○
62	Armenia	0.11	68.33	0.57		135	Egypt	-1.48	29.41	0.06	○
63	Jamaica	0.10	68.16	0.56		136	Ethiopia	-1.54	28.08	0.05	
64	Ghana	0.10	68.13	0.56		137	Lebanon	-1.65	25.32	0.04	○
65	Romania	0.07	67.40	0.55		138	Burundi	-1.68	24.45	0.04	
66	Argentina	0.07	67.30	0.54		139	Mali	-1.98	17.25	0.03	○
67	Brazil	0.07	67.28	0.54		140	Nigeria	-2.05	15.39	0.02	○
68	Tanzania, United Rep.	0.03	66.34	0.53		141	Sudan	-2.27	10.16	0.01	○
69	Belarus	0.02	66.27	0.52		142	Yemen	-2.43	6.15	0.01	○
70	Moldova, Rep.	0.02	66.26	0.51		143	Pakistan	-2.68	0.00	0.00	○
71	Gambia	0.01	65.82	0.51							
72	Malaysia	0.00	65.61	0.50							
73	South Africa	0.00	65.57	0.49							

SOURCE: World Bank, *World Governance Indicators 2013 update*

NOTE: ● indicates a strength; ○ a weakness.

1.1.2 Government effectiveness

Government effectiveness index | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland.....	2.21	100.00	1.00	●	74	Ghana.....	-0.07	38.91	0.49	
2	Singapore.....	2.15	98.33	0.99	●	75	TFYR of Macedonia.....	-0.07	38.90	0.48	
3	Denmark.....	1.97	93.34	0.99	●	76	Kuwait.....	-0.08	38.81	0.47	
4	Sweden.....	1.94	92.71	0.98	●	77	Serbia.....	-0.11	37.82	0.46	
5	Norway.....	1.89	91.40	0.97	●	78	Brazil.....	-0.12	37.54	0.46	
6	Switzerland.....	1.88	90.99	0.96		79	Guyana.....	-0.14	37.13	0.45	
7	Hong Kong (China).....	1.82	89.58	0.96		80	El Salvador.....	-0.14	37.04	0.44	
8	Netherlands.....	1.80	88.92	0.95		81	Peru.....	-0.16	36.65	0.44	
9	New Zealand.....	1.79	88.66	0.94	●	82	India.....	-0.18	36.02	0.43	
10	Canada.....	1.75	87.69	0.94		83	Sri Lanka.....	-0.24	34.54	0.42	
11	Luxembourg.....	1.66	85.16	0.93		84	Argentina.....	-0.25	34.05	0.42	
12	Australia.....	1.61	83.91	0.92		85	Albania.....	-0.28	33.37	0.41	
13	Belgium.....	1.59	83.34	0.92	●	86	Viet Nam.....	-0.29	33.10	0.40	
14	Germany.....	1.57	82.92	0.91		87	Indonesia.....	-0.29	33.09	0.39	
15	Austria.....	1.56	82.45	0.90		88	Romania.....	-0.31	32.47	0.39	
16	Ireland.....	1.53	81.72	0.89		89	Lebanon.....	-0.34	31.74	0.38	
17	United Kingdom.....	1.53	81.64	0.89		90	Bolivia, Plurinational St.....	-0.37	30.88	0.37	
18	United States of America.....	1.51	81.22	0.88		91	Lesotho.....	-0.38	30.68	0.37	
19	Iceland.....	1.49	80.53	0.87		92	Russian Federation.....	-0.43	29.49	0.36	
20	Barbados.....	1.45	79.64	0.87		93	Ethiopia.....	-0.44	29.23	0.35	
21	Japan.....	1.40	78.16	0.86		94	Kazakhstan.....	-0.44	29.07	0.35	
22	Cyprus.....	1.38	77.66	0.85		95	Senegal.....	-0.46	28.65	0.34	
23	France.....	1.33	76.36	0.85		96	Bosnia and Herzegovina.....	-0.47	28.36	0.33	
24	Chile.....	1.25	74.30	0.84	●	97	Malawi.....	-0.50	27.63	0.32	
25	Israel.....	1.25	74.29	0.83		98	Zambia.....	-0.50	27.46	0.32	
26	Malta.....	1.24	73.99	0.82		99	Ecuador.....	-0.51	27.24	0.31	
27	Korea, Rep.....	1.20	72.88	0.82		100	Gambia.....	-0.51	27.16	0.30	
28	United Arab Emirates.....	1.14	71.25	0.81		101	Benin.....	-0.53	26.61	0.30	
29	Spain.....	1.11	70.45	0.80		102	Iran, Islamic Rep.....	-0.54	26.40	0.29	
30	Portugal.....	1.03	68.47	0.80		103	Kenya.....	-0.55	26.30	0.28	
31	Slovenia.....	1.02	68.06	0.79		104	Dominican Republic.....	-0.55	26.17	0.27	
32	Malaysia.....	1.01	67.83	0.78		105	Moldova, Rep.....	-0.55	26.11	0.27	
33	Estonia.....	0.96	66.52	0.77		106	Algeria.....	-0.55	26.09	0.26	
34	Qatar.....	0.95	66.11	0.77		107	Uganda.....	-0.57	25.69	0.25	
35	Mauritius.....	0.93	65.81	0.76		108	Swaziland.....	-0.57	25.53	0.25	
36	Czech Republic.....	0.92	65.36	0.75		109	Ukraine.....	-0.58	25.28	0.24	
37	Brunei Darussalam.....	0.83	63.14	0.75	●	110	Mongolia.....	-0.63	23.98	0.23	
38	Latvia.....	0.83	63.02	0.74		111	Burkina Faso.....	-0.63	23.97	0.23	
39	Lithuania.....	0.83	62.98	0.73		112	Mozambique.....	-0.64	23.82	0.22	
40	Slovakia.....	0.83	62.93	0.73		113	Kyrgyzstan.....	-0.66	23.27	0.21	
41	Croatia.....	0.70	59.43	0.72		114	Tanzania, United Rep.....	-0.69	22.41	0.20	
42	Poland.....	0.66	58.60	0.71		115	Niger.....	-0.70	22.06	0.20	
43	Hungary.....	0.62	57.39	0.70		116	Honduras.....	-0.72	21.70	0.19	
44	Georgia.....	0.57	55.96	0.70		117	Guatemala.....	-0.76	20.48	0.18	
45	Bahrain.....	0.54	55.29	0.69		118	Egypt.....	-0.77	20.33	0.18	
46	Costa Rica.....	0.49	53.88	0.68		119	Azerbaijan.....	-0.78	20.08	0.17	
47	Bhutan.....	0.48	53.61	0.68	●	120	Pakistan.....	-0.79	19.79	0.16	
48	Uruguay.....	0.44	52.74	0.67		121	Bangladesh.....	-0.83	18.83	0.15	
49	Botswana.....	0.44	52.58	0.66		122	Cambodia.....	-0.83	18.67	0.15	
50	Italy.....	0.41	51.81	0.65		123	Nicaragua.....	-0.89	17.11	0.14	
51	Turkey.....	0.40	51.64	0.65		124	Fiji.....	-0.90	16.85	0.13	○
52	Trinidad and Tobago.....	0.40	51.61	0.64		125	Paraguay.....	-0.90	16.85	0.13	
53	Seychelles.....	0.38	50.89	0.63		126	Cameroon.....	-0.90	16.75	0.12	
54	South Africa.....	0.33	49.55	0.63		127	Tajikistan.....	-0.93	15.94	0.11	
55	Mexico.....	0.32	49.45	0.62		128	Belarus.....	-0.94	15.77	0.11	○
56	Panama.....	0.31	49.23	0.61		129	Uzbekistan.....	-0.94	15.77	0.10	
57	Greece.....	0.31	49.07	0.61		130	Nepal.....	-0.99	14.53	0.09	○
58	Oman.....	0.26	47.88	0.60		131	Mali.....	-0.99	14.46	0.08	
59	Thailand.....	0.21	46.40	0.59		132	Nigeria.....	-1.00	14.21	0.08	
60	Bulgaria.....	0.14	44.50	0.58		133	Angola.....	-1.02	13.53	0.07	
61	Montenegro.....	0.13	44.29	0.58		134	Madagascar.....	-1.08	11.93	0.06	
62	Namibia.....	0.12	44.18	0.57		135	Côte d'Ivoire.....	-1.11	11.28	0.06	○
63	Cabo Verde.....	0.10	43.51	0.56	●	136	Venezuela, Bolivarian Rep.....	-1.14	10.50	0.05	
64	Philippines.....	0.08	42.93	0.56		137	Zimbabwe.....	-1.21	8.59	0.04	○
65	Saudi Arabia.....	0.03	41.55	0.55		138	Guinea.....	-1.27	6.91	0.04	
66	Colombia.....	0.01	41.15	0.54		139	Yemen.....	-1.28	6.79	0.03	
67	China.....	-0.01	41.03	0.54		140	Togo.....	-1.32	5.48	0.02	○
68	Tunisia.....	-0.02	40.46	0.53		141	Burundi.....	-1.33	5.30	0.01	○
69	Jamaica.....	-0.02	40.27	0.52		142	Sudan.....	-1.46	1.93	0.01	○
70	Armenia.....	-0.04	39.89	0.51		143	Myanmar.....	-1.53	0.00	0.00	○
71	Jordan.....	-0.04	39.89	0.51							
72	Morocco.....	-0.04	39.66	0.50							
73	Rwanda.....	-0.06	39.25	0.49							

SOURCE: World Bank, *World Governance Indicators 2013 update*

NOTE: ● indicates a strength; ○ a weakness.

1.1.3 Press freedom

Press freedom index | 2013

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland.....	6.38	93.62	1.00	●	74	Paraguay.....	28.78	71.22	0.48	
2	Netherlands.....	6.48	93.52	0.99	●	75	Seychelles.....	29.19	70.81	0.48	
3	Norway.....	6.52	93.48	0.99	●	76	Guatemala.....	29.39	70.61	0.47	
4	Luxembourg.....	6.68	93.32	0.98	●	77	Côte d'Ivoire.....	29.77	70.23	0.46	●
5	Denmark.....	7.08	92.92	0.97	●	78	Mongolia.....	29.93	70.07	0.45	
6	New Zealand.....	8.38	91.62	0.96	●	79	Mali.....	30.03	69.97	0.45	
7	Iceland.....	8.49	91.51	0.96	●	80	Georgia.....	30.09	69.91	0.44	
8	Sweden.....	9.23	90.77	0.95		81	Lebanon.....	30.15	69.85	0.43	
9	Estonia.....	9.26	90.74	0.94	●	82	Albania.....	30.88	69.12	0.43	
10	Austria.....	9.40	90.60	0.94	●	83	Uganda.....	31.69	68.31	0.42	
11	Jamaica.....	9.88	90.12	0.93	●	84	Peru.....	31.87	68.13	0.41	
12	Switzerland.....	9.94	90.06	0.92		85	Kyrgyzstan.....	32.20	67.80	0.40	
13	Ireland.....	10.06	89.94	0.91		86	Fiji.....	32.69	67.31	0.40	
14	Czech Republic.....	10.17	89.83	0.91	●	87	Brazil.....	32.75	67.25	0.39	
15	Germany.....	10.24	89.76	0.90		88	Bolivia, Plurinational St.....	32.80	67.20	0.38	
16	Costa Rica.....	12.08	87.92	0.89	●	89	Qatar.....	32.86	67.14	0.38	
17	Namibia.....	12.50	87.50	0.89	●	90	Panama.....	32.95	67.05	0.37	
18	Canada.....	12.69	87.31	0.88		91	Israel.....	32.97	67.03	0.35	○
19	Belgium.....	12.94	87.06	0.87		91	Montenegro.....	32.97	67.03	0.35	
20	Poland.....	13.11	86.89	0.87	●	93	United Arab Emirates.....	33.49	66.51	0.35	
21	Slovakia.....	13.25	86.75	0.86	●	94	Nigeria.....	34.11	65.89	0.34	
22	Cyprus.....	13.83	86.17	0.85		95	TFYR of Macedonia.....	34.27	65.73	0.33	
23	Cabo Verde.....	14.33	85.67	0.84	●	96	Venezuela, Bolivarian Rep.....	34.44	65.56	0.33	
24	Australia.....	15.24	84.76	0.84		97	Nepal.....	34.61	65.39	0.32	
25	Uruguay.....	15.92	84.08	0.83	●	98	Ecuador.....	34.69	65.31	0.31	
26	Portugal.....	16.75	83.25	0.82		99	Cameroon.....	34.78	65.22	0.30	
27	United Kingdom.....	16.89	83.11	0.82		100	Brunei Darussalam.....	35.45	64.55	0.30	
28	Ghana.....	17.27	82.73	0.81	●	101	Tajikistan.....	35.71	64.29	0.29	
29	United States of America.....	18.22	81.78	0.80		102	Algeria.....	36.54	63.46	0.28	
30	Lithuania.....	18.24	81.76	0.79		103	Ukraine.....	36.79	63.21	0.28	
31	Slovenia.....	20.49	79.51	0.79		104	Honduras.....	36.92	63.08	0.27	
32	Spain.....	20.50	79.50	0.78		105	Colombia.....	37.48	62.52	0.26	
33	France.....	21.60	78.40	0.77		106	Angola.....	37.80	62.20	0.26	
34	El Salvador.....	22.86	77.14	0.77	●	107	Burundi.....	38.02	61.98	0.25	
35	Latvia.....	22.89	77.11	0.76		108	Zimbabwe.....	38.12	61.88	0.24	
36	Botswana.....	22.91	77.09	0.75	●	109	Jordan.....	38.47	61.53	0.23	○
37	Romania.....	23.05	76.95	0.74		110	Thailand.....	38.60	61.40	0.23	○
38	Niger.....	23.08	76.92	0.74	●	111	Morocco.....	39.04	60.96	0.22	
39	Trinidad and Tobago.....	23.12	76.88	0.73	●	112	Ethiopia.....	39.57	60.43	0.21	
40	Malta.....	23.30	76.70	0.72		113	Tunisia.....	39.93	60.07	0.21	
41	Burkina Faso.....	23.70	76.30	0.72	●	114	Indonesia.....	41.05	58.95	0.20	
42	Korea, Rep.....	24.48	75.52	0.71		115	India.....	41.22	58.78	0.19	
43	South Africa.....	24.56	75.44	0.70		116	Oman.....	41.51	58.49	0.18	
44	Japan.....	25.17	74.83	0.70		117	Cambodia.....	41.81	58.19	0.18	
45	Argentina.....	25.67	74.33	0.69		118	Bangladesh.....	42.01	57.99	0.17	
46	Moldova, Rep.....	26.01	73.99	0.68		119	Malaysia.....	42.73	57.27	0.16	○
47	Hungary.....	26.09	73.91	0.67		120	Philippines.....	43.11	56.89	0.16	
48	Italy.....	26.11	73.89	0.67		121	Russian Federation.....	43.42	56.58	0.15	○
49	Hong Kong (China).....	26.16	73.84	0.66		122	Singapore.....	43.43	56.57	0.14	○
50	Senegal.....	26.19	73.81	0.65	●	123	Myanmar.....	44.71	55.29	0.13	
51	Chile.....	26.24	73.76	0.65		124	Gambia.....	45.09	54.91	0.13	
52	Mauritius.....	26.47	73.53	0.64		125	Mexico.....	45.30	54.70	0.12	○
53	Serbia.....	26.59	73.41	0.63		126	Turkey.....	46.56	53.44	0.11	○
54	Croatia.....	26.61	73.39	0.62		127	Swaziland.....	46.76	53.24	0.11	
55	Bosnia and Herzegovina.....	26.86	73.14	0.62		128	Azerbaijan.....	47.73	52.27	0.10	○
56	Guyana.....	27.08	72.92	0.61		129	Belarus.....	48.35	51.65	0.09	○
57	Tanzania, United Rep.....	27.34	72.66	0.60	●	130	Egypt.....	48.66	51.34	0.09	○
58	Kenya.....	27.80	72.20	0.60		131	Pakistan.....	51.31	48.69	0.08	○
59	Zambia.....	27.93	72.07	0.59		132	Kazakhstan.....	55.08	44.92	0.07	○
60	Mozambique.....	28.01	71.99	0.58	●	133	Rwanda.....	55.46	44.54	0.06	○
61	Armenia.....	28.04	71.96	0.57		134	Sri Lanka.....	56.59	43.41	0.06	○
62	Malawi.....	28.18	71.82	0.57	●	135	Saudi Arabia.....	56.88	43.12	0.05	○
63	Kuwait.....	28.28	71.72	0.56		136	Uzbekistan.....	60.39	39.61	0.04	○
64	Nicaragua.....	28.31	71.69	0.55	●	137	Bahrain.....	62.75	37.25	0.04	○
65	Benin.....	28.33	71.67	0.55	●	138	Yemen.....	69.22	30.78	0.03	
66	Dominican Republic.....	28.34	71.66	0.54		139	Sudan.....	70.06	29.94	0.02	○
67	Lesotho.....	28.36	71.64	0.53	●	140	Viet Nam.....	71.78	28.22	0.01	○
68	Bhutan.....	28.42	71.58	0.52		141	China.....	73.07	26.93	0.01	○
69	Togo.....	28.45	71.55	0.52	●	142	Iran, Islamic Rep.....	73.40	26.60	0.00	○
70	Greece.....	28.46	71.54	0.51		n/a	Barbados.....	n/a	n/a	n/a	
71	Guinea.....	28.49	71.51	0.50	●						
72	Bulgaria.....	28.58	71.42	0.50							
73	Madagascar.....	28.62	71.38	0.49							

SOURCE: Reporters Without Borders, *Press Freedom Index 2013*

NOTE: ● indicates a strength; ○ a weakness.

1.2.1

Regulatory quality

Regulatory quality index | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Singapore	1.96	100.00	1.00	●	74	Kuwait	-0.05	47.55	0.49	
2	Hong Kong (China)	1.94	99.53	0.99	●	75	Philippines	-0.06	47.30	0.48	
3	Sweden	1.89	98.15	0.99	●	76	Bosnia and Herzegovina	-0.06	47.14	0.47	
4	New Zealand	1.84	96.90	0.98	●	77	Serbia	-0.08	46.79	0.46	
5	Finland	1.82	96.30	0.97		78	Morocco	-0.09	46.40	0.46	
6	Denmark	1.79	95.67	0.96	●	79	Senegal	-0.10	46.32	0.45	
7	Australia	1.77	95.01	0.96	●	80	Rwanda	-0.10	46.19	0.44	
8	Luxembourg	1.76	94.69	0.95		81	Moldova, Rep.	-0.11	45.84	0.44	
9	Netherlands	1.75	94.57	0.94		82	Sri Lanka	-0.12	45.72	0.43	
10	Canada	1.69	92.97	0.94		83	Burkina Faso	-0.12	45.69	0.42	
11	Switzerland	1.66	92.22	0.93		84	Lebanon	-0.12	45.58	0.42	
12	United Kingdom	1.64	91.69	0.92		85	Dominican Republic	-0.14	45.10	0.41	
13	Ireland	1.56	89.49	0.92		86	Mongolia	-0.17	44.49	0.40	
14	Chile	1.54	89.03	0.91	●	87	Guatemala	-0.18	44.20	0.39	
15	Germany	1.53	88.83	0.90		88	Honduras	-0.20	43.61	0.39	
16	Norway	1.53	88.79	0.89		89	Tunisia	-0.21	43.38	0.38	
17	Austria	1.51	88.35	0.89		90	Gambia	-0.23	42.81	0.37	
18	Estonia	1.40	85.47	0.88		91	Uganda	-0.24	42.44	0.37	
19	Malta	1.31	83.14	0.87		92	China	-0.26	42.06	0.36	
20	United States of America	1.29	82.40	0.87		93	Indonesia	-0.28	41.62	0.35	
21	Belgium	1.22	80.70	0.86		94	Nicaragua	-0.30	40.91	0.35	
22	Israel	1.16	79.07	0.85		95	Seychelles	-0.31	40.72	0.34	
23	Brunei Darussalam	1.16	79.05	0.85	●	96	Kenya	-0.31	40.71	0.33	
24	Cyprus	1.12	78.14	0.84		97	Paraguay	-0.32	40.40	0.32	
25	Japan	1.12	78.07	0.83		98	Kyrgyzstan	-0.35	39.79	0.32	
26	France	1.11	77.81	0.82		99	Cambodia	-0.35	39.68	0.31	
27	Lithuania	1.10	77.61	0.82		100	Russian Federation	-0.36	39.52	0.30	
28	Iceland	1.06	76.59	0.81		101	Kazakhstan	-0.39	38.71	0.30	
29	Czech Republic	1.06	76.53	0.80		102	Benin	-0.39	38.51	0.29	
30	Slovakia	1.03	75.80	0.80		103	Tanzania, United Rep.	-0.40	38.40	0.28	
31	Latvia	1.00	75.05	0.79		104	Mali	-0.42	37.76	0.27	
32	Mauritius	0.98	74.49	0.78		105	Zambia	-0.43	37.61	0.27	
33	Hungary	0.97	74.13	0.77		106	Mozambique	-0.46	36.82	0.26	
34	Poland	0.96	73.88	0.77		107	Azerbaijan	-0.47	36.56	0.25	
35	Spain	0.94	73.46	0.76		108	India	-0.47	36.47	0.25	
36	Korea, Rep.	0.89	71.95	0.75		109	Egypt	-0.49	36.03	0.24	
37	Portugal	0.81	70.03	0.75		110	Lesotho	-0.54	34.78	0.23	
38	Qatar	0.80	69.59	0.74		111	Swaziland	-0.56	34.13	0.23	
39	Italy	0.73	67.92	0.73		112	Madagascar	-0.58	33.75	0.22	
40	Botswana	0.69	66.93	0.73		113	Fiji	-0.60	33.10	0.21	
41	Bahrain	0.69	66.75	0.72		114	Niger	-0.61	32.93	0.20	
42	Georgia	0.68	66.47	0.71		115	Ukraine	-0.61	32.84	0.20	
43	United Arab Emirates	0.67	66.39	0.70		116	Guyana	-0.63	32.27	0.19	
44	Slovenia	0.61	64.62	0.70		117	Viet Nam	-0.68	30.98	0.18	
45	Costa Rica	0.57	63.57	0.69		118	Yemen	-0.70	30.64	0.18	
46	Malaysia	0.55	63.15	0.68		119	Malawi	-0.71	30.14	0.17	
47	Bulgaria	0.54	63.03	0.68		120	Nigeria	-0.72	29.94	0.16	
48	Romania	0.54	62.81	0.67		121	Pakistan	-0.73	29.81	0.15	
49	Greece	0.50	61.82	0.66		122	Côte d'Ivoire	-0.77	28.73	0.15	
50	Peru	0.49	61.59	0.65		123	Nepal	-0.81	27.55	0.14	
51	Oman	0.47	61.15	0.65		124	Bolivia, Plurinational St.	-0.83	27.02	0.13	○
52	Mexico	0.47	61.13	0.64		125	Togo	-0.86	26.45	0.13	
53	Croatia	0.44	60.17	0.63		126	Cameroon	-0.93	24.44	0.12	
54	Barbados	0.42	59.79	0.63		127	Burundi	-0.96	23.79	0.11	
55	Turkey	0.42	59.68	0.62		128	Bangladesh	-0.96	23.66	0.11	
56	Uruguay	0.40	59.14	0.61		129	Argentina	-0.96	23.63	0.10	○
57	Panama	0.39	58.96	0.61		130	Angola	-0.98	23.29	0.09	
58	Colombia	0.39	58.91	0.60		131	Tajikistan	-1.01	22.54	0.08	
59	South Africa	0.38	58.69	0.59		132	Guinea	-1.02	22.19	0.08	
60	TFYR of Macedonia	0.35	57.84	0.58		133	Ecuador	-1.04	21.71	0.07	○
61	Armenia	0.33	57.40	0.58		134	Ethiopia	-1.07	20.99	0.06	
62	El Salvador	0.32	57.19	0.57		135	Belarus	-1.10	20.19	0.06	○
63	Jamaica	0.23	54.87	0.56		136	Bhutan	-1.12	19.63	0.05	○
64	Thailand	0.23	54.74	0.56		137	Algeria	-1.29	15.06	0.04	○
65	Trinidad and Tobago	0.22	54.54	0.55		138	Iran, Islamic Rep.	-1.43	11.58	0.04	○
66	Jordan	0.18	53.45	0.54		139	Sudan	-1.51	9.33	0.03	
67	Albania	0.17	53.20	0.54		140	Venezuela, Bolivarian Rep.	-1.54	8.70	0.02	○
68	Ghana	0.12	51.85	0.53		141	Uzbekistan	-1.61	6.72	0.01	○
69	Saudi Arabia	0.10	51.48	0.52		142	Zimbabwe	-1.83	1.07	0.01	○
70	Brazil	0.09	51.19	0.51		143	Myanmar	-1.87	0.00	0.00	○
71	Namibia	0.06	50.51	0.51							
72	Cabo Verde	0.04	49.85	0.50							
73	Montenegro	0.01	49.08	0.49							

SOURCE: World Bank, *World Governance Indicators 2013 update*

NOTE: ● indicates a strength; ○ a weakness.

1.2.2 Rule of law

Rule of law index | 2012

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Norway	1.95	100.00	1.00	●	74	TFYR of Macedonia	-0.24	39.85	0.49	
2	Finland	1.94	99.84	0.99	●	75	Malawi	-0.24	39.67	0.48	
3	Sweden	1.93	99.60	0.99	●	76	Rwanda	-0.26	39.13	0.47	
4	New Zealand	1.88	98.03	0.98	●	77	Lesotho	-0.29	38.50	0.46	
5	Denmark	1.85	97.30	0.97	●	78	Senegal	-0.33	37.32	0.46	
6	Austria	1.84	97.05	0.96	●	79	Uganda	-0.36	36.53	0.45	
7	Netherlands	1.84	97.04	0.96		80	Moldova, Rep.	-0.36	36.49	0.44	
8	Switzerland	1.81	96.23	0.95		81	Mongolia	-0.38	35.87	0.44	
9	Luxembourg	1.77	95.18	0.94		82	Serbia	-0.39	35.76	0.43	
10	Singapore	1.77	95.14	0.94		83	Colombia	-0.39	35.59	0.42	
11	Canada	1.75	94.61	0.93		84	Armenia	-0.40	35.42	0.42	
12	Australia	1.75	94.41	0.92		85	Zambia	-0.40	35.29	0.41	
13	Ireland	1.73	93.97	0.92		86	Jamaica	-0.41	35.01	0.40	
14	United Kingdom	1.69	92.87	0.91		87	Burkina Faso	-0.43	34.46	0.39	
15	Iceland	1.67	92.38	0.90		88	Egypt	-0.45	33.94	0.39	
16	Germany	1.64	91.43	0.89		89	Swaziland	-0.46	33.59	0.38	
17	United States of America	1.60	90.53	0.89		90	China	-0.49	32.92	0.37	
18	Hong Kong (China)	1.56	89.20	0.88		91	Viet Nam	-0.50	32.51	0.37	
19	France	1.43	85.75	0.87		92	Guyana	-0.52	32.09	0.36	
20	Belgium	1.40	84.76	0.87		93	Gambia	-0.54	31.42	0.35	
21	Chile	1.37	83.98	0.86	●	94	Philippines	-0.55	31.37	0.35	
22	Malta	1.34	83.11	0.85		95	Mexico	-0.56	31.02	0.34	
23	Japan	1.32	82.78	0.85		96	Albania	-0.57	30.71	0.33	
24	Estonia	1.13	77.38	0.84		97	Tanzania, United Rep.	-0.58	30.52	0.32	
25	Cyprus	1.07	75.78	0.83		98	Indonesia	-0.60	29.95	0.32	
26	Spain	1.04	75.08	0.82		99	Mozambique	-0.60	29.86	0.31	
27	Portugal	1.04	74.95	0.82		100	Peru	-0.61	29.53	0.30	
28	Qatar	1.03	74.78	0.81		101	Benin	-0.64	28.78	0.30	
29	Czech Republic	1.01	74.06	0.80		102	Ethiopia	-0.66	28.33	0.29	
30	Barbados	0.99	73.72	0.80		103	Kazakhstan	-0.66	28.13	0.28	
31	Slovenia	0.98	73.35	0.79		104	Mali	-0.69	27.32	0.27	
32	Korea, Rep.	0.97	73.03	0.78		105	Dominican Republic	-0.70	27.04	0.27	
33	Mauritius	0.94	72.10	0.77		106	Argentina	-0.71	26.73	0.26	
34	Israel	0.92	71.60	0.77		107	Nicaragua	-0.74	26.14	0.25	
35	Brunei Darussalam	0.81	68.59	0.76	●	108	Niger	-0.74	26.06	0.25	
36	Lithuania	0.81	68.58	0.75		109	El Salvador	-0.75	25.87	0.24	
37	Latvia	0.76	67.24	0.75		110	Lebanon	-0.75	25.70	0.23	
38	Poland	0.74	66.87	0.74		111	Nepal	-0.79	24.65	0.23	
39	Botswana	0.66	64.52	0.73		112	Ukraine	-0.79	24.51	0.22	
40	Hungary	0.60	62.75	0.73		113	Algeria	-0.79	24.51	0.21	
41	Oman	0.58	62.46	0.72	●	114	Fiji	-0.80	24.33	0.20	
42	United Arab Emirates	0.56	61.77	0.71		115	Azerbaijan	-0.81	24.22	0.20	
43	Uruguay	0.54	61.31	0.70		116	Russian Federation	-0.82	23.79	0.19	○
44	Malaysia	0.51	60.30	0.70		117	Kenya	-0.87	22.58	0.18	
45	Cabo Verde	0.48	59.56	0.69	●	118	Paraguay	-0.87	22.34	0.18	
46	Costa Rica	0.47	59.36	0.68		119	Madagascar	-0.89	21.85	0.17	
47	Slovakia	0.46	58.93	0.68		120	Iran, Islamic Rep.	-0.90	21.60	0.16	
48	Greece	0.39	57.19	0.67		121	Bangladesh	-0.91	21.39	0.15	
49	Kuwait	0.38	56.96	0.66		122	Pakistan	-0.91	21.34	0.15	
50	Jordan	0.37	56.63	0.65		123	Togo	-0.92	21.12	0.14	
51	Italy	0.36	56.30	0.65		124	Belarus	-0.92	21.02	0.13	○
52	Bahrain	0.28	53.97	0.64		125	Cambodia	-0.97	19.82	0.13	
53	Saudi Arabia	0.24	53.03	0.63		126	Cameroon	-1.02	18.29	0.12	
54	Namibia	0.24	52.85	0.63		127	Bolivia, Plurinational St.	-1.04	17.73	0.11	○
55	Croatia	0.21	52.22	0.62		128	Burundi	-1.09	16.42	0.11	
56	Bhutan	0.19	51.59	0.61	●	129	Guatemala	-1.10	16.19	0.10	
57	South Africa	0.08	48.56	0.61		130	Côte d'Ivoire	-1.11	15.86	0.09	○
58	Turkey	0.04	47.35	0.60		131	Kyrgyzstan	-1.15	14.70	0.08	
59	Romania	0.02	46.93	0.59		132	Ecuador	-1.16	14.47	0.08	○
60	Montenegro	-0.01	46.18	0.58		133	Honduras	-1.17	14.17	0.07	○
61	Georgia	-0.03	45.58	0.58		134	Tajikistan	-1.18	14.03	0.06	
62	Ghana	-0.03	45.46	0.57	●	135	Nigeria	-1.18	13.89	0.06	○
63	Seychelles	-0.04	45.35	0.56		136	Sudan	-1.21	13.13	0.05	
64	India	-0.10	43.50	0.56		137	Yemen	-1.27	11.57	0.04	
65	Sri Lanka	-0.11	43.41	0.55		138	Uzbekistan	-1.27	11.52	0.04	○
66	Brazil	-0.11	43.35	0.54		139	Angola	-1.28	11.26	0.03	○
67	Bulgaria	-0.12	42.97	0.54		140	Myanmar	-1.35	9.12	0.02	
68	Tunisia	-0.14	42.65	0.53		141	Guinea	-1.44	6.83	0.01	○
69	Thailand	-0.17	41.64	0.52		142	Zimbabwe	-1.62	1.87	0.01	○
70	Trinidad and Tobago	-0.19	41.19	0.51		143	Venezuela, Bolivarian Rep.	-1.69	0.00	0.00	○
71	Morocco	-0.19	41.03	0.51							
72	Panama	-0.23	40.04	0.50							
73	Bosnia and Herzegovina	-0.23	40.04	0.49							

SOURCE: World Bank, *World Governance Indicators 2013 update*

NOTE: ● indicates a strength; ○ a weakness.

1.2.3 Cost of redundancy dismissal

Sum of notice period and severance pay for redundancy dismissal (in salary weeks, averages for workers with 1, 5, and 10 years of tenure, with a minimum threshold of 8 weeks) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Austria	8.00	100.00	0.85	●	74	Burundi	15.89	84.15	0.48	
1	Bahrain	8.00	100.00	0.85	●	74	Greece	15.89	84.15	0.48	
1	Belgium	8.00	100.00	0.85	●	76	Barbados	16.00	83.93	0.47	
1	Brunei Darussalam	8.00	100.00	0.85	●	77	Nigeria	16.20	83.53	0.46	
1	Bulgaria	8.00	100.00	0.85	●	78	Colombia	16.67	82.59	0.44	
1	Cyprus	8.00	100.00	0.85	●	78	Guyana	16.67	82.59	0.44	
1	Denmark	8.00	100.00	0.85	●	78	Malawi	16.67	82.59	0.44	
1	Georgia	8.00	100.00	0.85	●	81	Algeria	17.33	81.25	0.42	●
1	Guinea	8.00	100.00	0.85	●	81	Kyrgyzstan	17.33	81.25	0.42	
1	Hong Kong (China)	8.00	100.00	0.85	●	81	Russian Federation	17.33	81.25	0.42	
1	Italy	8.00	100.00	0.85	●	81	Uzbekistan	17.33	81.25	0.42	
1	Japan	8.00	100.00	0.85	●	85	Spain	17.38	81.15	0.41	○
1	Jordan	8.00	100.00	0.85	●	86	Panama	18.13	79.64	0.40	
1	Kenya	8.00	100.00	0.85	●	87	Costa Rica	18.70	78.50	0.39	
1	Malta	8.00	100.00	0.85	●	88	Poland	18.78	78.35	0.38	
1	New Zealand	8.00	100.00	0.85	●	88	Slovakia	18.78	78.35	0.38	
1	Oman	8.00	100.00	0.85	●	90	Ethiopia	19.14	77.61	0.37	
1	Romania	8.00	100.00	0.85	●	91	Cambodia	19.37	77.17	0.37	
1	Serbia	8.00	100.00	0.85	●	92	Saudi Arabia	19.45	76.99	0.36	
1	Singapore	8.00	100.00	0.85	●	93	Myanmar	20.22	75.45	0.35	●
1	United Arab Emirates	8.00	100.00	0.85	●	94	Czech Republic	20.22	75.45	0.35	○
1	United States of America	8.00	100.00	0.85	●	95	Trinidad and Tobago	20.51	74.86	0.34	
23	Bhutan	8.29	99.43	0.85	●	96	Morocco	20.69	74.51	0.33	
24	United Kingdom	8.47	99.06	0.84		97	Uruguay	20.80	74.29	0.32	
25	Kazakhstan	8.67	98.66	0.80	●	98	Albania	20.83	74.23	0.32	
25	Lebanon	8.67	98.66	0.80	●	99	Germany	21.56	72.77	0.31	○
25	Mongolia	8.67	98.66	0.80		100	Azerbaijan	21.67	72.54	0.29	
25	Netherlands	8.67	98.66	0.80		100	Belarus	21.67	72.54	0.29	
25	Norway	8.67	98.66	0.80		100	Luxembourg	21.67	72.54	0.29	○
25	Uganda	8.67	98.66	0.80	●	103	Botswana	21.69	72.50	0.28	
31	Bosnia and Herzegovina	9.22	97.54	0.79	●	104	Mexico	22.00	71.88	0.27	
32	South Africa	9.33	97.32	0.77		105	Moldova, Rep.	22.60	70.67	0.27	
32	Tanzania, United Rep.	9.33	97.32	0.77	●	106	El Salvador	22.86	70.15	0.26	
34	Fiji	9.67	96.65	0.75	●	107	Portugal	23.10	69.67	0.25	○
34	Latvia	9.67	96.65	0.75		108	Iran, Islamic Rep.	23.11	69.64	0.25	
34	Namibia	9.67	96.65	0.75	●	109	Qatar	23.22	69.42	0.24	
37	Canada	10.00	95.98	0.75		110	Malaysia	23.89	68.08	0.23	○
38	Finland	10.11	95.76	0.73		111	Lithuania	24.56	66.74	0.22	○
38	Iceland	10.11	95.76	0.73		111	Viet Nam	24.56	66.74	0.22	
38	Switzerland	10.11	95.76	0.73		113	Gambia	26.00	63.84	0.20	
41	Niger	10.12	95.74	0.72	●	113	Sudan	26.00	63.84	0.20	
42	Burkina Faso	10.47	95.03	0.71	●	115	Paraguay	26.07	63.70	0.20	
43	Mauritius	10.62	94.74	0.70		116	Dominican Republic	26.18	63.47	0.19	
44	Slovenia	10.68	94.62	0.70		117	Guatemala	26.96	61.90	0.18	
45	Armenia	11.00	93.97	0.69		118	Nepal	27.19	61.45	0.17	
46	Montenegro	11.22	93.53	0.68		118	Pakistan	27.19	61.45	0.17	
47	Peru	11.43	93.11	0.68		120	Chile	27.40	61.03	0.14	○
48	Benin	11.63	92.71	0.67	●	120	China	27.40	61.03	0.14	○
49	Australia	11.67	92.63	0.66		120	Korea, Rep.	27.40	61.03	0.14	○
50	France	11.84	92.28	0.65		120	Yemen	27.40	61.03	0.14	
51	Tunisia	12.10	91.77	0.65		124	Israel	27.44	60.94	0.13	○
52	Ireland	12.17	91.63	0.64		124	Philippines	27.44	60.94	0.13	○
53	Madagascar	12.25	91.45	0.63	●	126	Kuwait	28.12	59.58	0.12	○
54	Estonia	12.90	90.15	0.63		127	Cabo Verde	29.54	56.73	0.11	○
55	Rwanda	12.95	90.05	0.62		128	Turkey	29.78	56.25	0.11	○
56	TFYR of Macedonia	13.00	89.96	0.61		129	Argentina	30.33	55.13	0.09	○
56	Ukraine	13.00	89.96	0.61		129	Honduras	30.33	55.13	0.09	○
58	Côte d'Ivoire	13.07	89.81	0.60	●	131	Bangladesh	31.00	53.79	0.08	
59	Togo	13.14	89.67	0.59	●	132	Angola	31.01	53.78	0.08	
60	Hungary	13.41	89.13	0.58		133	Ecuador	31.78	52.23	0.07	○
61	Seychelles	13.48	89.00	0.58		134	Thailand	36.00	43.75	0.06	○
62	Mali	13.65	88.65	0.57	●	135	Egypt	36.83	42.08	0.06	○
63	Senegal	13.69	88.56	0.56		136	Mozambique	37.51	40.72	0.05	○
64	Jamaica	14.00	87.95	0.56		137	Ghana	49.78	16.07	0.04	○
65	Sweden	14.44	87.05	0.55	○	138	Zambia	50.56	14.51	0.04	○
66	Swaziland	14.57	86.80	0.54	●	139	Bolivia, Plurinational St.	82.33	0.00	0.00	○
67	Nicaragua	14.93	86.09	0.54	●	139	Indonesia	57.78	0.00	0.00	○
68	Lesotho	15.00	85.94	0.53		139	Sri Lanka	69.33	0.00	0.00	○
69	Croatia	15.11	85.71	0.52		139	Venezuela, Bolivarian Rep.	82.33	0.00	0.00	○
70	Cameroon	15.31	85.31	0.51	●	139	Zimbabwe	82.33	0.00	0.00	○
71	Brazil	15.45	85.04	0.51							
72	Tajikistan	15.53	84.88	0.50	●						
73	India	15.76	84.41	0.49							

SOURCE: World Bank, *Doing Business 2014, Employing Workers*

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	New Zealand	99.96	99.96	1.00	●	74	Tajikistan	82.68	82.68	0.49	
2	Canada	98.97	98.97	0.99	●	75	Ghana	82.49	82.49	0.48	
3	TFYR of Macedonia	97.66	97.66	0.99	●	76	Germany	82.09	82.09	0.47	
4	Georgia	97.47	97.47	0.98	●	77	Qatar	82.08	82.08	0.46	
5	Rwanda	97.36	97.36	0.97	●	78	Japan	81.90	81.90	0.46	
6	Armenia	97.32	97.32	0.96	●	79	Guyana	81.75	81.75	0.45	
7	Kyrgyzstan	96.25	96.25	0.96	●	80	Lesotho	81.69	81.69	0.44	
8	Singapore	95.92	95.92	0.95		81	Colombia	81.64	81.64	0.44	
9	Australia	95.91	95.91	0.94	●	82	Nepal	81.52	81.52	0.43	
10	Hong Kong (China)	95.89	95.89	0.94		83	Trinidad and Tobago	81.11	81.11	0.42	
11	Portugal	95.71	95.71	0.93	●	84	Tunisia	81.07	81.07	0.42	
12	Madagascar	95.03	95.03	0.92	●	85	Dominican Republic	81.01	81.01	0.41	
13	Azerbaijan	94.89	94.89	0.92	●	86	Saudi Arabia	80.75	80.75	0.40	
14	Slovenia	94.84	94.84	0.91		87	Mozambique	80.74	80.74	0.39	
15	Malaysia	94.31	94.31	0.90		88	Oman	80.58	80.58	0.39	
16	Belgium	94.15	94.15	0.89		89	Guatemala	80.38	80.38	0.38	
17	Burundi	93.34	93.34	0.89	●	90	Lebanon	80.09	80.09	0.37	
18	Netherlands	93.26	93.26	0.88		91	Bhutan	80.02	80.02	0.37	
19	Lithuania	93.23	93.23	0.87	●	92	Costa Rica	79.44	79.44	0.36	
20	Finland	93.01	93.01	0.87		93	Austria	79.22	79.22	0.35	○
21	Ireland	92.54	92.54	0.86		94	Czech Republic	79.12	79.12	0.35	○
22	Uzbekistan	92.47	92.47	0.85	●	95	El Salvador	78.40	78.40	0.34	
23	Denmark	92.35	92.35	0.85		96	Pakistan	78.20	78.20	0.33	
24	Sweden	92.34	92.34	0.84		97	Spain	77.79	77.79	0.32	○
25	Hungary	92.16	92.16	0.83		98	Côte d'Ivoire	77.77	77.77	0.32	
26	Latvia	91.79	91.79	0.82		99	Cameroon	76.87	76.87	0.31	
27	France	91.43	91.43	0.82		100	Tanzania, United Rep.	76.82	76.82	0.30	
28	Mauritius	91.23	91.23	0.81		101	Paraguay	76.43	76.43	0.30	
29	Iceland	91.14	91.14	0.80		102	Senegal	76.23	76.23	0.29	
30	Norway	90.99	90.99	0.80		103	Bahrain	76.16	76.16	0.28	
31	Belarus	90.90	90.90	0.79		104	Viet Nam	75.69	75.69	0.27	
32	Jamaica	90.88	90.88	0.78	●	105	Yemen	74.50	74.50	0.27	
33	Panama	90.79	90.79	0.77		106	Nigeria	74.48	74.48	0.26	
33	Romania	90.79	90.79	0.77	●	107	Seychelles	74.19	74.19	0.25	
35	Bulgaria	90.70	90.70	0.76		108	Sudan	73.69	73.69	0.25	
36	Mongolia	90.39	90.39	0.75		109	Burkina Faso	73.25	73.25	0.24	
37	Estonia	90.35	90.35	0.75		110	Botswana	72.58	72.58	0.23	
38	Korea, Rep.	90.01	90.01	0.74		111	Kenya	72.46	72.46	0.23	
39	United States of America	89.91	89.91	0.73		112	Nicaragua	72.27	72.27	0.22	
40	Albania	89.44	89.44	0.73		113	Malta	72.26	72.26	0.21	○
41	Israel	89.42	89.42	0.71		114	Bosnia and Herzegovina	70.95	70.95	0.20	
41	Morocco	89.42	89.42	0.71	●	115	Kuwait	69.51	69.51	0.20	
43	Greece	89.36	89.36	0.70		116	Honduras	69.43	69.43	0.19	
44	Uruguay	88.82	88.82	0.70		117	Indonesia	69.19	69.19	0.18	
45	Montenegro	88.81	88.81	0.69		118	Swaziland	68.82	68.82	0.18	
46	South Africa	88.78	88.78	0.68		119	Argentina	68.77	68.77	0.17	
47	United Arab Emirates	88.66	88.66	0.68		120	Algeria	68.53	68.53	0.16	
48	Moldova, Rep.	88.61	88.61	0.67		121	Namibia	67.85	67.85	0.15	
49	United Kingdom	88.53	88.53	0.66	○	122	China	67.38	67.38	0.15	○
50	Kazakhstan	88.49	88.49	0.65		123	Mali	66.79	66.79	0.14	
51	Croatia	88.32	88.32	0.64		124	Fiji	66.59	66.59	0.13	○
51	Zambia	88.32	88.32	0.64	●	125	Philippines	65.00	65.00	0.13	○
53	Chile	88.11	88.11	0.63		126	Guinea	64.27	64.27	0.12	
54	Cyprus	87.96	87.96	0.63		127	Benin	63.84	63.84	0.11	
55	Thailand	87.94	87.94	0.62		128	Ecuador	63.34	63.34	0.11	○
56	Serbia	87.80	87.80	0.61		129	India	62.74	62.74	0.10	○
57	Turkey	87.69	87.69	0.61		130	Ethiopia	61.43	61.43	0.09	
58	Italy	87.68	87.68	0.60		131	Malawi	60.87	60.87	0.08	○
59	Mexico	87.50	87.50	0.59		132	Gambia	60.76	60.76	0.08	
60	Sri Lanka	86.96	86.96	0.58		133	Uganda	58.71	58.71	0.07	○
61	Egypt	86.49	86.49	0.58		134	Angola	56.48	56.48	0.06	
62	Ukraine	86.44	86.44	0.57		135	Bolivia, Plurinational St.	55.72	55.72	0.06	○
63	Peru	86.29	86.29	0.56		136	Brazil	54.66	54.66	0.05	○
64	Russian Federation	85.91	85.91	0.56		137	Niger	52.83	52.83	0.04	
65	Luxembourg	85.89	85.89	0.55		138	Brunei Darussalam	51.87	51.87	0.04	○
66	Poland	85.86	85.86	0.54		139	Togo	51.49	51.49	0.03	○
67	Switzerland	85.74	85.74	0.54	○	140	Zimbabwe	49.20	49.20	0.02	○
68	Cabo Verde	85.59	85.59	0.53		141	Venezuela, Bolivarian Rep.	45.72	45.72	0.01	○
69	Bangladesh	84.71	84.71	0.52		142	Cambodia	40.08	40.08	0.01	
70	Slovakia	84.22	84.22	0.51		143	Myanmar	20.29	20.29	0.00	○
71	Jordan	84.10	84.10	0.51							
72	Iran, Islamic Rep.	83.72	83.72	0.50							
73	Barbados	82.81	82.81	0.49							

SOURCE: World Bank, Ease of Doing Business Index 2014, *Doing Business 2014*

NOTE: ● indicates a strength; ○ a weakness.

1.3.2 Ease of resolving insolvency

Ease of resolving insolvency (distance to frontier) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Japan	98.31	98.31	1.00	●	74	Namibia	37.01	37.01	0.48	
2	Norway	96.72	96.72	0.99	●	74	Nicaragua	37.01	37.01	0.48	
3	Finland	95.55	95.55	0.99		76	Azerbaijan	35.98	35.98	0.47	
4	Singapore	94.66	94.66	0.98		77	Greece	35.97	35.97	0.46	
5	Netherlands	94.49	94.49	0.97	●	78	Georgia	35.54	35.54	0.45	
6	Belgium	94.23	94.23	0.96	●	79	Sudan	35.20	35.20	0.45	●
7	United Kingdom	93.79	93.79	0.96		80	El Salvador	34.75	34.75	0.44	
8	Ireland	92.82	92.82	0.95		81	Moldova, Rep.	34.72	34.72	0.43	
9	Canada	92.46	92.46	0.94		82	Bulgaria	34.50	34.50	0.43	
10	Denmark	92.14	92.14	0.94		83	Lebanon	34.34	34.34	0.42	
11	Iceland	89.46	89.46	0.93		84	Kuwait	33.87	33.87	0.41	
12	New Zealand	88.26	88.26	0.92		85	Côte d'Ivoire	33.65	33.65	0.40	●
13	Germany	87.84	87.84	0.91		86	Argentina	32.64	32.64	0.40	
14	Austria	87.22	87.22	0.91		87	Croatia	32.09	32.09	0.39	
15	Korea, Rep.	87.12	87.12	0.90		88	Romania	31.72	31.72	0.38	
16	United States of America	86.31	86.31	0.89		89	Philippines	31.69	31.69	0.38	
17	Australia	86.14	86.14	0.89		90	United Arab Emirates	31.09	31.09	0.37	
18	Hong Kong (China)	86.01	86.01	0.88		91	Chile	30.79	30.79	0.36	○
19	Sweden	79.98	79.98	0.87		92	Serbia	30.74	30.74	0.35	
20	Spain	76.59	76.59	0.87	●	93	Lesotho	30.25	30.25	0.35	
21	Portugal	75.83	75.83	0.86		94	Saudi Arabia	29.95	29.95	0.34	
22	Cyprus	74.64	74.64	0.85		95	Nigeria	29.51	29.51	0.33	
23	Colombia	74.47	74.47	0.84	●	96	Gambia	29.41	29.41	0.33	
24	Mexico	71.55	71.55	0.84	●	97	Peru	29.30	29.30	0.32	
25	Bahrain	71.35	71.35	0.83		98	Togo	29.21	29.21	0.31	
26	Barbados	68.93	68.93	0.82		99	Panama	29.13	29.13	0.30	
27	Czech Republic	68.89	68.89	0.82		100	Jordan	28.80	28.80	0.30	
28	Jamaica	68.03	68.03	0.81	●	101	Trinidad and Tobago	28.53	28.53	0.29	
29	Italy	66.41	66.41	0.80	●	102	Ghana	27.71	27.71	0.28	
30	Botswana	65.57	65.57	0.79	●	103	Burkina Faso	27.60	27.60	0.28	
31	Israel	64.19	64.19	0.79		104	Bangladesh	27.28	27.28	0.27	
32	Qatar	58.92	58.92	0.78		105	India	27.12	27.12	0.26	
33	Poland	58.04	58.04	0.77		106	Senegal	26.81	26.81	0.26	
34	Slovakia	57.30	57.30	0.77		107	Kenya	26.15	26.15	0.25	
35	Tunisia	55.03	55.03	0.76	●	108	Costa Rica	25.97	25.97	0.24	
36	Slovenia	53.06	53.06	0.75		109	Nepal	25.95	25.95	0.23	
37	Malaysia	51.84	51.84	0.74		110	Yemen	25.80	25.80	0.23	
38	Latvia	51.30	51.30	0.74		111	Iran, Islamic Rep.	23.71	23.71	0.22	
39	Lithuania	51.26	51.26	0.72		112	Turkey	23.62	23.62	0.21	
39	Montenegro	51.26	51.26	0.72		113	Mali	23.52	23.52	0.21	
41	France	51.21	51.21	0.72		114	Kyrgyzstan	22.94	22.94	0.20	
42	Switzerland	50.37	50.37	0.71		115	Mongolia	22.86	22.86	0.19	
43	Brunei Darussalam	50.03	50.03	0.70		116	Tanzania, United Rep.	22.71	22.71	0.18	
44	Fiji	48.24	48.24	0.70	●	117	Brazil	20.66	20.66	0.18	○
45	Uruguay	47.72	47.72	0.69		118	Honduras	20.63	20.63	0.17	
46	TFYR of Macedonia	46.36	46.36	0.68		119	Rwanda	20.17	20.17	0.16	
47	Luxembourg	46.06	46.06	0.67		120	Benin	19.18	19.18	0.16	
48	Kazakhstan	45.71	45.71	0.67		121	Guyana	19.01	19.01	0.15	
49	Russian Federation	45.38	45.38	0.66		122	Ecuador	18.93	18.93	0.14	
50	Thailand	44.67	44.67	0.65		123	Indonesia	18.92	18.92	0.13	
51	Sri Lanka	44.42	44.42	0.65	●	124	Guinea	18.69	18.69	0.13	
52	Algeria	44.12	44.12	0.64	●	125	Egypt	17.94	17.94	0.12	○
53	Mauritius	43.47	43.47	0.63		126	Mozambique	17.53	17.53	0.11	
54	Albania	43.07	43.07	0.62		127	Viet Nam	17.15	17.15	0.11	
55	Uzbekistan	42.22	42.22	0.62	●	128	Malawi	16.48	16.48	0.10	
56	Malta	41.52	41.52	0.61		129	Cameroon	16.32	16.32	0.09	○
57	Seychelles	41.23	41.23	0.60		130	Paraguay	16.13	16.13	0.09	
58	Estonia	41.20	41.20	0.60		131	Niger	15.80	15.80	0.08	
59	Bolivia, Plurinational St.	41.16	41.16	0.59	●	132	Myanmar	15.52	15.52	0.07	
60	Swaziland	40.75	40.75	0.58	●	133	Zimbabwe	13.84	13.84	0.06	
61	Morocco	40.56	40.56	0.57		134	Madagascar	12.41	12.41	0.06	
62	Hungary	40.55	40.55	0.57		135	Dominican Republic	9.28	9.28	0.05	○
63	Pakistan	39.95	39.95	0.56	●	136	Ukraine	8.67	8.67	0.04	○
64	Oman	39.53	39.53	0.55		137	Cambodia	8.65	8.65	0.04	
65	Zambia	39.27	39.27	0.55		138	Burundi	8.14	8.14	0.03	
66	Belarus	39.11	39.11	0.54		139	Venezuela, Bolivarian Rep.	6.93	6.93	0.02	○
67	Ethiopia	39.07	39.07	0.53	●	140	Angola	0.00	0.00	0.00	○
68	Armenia	38.59	38.59	0.52		140	Bhutan	0.00	0.00	0.00	○
69	Bosnia and Herzegovina	38.17	38.17	0.52		140	Cabo Verde	0.00	0.00	0.00	○
70	China	38.10	38.10	0.50		n/a	Guatemala	n/a	n/a	n/a	
70	Uganda	38.10	38.10	0.50							
72	Tajikistan	37.95	37.95	0.50	●						
73	South Africa	37.61	37.61	0.49							

SOURCE: World Bank, Ease of Doing Business Index 2014, *Doing Business 2014*

NOTE: ● indicates a strength; ○ a weakness.

1.3.3 Ease of paying taxes

Ease of paying taxes (distance to frontier) | 2013

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	United Arab Emirates	98.88	98.88	1.00	●	74	Fiji	69.18	69.18	0.48	
2	Qatar	97.49	97.49	0.99	●	75	Slovakia	68.79	68.79	0.48	
3	Saudi Arabia	96.55	96.55	0.99	●	76	Uganda	68.75	68.75	0.47	
4	Hong Kong (China)	96.26	96.26	0.98		77	Trinidad and Tobago	68.59	68.59	0.46	
5	Singapore	94.44	94.44	0.97		78	Hungary	68.40	68.40	0.45	
6	Ireland	92.89	92.89	0.96	●	79	Lesotho	68.09	68.09	0.45	
7	Bahrain	92.81	92.81	0.96	●	80	Moldova, Rep.	67.91	67.91	0.44	
8	Canada	90.99	90.99	0.95		81	Barbados	66.65	66.65	0.43	
9	Oman	90.73	90.73	0.94	●	81	Guyana	66.65	66.65	0.43	
10	Kuwait	90.39	90.39	0.94	●	83	Mexico	66.64	66.64	0.42	
11	Denmark	89.51	89.51	0.93		84	Ethiopia	66.49	66.49	0.41	
12	Mauritius	88.86	88.86	0.92	●	85	Namibia	66.38	66.38	0.40	
13	United Kingdom	87.55	87.55	0.91		86	Belarus	65.03	65.03	0.40	
14	Kazakhstan	87.41	87.41	0.91	●	87	Czech Republic	64.99	64.99	0.39	○
15	Norway	87.21	87.21	0.90		88	Japan	64.78	64.78	0.38	
16	Switzerland	86.61	86.61	0.89		89	Sudan	64.41	64.41	0.38	●
17	Luxembourg	86.44	86.44	0.89		90	Nepal	64.40	64.40	0.37	
18	Korea, Rep.	86.25	86.25	0.88		91	Myanmar	64.32	64.32	0.36	●
19	South Africa	86.01	86.01	0.87	●	92	Iran, Islamic Rep.	64.02	64.02	0.35	
20	Georgia	85.50	85.50	0.87	●	93	Mozambique	63.94	63.94	0.35	
21	New Zealand	85.16	85.16	0.86		94	Paraguay	62.94	62.94	0.34	
22	Finland	85.02	85.02	0.85		95	Philippines	62.25	62.25	0.33	
23	Rwanda	84.83	84.83	0.84	●	96	Costa Rica	62.16	62.16	0.33	
24	Netherlands	83.34	83.34	0.84		97	Yemen	61.98	61.98	0.32	
25	Seychelles	83.25	83.25	0.83	●	98	Ecuador	61.55	61.55	0.31	
26	Chile	83.02	83.02	0.82		99	Romania	61.22	61.22	0.30	
27	Malta	82.71	82.71	0.82		100	China	61.14	61.14	0.30	
28	Malaysia	82.38	82.38	0.81		101	Burundi	60.35	60.35	0.29	
29	Brunei Darussalam	82.29	82.29	0.80	●	102	Bosnia and Herzegovina	60.29	60.29	0.28	
30	Croatia	81.87	81.87	0.79	●	103	Uruguay	59.81	59.81	0.28	
31	Estonia	80.68	80.68	0.79		104	Kyrgyzstan	59.61	59.61	0.27	
32	Lebanon	80.37	80.37	0.78	●	105	Albania	58.48	58.48	0.26	
33	TFYR of Macedonia	80.09	80.09	0.77		106	Zimbabwe	58.07	58.07	0.26	
34	Latvia	79.63	79.63	0.77		107	Colombia	57.99	57.99	0.25	
35	Slovenia	79.60	79.60	0.76		108	Italy	57.94	57.94	0.24	○
36	Jordan	79.19	79.19	0.75	●	109	Honduras	57.79	57.79	0.23	
37	Sweden	78.87	78.87	0.74		110	Egypt	57.62	57.62	0.23	
38	Australia	78.69	78.69	0.74		111	Indonesia	57.41	57.41	0.22	
39	Iceland	78.62	78.62	0.73		112	Angola	56.94	56.94	0.21	
40	Cyprus	78.23	78.23	0.72		113	Tanzania, United Rep.	56.32	56.32	0.21	
41	Greece	77.87	77.87	0.72		114	Mali	56.29	56.29	0.20	
42	Lithuania	77.60	77.60	0.71		115	Kenya	54.23	54.23	0.19	
43	Peru	76.86	76.86	0.70		116	Burkina Faso	54.02	54.02	0.18	
44	Turkey	76.83	76.83	0.70		117	Jamaica	54.00	54.00	0.18	
45	Botswana	75.78	75.78	0.69		118	Niger	53.87	53.87	0.17	
46	United States of America	75.76	75.76	0.68		119	Ukraine	51.26	51.26	0.16	○
47	Russian Federation	75.33	75.33	0.67		120	India	51.04	51.04	0.16	
48	Portugal	74.92	74.92	0.66		121	El Salvador	50.56	50.56	0.15	
48	Thailand	74.92	74.92	0.66		122	Togo	48.16	48.16	0.14	
50	Madagascar	74.85	74.85	0.65	●	123	Serbia	47.23	47.23	0.13	○
51	Morocco	73.90	73.90	0.65		124	Nicaragua	46.69	46.69	0.13	
52	Azerbaijan	73.69	73.69	0.64		125	Viet Nam	45.66	45.66	0.12	
53	Ghana	73.42	73.42	0.63	●	126	Panama	45.06	45.06	0.11	○
54	Germany	73.05	73.05	0.62		127	Argentina	43.99	43.99	0.11	○
55	Swaziland	72.47	72.47	0.62	●	128	Pakistan	43.48	43.48	0.10	
56	Austria	72.17	72.17	0.61		129	Sri Lanka	43.38	43.38	0.09	○
57	Zambia	72.11	72.11	0.60		130	Côte d'Ivoire	43.27	43.27	0.09	○
58	Bulgaria	71.95	71.95	0.60		131	Brazil	39.34	39.34	0.08	○
59	Cambodia	71.50	71.50	0.59	●	132	Nigeria	38.28	38.28	0.07	
60	Dominican Republic	71.34	71.34	0.58		133	Algeria	38.07	38.07	0.06	
61	Bangladesh	71.24	71.24	0.57	●	134	Uzbekistan	36.08	36.08	0.06	○
62	Armenia	70.80	70.80	0.57		135	Benin	35.99	35.99	0.05	○
63	Spain	70.74	70.74	0.56		136	Cameroon	34.49	34.49	0.04	○
64	Montenegro	70.47	70.47	0.55		137	Senegal	25.83	25.83	0.04	○
65	Israel	70.26	70.26	0.55		138	Gambia	22.98	22.98	0.03	○
66	Belgium	70.10	70.10	0.54		139	Tajikistan	22.61	22.61	0.02	○
67	Mongolia	70.04	70.04	0.53		140	Guinea	16.09	16.09	0.01	○
68	Cabo Verde	70.03	70.03	0.52		141	Venezuela, Bolivarian Rep.	13.05	13.05	0.01	○
69	Bhutan	69.81	69.81	0.52		142	Bolivia, Plurinational St.	12.67	12.67	0.00	○
70	Tunisia	69.66	69.66	0.51		n/a	Guatemala	n/a	n/a	n/a	
71	France	69.48	69.48	0.50							
72	Poland	69.30	69.30	0.50							
73	Malawi	69.19	69.19	0.49	●						

SOURCE: World Bank, Ease of Doing Business Index 2014, *Doing Business 2014*

NOTE: ● indicates a strength; ○ a weakness.

2.1.1

Expenditure on education

Government expenditure on education (% of GDP) | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Lesotho (2008)	12.98	100.00	1.00	●	74	Chile (2012)	4.52	30.63	0.44	
2	Botswana (2009)	9.49	71.35	0.99	●	75	Italy	4.50	30.45	0.44	
3	Denmark (2009)	8.74	65.22	0.98	●	76	Uruguay (2011)	4.50	30.44	0.43	
4	Moldova, Rep. (2012)	8.39	62.31	0.98	●	77	Colombia (2012)	4.38	29.50	0.42	
5	Namibia	8.37	62.15	0.97	●	78	Ecuador (2012)	4.36	29.29	0.41	
6	Swaziland (2011)	8.25	61.24	0.96	●	79	Algeria (2008)	4.34	29.12	0.40	
7	Ghana (2011)	8.14	60.31	0.95	●	80	Oman (2009)	4.32	29.01	0.40	
8	Iceland	7.60	55.87	0.95		81	Croatia	4.31	28.88	0.39	
9	New Zealand (2012)	7.38	54.10	0.94		82	Czech Republic	4.25	28.39	0.38	○
10	Cyprus	7.27	53.18	0.93	●	83	Romania (2009)	4.24	28.32	0.37	
11	Sweden	6.98	50.82	0.92		84	Slovakia	4.23	28.24	0.37	
12	Malta	6.91	50.22	0.92		85	Niger (2011)	4.21	28.04	0.36	
13	Bolivia, Plurinational St. (2011)	6.89	50.07	0.91	●	86	Fiji (2011)	4.20	27.96	0.35	
14	Venezuela, Bolivarian Rep. (2009)	6.87	49.92	0.90	●	87	Russian Federation (2008)	4.10	27.19	0.34	
15	Norway	6.87	49.90	0.89		88	Bulgaria	4.10	27.15	0.34	
16	Finland	6.85	49.70	0.89		89	Greece (2005)	4.09	27.10	0.33	
17	Kyrgyzstan (2011)	6.79	49.23	0.88	●	90	Gambia (2012)	4.07	26.92	0.32	
18	Kenya	6.67	48.23	0.87	●	91	Tajikistan (2011)	3.94	25.82	0.31	
19	Belgium	6.58	47.48	0.86		92	Japan (2011)	3.78	24.53	0.31	○
20	Ireland	6.41	46.08	0.85		93	Egypt (2008)	3.76	24.39	0.30	
21	Viet Nam	6.29	45.09	0.85	●	94	Kuwait (2006)	3.76	24.38	0.29	
22	Costa Rica (2009)	6.28	45.06	0.84	●	95	Iran, Islamic Rep. (2012)	3.71	24.01	0.28	
23	United Kingdom	6.23	44.61	0.83		96	Seychelles (2011)	3.58	22.88	0.27	
24	Tanzania, United Rep.	6.18	44.24	0.82	●	97	Hong Kong (China) (2012)	3.51	22.31	0.27	○
25	Tunisia (2012)	6.17	44.11	0.82	●	98	Panama (2011)	3.50	22.24	0.26	
26	Ukraine (2011)	6.15	44.00	0.81	●	99	Mauritius (2012)	3.49	22.13	0.25	○
27	Jamaica (2012)	6.12	43.71	0.80	●	100	Angola	3.48	22.06	0.24	
28	South Africa	5.96	42.44	0.79		101	Brunei Darussalam (2013)	3.45	21.85	0.24	
29	Malaysia (2011)	5.94	42.27	0.79		102	Burkina Faso (2011)	3.43	21.65	0.23	
30	Netherlands (2011)	5.93	42.19	0.78		103	El Salvador (2011)	3.42	21.58	0.22	
31	Austria	5.92	42.05	0.77		104	Uganda (2012)	3.28	20.44	0.21	
32	France	5.86	41.64	0.76		105	Armenia (2012)	3.28	20.43	0.21	○
33	Brazil	5.82	41.29	0.76		106	Albania (2007)	3.27	20.35	0.20	
34	Burundi (2012)	5.82	41.28	0.75	●	107	Guyana (2012)	3.19	19.74	0.19	
35	Thailand (2011)	5.79	41.01	0.74		108	Cameroon (2011)	3.18	19.67	0.18	
36	Argentina	5.78	40.96	0.73		109	India (2011)	3.17	19.51	0.18	
37	Slovenia	5.69	40.24	0.73		110	Kazakhstan (2009)	3.06	18.65	0.17	
38	Estonia	5.66	39.96	0.72		111	Singapore (2013)	3.05	18.53	0.16	○
39	Israel (2011)	5.64	39.78	0.71		112	Guatemala (2012)	2.97	17.88	0.15	
40	Portugal	5.62	39.67	0.70		113	Turkey (2006)	2.86	17.03	0.15	○
41	Barbados (2012)	5.61	39.56	0.69		114	Indonesia (2011)	2.77	16.24	0.14	
42	Senegal	5.60	39.47	0.69	●	115	Peru (2012)	2.76	16.19	0.13	○
43	Australia	5.59	39.38	0.68		116	Madagascar (2012)	2.72	15.83	0.12	
44	Mongolia (2011)	5.48	38.46	0.67		117	Philippines (2009)	2.65	15.31	0.11	○
45	United States of America	5.42	38.00	0.66		118	Cambodia	2.60	14.91	0.11	
46	Lithuania	5.42	37.99	0.66		119	Bahrain (2012)	2.58	14.68	0.10	○
47	Canada (2011)	5.40	37.80	0.65		120	Zimbabwe	2.50	14.06	0.09	
48	Morocco (2009)	5.38	37.63	0.64		121	Guinea (2012)	2.47	13.82	0.08	
49	Malawi (2011)	5.35	37.45	0.63	●	122	Qatar (2008)	2.45	13.67	0.08	○
50	Benin	5.35	37.38	0.63	●	123	Azerbaijan (2011)	2.44	13.53	0.07	○
51	Switzerland	5.24	36.50	0.62		124	Bangladesh (2009)	2.23	11.87	0.06	○
52	Mexico	5.21	36.30	0.61		125	Sudan (2009)	2.23	11.85	0.05	
53	Poland	5.17	35.96	0.60		126	Lebanon (2012)	2.20	11.62	0.05	○
54	Yemen (2008)	5.15	35.79	0.60	●	127	Dominican Republic (2007)	2.19	11.50	0.04	○
55	Belarus (2012)	5.15	35.78	0.59		128	Pakistan (2012)	2.14	11.06	0.03	○
56	Saudi Arabia (2008)	5.14	35.68	0.58		129	Georgia (2012)	1.99	9.83	0.02	○
57	Rwanda (2013)	5.11	35.46	0.57		130	Sri Lanka (2012)	1.72	7.68	0.02	○
58	Germany	5.08	35.22	0.56		131	Zambia (2008)	1.35	4.59	0.01	○
59	Korea, Rep. (2009)	5.05	34.96	0.56		132	Myanmar (2011)	0.79	0.00	0.00	○
60	Cabo Verde (2011)	5.04	34.91	0.55		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
61	Latvia	5.03	34.79	0.54		n/a	China	n/a	n/a	n/a	
62	Mozambique (2006)	5.01	34.61	0.53		n/a	Honduras	n/a	n/a	n/a	
63	Spain	4.98	34.40	0.53		n/a	Jordan	n/a	n/a	n/a	
64	Hungary	4.90	33.71	0.52		n/a	Luxembourg	n/a	n/a	n/a	
65	Serbia (2011)	4.82	33.09	0.51		n/a	Montenegro	n/a	n/a	n/a	
66	Mali (2011)	4.80	32.95	0.50		n/a	Nigeria	n/a	n/a	n/a	
67	Paraguay (2011)	4.80	32.93	0.50		n/a	TFYR of Macedonia	n/a	n/a	n/a	
68	Ethiopia	4.73	32.37	0.49		n/a	Trinidad and Tobago	n/a	n/a	n/a	
69	Nepal	4.72	32.23	0.48		n/a	United Arab Emirates	n/a	n/a	n/a	
70	Bhutan (2011)	4.65	31.70	0.47		n/a	Uzbekistan	n/a	n/a	n/a	
71	Côte d'Ivoire (2008)	4.60	31.30	0.47	●						
72	Nicaragua	4.57	31.06	0.46							
73	Togo (2011)	4.52	30.63	0.45	●						

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2004–13)

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Mozambique (2006)	85.98	100.00	1.00	●	74	Venezuela, Bolivarian Rep. (2009)	16.61	15.66	0.34	
2	Lesotho (2008)	51.21	57.73	0.99	●	75	Mongolia (2011)	16.43	15.44	0.33	
3	Niger (2011)	49.24	55.33	0.98	●	76	Iran, Islamic Rep. (2012)	16.30	15.29	0.32	
4	Swaziland (2011)	40.80	45.07	0.97	●	77	Tanzania, United Rep.	16.25	15.22	0.31	
5	Cyprus	40.75	45.01	0.96	●	78	Mexico	15.92	14.82	0.30	
6	Moldova, Rep. (2012)	37.94	41.59	0.95	●	79	Oman (2011)	15.89	14.79	0.29	
7	Belgium	37.79	41.42	0.95	●	80	Namibia (2008)	15.80	14.68	0.28	
8	Portugal	36.53	39.89	0.94	●	81	Togo (2011)	15.71	14.57	0.27	
9	Finland	36.53	39.88	0.93		82	Georgia (2008)	15.49	14.30	0.26	
10	Rwanda (2012)	36.43	39.75	0.92	●	83	Israel	15.44	14.23	0.25	○
11	Malta	35.36	38.46	0.91		84	Colombia (2012)	15.23	13.98	0.25	
12	United Kingdom	33.58	36.29	0.90		85	Cabo Verde (2011)	14.78	13.44	0.24	
13	Burundi (2012)	33.51	36.21	0.89	●	86	Costa Rica (2009)	14.39	12.96	0.23	
14	Malawi (2011)	33.18	35.81	0.88	●	87	Serbia (2011)	14.06	12.56	0.22	○
15	Botswana (2009)	33.00	35.59	0.87	●	88	Bangladesh (2011)	13.93	12.41	0.21	
16	Denmark (2009)	32.98	35.56	0.86		89	Gambia	13.14	11.44	0.20	
17	Estonia	31.93	34.29	0.85		90	India (2011)	12.58	10.76	0.19	
18	Sweden	31.87	34.22	0.85		91	Nepal (2009)	12.17	10.26	0.18	
19	Bhutan (2011)	31.52	33.79	0.84	●	92	El Salvador	11.31	9.21	0.17	
20	Slovenia	31.26	33.48	0.83		93	Yemen (2011)	11.17	9.04	0.16	
21	Mali (2011)	31.15	33.34	0.82	●	94	Uruguay (2006)	10.69	8.46	0.15	○
22	Morocco (2009)	30.73	32.83	0.81	●	95	Ethiopia	10.39	8.10	0.15	
23	Austria	29.60	31.45	0.80		96	Qatar (2009)	10.29	7.98	0.14	○
24	Latvia	29.34	31.13	0.79		97	Panama (2011)	10.27	7.95	0.13	○
25	France	29.24	31.02	0.78		98	Peru (2012)	10.10	7.75	0.12	○
26	Senegal	28.95	30.67	0.77	●	99	Guinea (2012)	9.89	7.49	0.11	
27	Ireland	28.80	30.49	0.76		100	Guyana (2012)	9.83	7.42	0.10	
28	Switzerland	27.95	29.44	0.75		101	Philippines (2008)	9.14	6.58	0.09	○
29	Ukraine (2011)	27.46	28.85	0.75	●	102	Dominican Republic (2012)	8.46	5.75	0.08	○
30	Norway	27.28	28.64	0.74		103	Madagascar (2012)	8.34	5.60	0.07	
31	Spain	26.64	27.86	0.73		104	Brunei Darussalam (2013)	8.11	5.33	0.06	○
32	Ghana (2009)	26.08	27.17	0.72	●	105	Indonesia (2011)	7.67	4.79	0.05	○
33	Netherlands (2011)	25.89	26.94	0.71		106	Nicaragua	7.58	4.68	0.05	○
34	Thailand (2011)	25.89	26.94	0.70		107	Seychelles (2011)	7.11	4.11	0.04	○
35	Jamaica (2011)	25.85	26.89	0.69	●	108	Sri Lanka (2012)	6.87	3.81	0.03	○
36	Japan (2011)	25.28	26.20	0.68		109	Fiji (2011)	5.75	2.46	0.02	○
37	Italy	25.26	26.18	0.67		110	Guatemala (2011)	4.83	1.34	0.01	○
38	Argentina	25.06	25.93	0.66		111	Lebanon (2012)	3.73	0.00	0.00	○
39	Barbados	24.97	25.82	0.65		n/a	Albania	n/a	n/a	n/a	
40	Bulgaria	24.94	25.78	0.65		n/a	Algeria	n/a	n/a	n/a	
41	Germany	24.70	25.49	0.64		n/a	Angola	n/a	n/a	n/a	
42	Benin (2005)	24.69	25.48	0.63	●	n/a	Azerbaijan	n/a	n/a	n/a	
43	Poland	24.67	25.46	0.62		n/a	Bahrain	n/a	n/a	n/a	
44	Czech Republic	24.42	25.16	0.61		n/a	Belarus	n/a	n/a	n/a	
45	Tunisia (2008)	24.42	25.16	0.60		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
46	United States of America	24.34	25.06	0.59		n/a	Brazil	n/a	n/a	n/a	
47	Korea, Rep. (2009)	23.81	24.42	0.58		n/a	Cambodia	n/a	n/a	n/a	
48	Lithuania	23.30	23.80	0.57		n/a	Canada	n/a	n/a	n/a	
49	New Zealand (2011)	23.22	23.69	0.56		n/a	China	n/a	n/a	n/a	
50	Jordan	21.97	22.18	0.55		n/a	Côte d'Ivoire	n/a	n/a	n/a	
51	Hungary	21.81	21.98	0.55		n/a	Croatia	n/a	n/a	n/a	
52	Greece (2005)	21.55	21.67	0.54		n/a	Egypt	n/a	n/a	n/a	
53	Kenya (2006)	21.17	21.20	0.53		n/a	Honduras	n/a	n/a	n/a	
54	Iceland	21.14	21.16	0.52		n/a	Kazakhstan	n/a	n/a	n/a	
55	Kuwait (2011)	20.94	20.92	0.51		n/a	Kyrgyzstan	n/a	n/a	n/a	
56	Cameroon (2011)	20.91	20.89	0.50	●	n/a	Montenegro	n/a	n/a	n/a	
57	Uganda (2009)	20.66	20.59	0.49		n/a	Myanmar	n/a	n/a	n/a	
58	Luxembourg	20.34	20.19	0.48		n/a	Nigeria	n/a	n/a	n/a	
59	Australia	19.88	19.63	0.47	○	n/a	Pakistan	n/a	n/a	n/a	
60	Malaysia (2011)	19.87	19.62	0.46		n/a	Russian Federation	n/a	n/a	n/a	
61	South Africa	19.73	19.45	0.45		n/a	Sudan	n/a	n/a	n/a	
62	Slovakia	19.61	19.31	0.45		n/a	Tajikistan	n/a	n/a	n/a	
63	Bolivia, Plurinational St. (2011)	19.53	19.21	0.44		n/a	TFYR of Macedonia	n/a	n/a	n/a	
64	Mauritius (2012)	19.03	18.60	0.43		n/a	Trinidad and Tobago	n/a	n/a	n/a	
65	Saudi Arabia (2007)	18.11	17.49	0.42		n/a	Turkey	n/a	n/a	n/a	
66	Chile (2012)	17.94	17.27	0.41		n/a	United Arab Emirates	n/a	n/a	n/a	
67	Armenia (2012)	17.75	17.04	0.40		n/a	Uzbekistan	n/a	n/a	n/a	
68	Ecuador (2011)	17.65	16.92	0.39		n/a	Viet Nam	n/a	n/a	n/a	
69	Romania (2009)	17.47	16.71	0.38		n/a	Zambia	n/a	n/a	n/a	
70	Hong Kong (China) (2012)	17.31	16.52	0.37	○	n/a	Zimbabwe	n/a	n/a	n/a	
71	Burkina Faso (2012)	17.09	16.24	0.36							
72	Paraguay (2011)	17.01	16.15	0.35							
73	Singapore	17.00	16.14	0.35	○						

SOURCE: UNESCO Institute for Statistics, UIS online database (2004–13)

NOTE: ● indicates a strength; ○ a weakness.

2.1.3 School life expectancy

School life expectancy, primary to tertiary education (years) | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Australia	19.86	100.00	1.00	●	74	China (2012)	13.07	52.97	0.43	
2	New Zealand	19.39	96.71	0.99	●	75	Mexico	12.78	50.95	0.42	
3	Iceland	18.70	91.94	0.98	●	76	Malaysia (2005)	12.73	50.60	0.41	
4	Ireland	18.57	91.03	0.98	●	77	Bhutan (2012)	12.73	50.59	0.40	
5	Netherlands	17.91	86.46	0.97		78	Indonesia	12.72	50.55	0.39	
6	Norway	17.56	84.04	0.96		79	Kyrgyzstan	12.51	49.09	0.39	
7	Spain	17.15	81.17	0.95	●	80	Jamaica (2004)	12.49	48.96	0.38	
8	Finland	17.03	80.34	0.94		81	Panama	12.39	48.25	0.37	
9	Korea, Rep.	16.97	79.98	0.94		82	Slovakia (2012)	12.38	48.20	0.36	
10	Denmark (2010)	16.93	79.67	0.93		83	Nepal	12.35	47.99	0.35	
11	Slovenia (2012)	16.81	78.82	0.92	●	84	Armenia (2009)	12.32	47.74	0.35	
12	Lithuania	16.65	77.74	0.91	●	85	Trinidad and Tobago (2004)	12.27	47.40	0.34	
13	United States of America	16.52	76.81	0.91		86	El Salvador (2012)	12.26	47.31	0.33	
14	Greece (2007)	16.50	76.73	0.90	●	87	Togo	12.23	47.17	0.32	
15	Estonia (2010)	16.49	76.66	0.89		88	Azerbaijan (2012)	11.94	45.13	0.31	
16	Argentina (2010)	16.44	76.30	0.88	●	89	Paraguay (2010)	11.91	44.93	0.31	
17	Czech Republic	16.39	75.91	0.87		90	Moldova, Rep. (2012)	11.84	44.46	0.30	
18	Italy	16.28	75.19	0.87	●	91	India	11.70	43.44	0.29	
19	Germany	16.28	75.16	0.86		92	Botswana (2006)	11.69	43.42	0.28	
20	Portugal (2010)	16.27	75.14	0.85		93	Seychelles	11.58	42.67	0.28	
21	Belgium	16.23	74.85	0.84		94	Morocco	11.57	42.54	0.27	
22	United Kingdom	16.22	74.73	0.83		95	Uzbekistan	11.51	42.16	0.26	
23	France	15.99	73.16	0.83		96	Ghana (2012)	11.50	42.10	0.25	
24	Sweden	15.80	71.86	0.82		97	Honduras (2012)	11.40	41.40	0.24	
25	Belarus (2012)	15.73	71.40	0.81	●	98	Namibia (2006)	11.34	41.00	0.24	
26	Fiji	15.72	71.31	0.80	●	99	Swaziland	11.33	40.92	0.23	
27	Switzerland	15.70	71.14	0.80		100	Angola	11.32	40.81	0.22	
28	Israel (2009)	15.67	70.97	0.79		101	Philippines (2009)	11.28	40.54	0.21	
29	Saudi Arabia (2012)	15.64	70.78	0.78		102	Tajikistan	11.17	39.83	0.20	
30	Austria	15.62	70.64	0.77		103	Lesotho (2012)	11.14	39.59	0.20	
31	Hong Kong (China) (2012)	15.62	70.58	0.76		104	Benin	11.05	38.96	0.19	
32	Mauritius (2012)	15.58	70.30	0.76		105	Kenya (2009)	10.98	38.51	0.18	
33	Latvia	15.54	70.08	0.75		106	Cambodia (2008)	10.90	37.96	0.17	
34	Poland (2012)	15.50	69.80	0.74		107	Uganda (2009)	10.75	36.92	0.17	
35	Uruguay (2010)	15.50	69.79	0.73	●	108	Malawi	10.75	36.91	0.16	
36	Barbados	15.42	69.22	0.72		109	Guatemala (2007)	10.62	36.01	0.15	
37	Hungary	15.36	68.82	0.72		110	Cameroon	10.40	34.45	0.14	
38	Japan	15.27	68.16	0.71		111	Madagascar (2012)	10.35	34.09	0.13	
39	Chile (2012)	15.25	68.02	0.70		112	Guyana (2012)	10.29	33.71	0.13	
40	Montenegro (2010)	15.18	67.55	0.69		113	Rwanda (2012)	10.24	33.33	0.12	
41	Iran, Islamic Rep. (2012)	15.18	67.55	0.69	●	114	Burundi (2010)	10.11	32.42	0.11	
42	Ukraine (2012)	15.09	66.91	0.68		115	Bangladesh	9.98	31.53	0.10	
43	Kazakhstan (2012)	15.02	66.48	0.67		116	Mozambique	9.50	28.25	0.09	
44	Mongolia (2012)	15.02	66.44	0.66		117	Tanzania, United Rep. (2012)	9.17	25.95	0.09	○
45	Kuwait (2004)	14.64	63.80	0.65		118	Yemen	9.15	25.84	0.08	
46	Tunisia	14.62	63.71	0.65		119	Gambia (2008)	9.14	25.75	0.07	○
47	Croatia	14.54	63.15	0.64		120	Nigeria (2005)	8.97	24.59	0.06	
48	Malta	14.54	63.12	0.63		121	Guinea (2012)	8.70	22.70	0.06	
49	Brunei Darussalam (2012)	14.53	63.05	0.62		122	Myanmar (2007)	8.63	22.19	0.05	
50	Turkey	14.41	62.20	0.61		123	Mali	8.43	20.80	0.04	
51	Bulgaria	14.30	61.48	0.61		124	Senegal (2010)	7.95	17.47	0.03	○
52	Brazil (2005)	14.23	60.99	0.60		125	Pakistan (2012)	7.69	15.69	0.02	○
53	Venezuela, Bolivarian Rep. (2009)	14.22	60.90	0.59	●	126	Burkina Faso (2012)	7.52	14.52	0.02	○
54	Romania	14.06	59.84	0.58		127	Ethiopia (2005)	6.60	8.19	0.01	○
55	Russian Federation (2009)	13.98	59.25	0.57		128	Niger (2012)	5.42	0.00	0.00	○
56	Algeria	13.97	59.15	0.57	●	n/a	Albania	n/a	n/a	n/a	
57	Cyprus	13.95	59.07	0.56		n/a	Bahrain	n/a	n/a	n/a	
58	Luxembourg (2010)	13.88	58.59	0.55		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
59	Qatar (2005)	13.79	57.91	0.54		n/a	Canada	n/a	n/a	n/a	
60	Sri Lanka (2012)	13.71	57.41	0.54		n/a	Côte d'Ivoire	n/a	n/a	n/a	
61	Costa Rica (2012)	13.70	57.30	0.53		n/a	Dominican Republic	n/a	n/a	n/a	
62	Serbia (2012)	13.65	56.96	0.52		n/a	Ecuador	n/a	n/a	n/a	
63	Oman	13.57	56.41	0.51		n/a	Nicaragua	n/a	n/a	n/a	
64	TFYR of Macedonia (2010)	13.27	54.35	0.50		n/a	Singapore	n/a	n/a	n/a	
65	Jordan	13.27	54.35	0.50		n/a	South Africa	n/a	n/a	n/a	
66	Cabo Verde (2012)	13.23	54.09	0.49		n/a	Sudan	n/a	n/a	n/a	
67	Georgia (2009)	13.23	54.04	0.48		n/a	United Arab Emirates	n/a	n/a	n/a	
68	Colombia (2012)	13.22	53.96	0.47		n/a	Viet Nam	n/a	n/a	n/a	
69	Lebanon (2012)	13.16	53.61	0.46		n/a	Zambia	n/a	n/a	n/a	
70	Bolivia, Plurinational St. (2007)	13.15	53.52	0.46		n/a	Zimbabwe	n/a	n/a	n/a	
71	Egypt	13.13	53.35	0.45							
72	Peru (2010)	13.12	53.33	0.44							
73	Thailand (2009)	13.08	53.05	0.43							

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2004–12)

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank
1	China	587.46	100.00	1.00	●	n/a	Bosnia and Herzegovina	n/a	n/a	n/a
2	Singapore	555.73	87.38	0.98		n/a	Botswana	n/a	n/a	n/a
3	Hong Kong (China)	553.59	86.53	0.97		n/a	Brunei Darussalam	n/a	n/a	n/a
4	Korea, Rep.	542.45	82.10	0.95		n/a	Burkina Faso	n/a	n/a	n/a
5	Japan	540.40	81.28	0.93		n/a	Burundi	n/a	n/a	n/a
6	Finland	529.40	76.91	0.92		n/a	Cabo Verde	n/a	n/a	n/a
7	Estonia	526.08	75.59	0.90		n/a	Cambodia	n/a	n/a	n/a
8	Canada	522.21	74.05	0.89		n/a	Cameroon	n/a	n/a	n/a
9	Poland	520.50	73.37	0.87	●	n/a	Côte d'Ivoire	n/a	n/a	n/a
10	Netherlands	518.75	72.68	0.85		n/a	Cyprus	n/a	n/a	n/a
11	Switzerland	518.42	72.55	0.84		n/a	Dominican Republic	n/a	n/a	n/a
12	Ireland	515.56	71.41	0.82		n/a	Ecuador	n/a	n/a	n/a
13	Germany	515.11	71.23	0.80		n/a	Egypt	n/a	n/a	n/a
14	Australia	512.48	70.18	0.79		n/a	El Salvador	n/a	n/a	n/a
15	Belgium	509.77	69.10	0.77		n/a	Ethiopia	n/a	n/a	n/a
16	New Zealand	509.19	68.87	0.75		n/a	Fiji	n/a	n/a	n/a
17	United Kingdom	502.46	66.20	0.74		n/a	Gambia	n/a	n/a	n/a
18	Austria	500.31	65.34	0.72		n/a	Georgia	n/a	n/a	n/a
19	Czech Republic	500.05	65.24	0.70		n/a	Ghana	n/a	n/a	n/a
20	France	499.81	65.14	0.69		n/a	Guatemala	n/a	n/a	n/a
21	Slovenia	498.86	64.77	0.67		n/a	Guinea	n/a	n/a	n/a
22	Denmark	498.21	64.51	0.66		n/a	Guyana	n/a	n/a	n/a
23	Norway	495.94	63.61	0.64		n/a	Honduras	n/a	n/a	n/a
24	Latvia	493.82	62.76	0.62		n/a	Iran, Islamic Rep.	n/a	n/a	n/a
25	United States of America	492.12	62.09	0.61		n/a	Jamaica	n/a	n/a	n/a
26	Luxembourg	489.62	61.09	0.59		n/a	Kenya	n/a	n/a	n/a
27	Spain	489.57	61.07	0.57		n/a	Kuwait	n/a	n/a	n/a
28	Italy	489.54	61.06	0.56		n/a	Kyrgyzstan	n/a	n/a	n/a
29	Portugal	488.03	60.46	0.54		n/a	Lebanon	n/a	n/a	n/a
30	Hungary	486.60	59.89	0.52		n/a	Lesotho	n/a	n/a	n/a
31	Iceland	484.49	59.05	0.51		n/a	Madagascar	n/a	n/a	n/a
32	Lithuania	483.94	58.83	0.49		n/a	Malawi	n/a	n/a	n/a
33	Croatia	482.35	58.20	0.48		n/a	Mali	n/a	n/a	n/a
34	Sweden	482.13	58.11	0.46	○	n/a	Malta	n/a	n/a	n/a
35	Russian Federation	481.20	57.74	0.44		n/a	Mauritius	n/a	n/a	n/a
36	Israel	474.12	54.93	0.43	○	n/a	Moldova, Rep.	n/a	n/a	n/a
37	Slovakia	471.87	54.03	0.41		n/a	Mongolia	n/a	n/a	n/a
38	United Arab Emirates	468.74	52.79	0.39		n/a	Morocco	n/a	n/a	n/a
39	Greece	465.63	51.55	0.38		n/a	Mozambique	n/a	n/a	n/a
40	Turkey	462.30	50.23	0.36		n/a	Myanmar	n/a	n/a	n/a
41	Serbia	446.60	43.98	0.34		n/a	Namibia	n/a	n/a	n/a
42	Bulgaria	440.44	41.54	0.33		n/a	Nepal	n/a	n/a	n/a
43	Romania	440.31	41.48	0.31		n/a	Nicaragua	n/a	n/a	n/a
44	Thailand	437.32	40.29	0.30		n/a	Niger	n/a	n/a	n/a
45	Chile	436.32	39.90	0.28	○	n/a	Nigeria	n/a	n/a	n/a
46	Costa Rica	425.63	35.64	0.26		n/a	Oman	n/a	n/a	n/a
47	Mexico	417.25	32.31	0.25		n/a	Pakistan	n/a	n/a	n/a
48	Kazakhstan	416.41	31.98	0.23		n/a	Panama	n/a	n/a	n/a
49	Montenegro	413.95	31.00	0.21	○	n/a	Paraguay	n/a	n/a	n/a
50	Venezuela, Bolivarian Rep. (2010)	413.44	30.80	0.20		n/a	Philippines	n/a	n/a	n/a
51	Malaysia	412.74	30.52	0.18	○	n/a	Rwanda	n/a	n/a	n/a
52	Uruguay	412.16	30.29	0.16	○	n/a	Saudi Arabia	n/a	n/a	n/a
53	Brazil	402.10	26.29	0.15	○	n/a	Senegal	n/a	n/a	n/a
54	Jordan	398.00	24.66	0.13	○	n/a	Seychelles	n/a	n/a	n/a
55	Argentina	396.68	24.13	0.11	○	n/a	South Africa	n/a	n/a	n/a
56	Tunisia	396.65	24.12	0.10	○	n/a	Sri Lanka	n/a	n/a	n/a
57	Albania	395.22	23.55	0.08	○	n/a	Sudan	n/a	n/a	n/a
58	Colombia	392.86	22.61	0.07	○	n/a	Swaziland	n/a	n/a	n/a
59	Indonesia	384.38	19.24	0.05	○	n/a	Tajikistan	n/a	n/a	n/a
60	Qatar	382.53	18.50	0.03	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a
61	Peru	375.12	15.56	0.02	○	n/a	TFYR of Macedonia	n/a	n/a	n/a
62	India (2010)	336.00	0.00	0.00	○	n/a	Togo	n/a	n/a	n/a
n/a	Algeria	n/a	n/a	n/a		n/a	Trinidad and Tobago	n/a	n/a	n/a
n/a	Angola	n/a	n/a	n/a		n/a	Uganda	n/a	n/a	n/a
n/a	Armenia	n/a	n/a	n/a		n/a	Ukraine	n/a	n/a	n/a
n/a	Azerbaijan	n/a	n/a	n/a		n/a	Uzbekistan	n/a	n/a	n/a
n/a	Bahrain	n/a	n/a	n/a		n/a	Viet Nam	n/a	n/a	n/a
n/a	Bangladesh	n/a	n/a	n/a		n/a	Yemen	n/a	n/a	n/a
n/a	Barbados	n/a	n/a	n/a		n/a	Zambia	n/a	n/a	n/a
n/a	Belarus	n/a	n/a	n/a		n/a	Zimbabwe	n/a	n/a	n/a
n/a	Benin	n/a	n/a	n/a						
n/a	Bhutan	n/a	n/a	n/a						
n/a	Bolivia, Plurinational St.	n/a	n/a	n/a						

SOURCE: OECD Programme for International Student Assessment (PISA) (2010–2012)

NOTE: ● indicates a strength; ○ a weakness.

2.1.5 Pupil-teacher ratio, secondary

Pupil-teacher ratio, secondary | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Portugal (2010)	7.35	100.00	1.00	●	74	Mexico	17.68	70.07	0.36	
2	Georgia (2009)	7.57	99.36	0.99	●	75	Hong Kong (China) (2005)	17.76	69.84	0.35	○
3	Greece (2007)	7.88	98.45	0.98	●	76	Bolivia, Plurinational St. (2007)	18.17	68.65	0.34	
4	Malta	7.95	98.26	0.97	●	77	Uganda (2008)	18.54	67.56	0.33	
5	Croatia	8.00	98.11	0.96	●	78	Morocco (2004)	18.73	67.03	0.32	
6	Kuwait (2009)	8.17	97.60	0.96	●	79	Bhutan (2012)	19.89	63.66	0.32	
7	Latvia	8.33	97.15	0.95	●	80	Thailand	19.91	63.60	0.31	
8	Russian Federation (2009)	8.47	96.76	0.94	●	81	Chile (2012)	20.04	63.21	0.30	○
9	Luxembourg (2010)	8.50	96.67	0.93		82	Guyana (2012)	20.29	62.49	0.29	
10	Lithuania	8.56	96.48	0.92	●	83	Cameroon (2012)	21.43	59.18	0.28	
11	Kazakhstan (2012)	8.60	96.37	0.91	●	84	Rwanda (2012)	22.91	54.89	0.27	
12	Poland (2012)	8.66	96.19	0.90	●	85	Benin (2004)	23.93	51.94	0.26	
13	Estonia (2010)	8.76	95.90	0.89		86	El Salvador	24.35	50.74	0.25	
14	Paraguay	8.87	95.59	0.89	●	87	Namibia (2007)	24.62	49.94	0.25	
15	Slovenia	8.96	95.32	0.88		88	Lesotho (2012)	24.69	49.74	0.24	
16	Serbia (2012)	9.07	95.00	0.87	●	89	Mali	24.72	49.66	0.23	
17	Lebanon	9.31	94.32	0.86	●	90	South Africa (2009)	25.05	48.71	0.22	○
18	Finland	9.50	93.75	0.85		91	Colombia (2012)	25.40	47.70	0.21	○
19	Sweden	9.51	93.73	0.84		92	India	25.92	46.18	0.20	
20	Austria (2012)	9.54	93.65	0.83		93	Togo	26.25	45.24	0.19	
21	Moldova, Rep. (2012)	9.57	93.55	0.82		94	Burkina Faso (2012)	26.33	44.98	0.18	
22	Cyprus	9.73	93.10	0.82		95	Tanzania, United Rep. (2012)	26.39	44.81	0.18	
23	Qatar (2012)	9.73	93.10	0.81		96	Fiji	26.47	44.60	0.17	
24	Israel (2009)	9.76	93.00	0.80		97	Senegal	27.35	42.03	0.16	
25	Bahrain (2012)	9.82	92.84	0.79		98	Angola	27.42	41.84	0.15	
26	Hungary	10.03	92.23	0.78		99	Madagascar (2012)	27.64	41.21	0.14	
27	Brunei Darussalam (2012)	10.09	92.05	0.77	●	100	Cambodia (2007)	28.92	37.48	0.13	
28	Italy (2007)	10.10	92.02	0.76		101	Dominican Republic (2012)	29.18	36.75	0.12	○
29	Argentina (2008)	10.90	89.71	0.75		102	Nepal (2013)	29.18	36.74	0.11	
30	Czech Republic (2012)	11.19	88.86	0.75		103	Kenya (2009)	29.68	35.29	0.11	○
31	Uruguay (2010)	11.32	88.49	0.74	●	104	Burundi (2012)	29.71	35.20	0.10	
32	Saudi Arabia (2009)	11.32	88.49	0.73		105	Bangladesh	30.62	32.55	0.09	
33	Slovakia (2012)	11.35	88.42	0.72		106	Nicaragua (2010)	30.83	31.95	0.08	○
34	Spain (2012)	11.35	88.40	0.71		107	Mozambique (2012)	33.07	25.45	0.07	○
35	Ecuador (2012)	11.52	87.91	0.70	●	108	Nigeria (2010)	33.08	25.43	0.06	
36	Seychelles	11.79	87.13	0.69		109	Guinea	33.14	25.27	0.05	
37	Japan	11.79	87.11	0.68		110	Myanmar (2010)	34.08	22.54	0.04	
38	TFYR of Macedonia (2010)	11.91	86.77	0.68		111	Niger	34.68	20.80	0.04	
39	Egypt (2009)	12.13	86.13	0.67	●	112	Philippines (2009)	34.81	20.41	0.03	○
40	Bulgaria	12.30	85.65	0.66		113	Ethiopia (2012)	39.70	6.25	0.02	○
41	France (2012)	12.83	84.10	0.65		114	Malawi (2012)	41.52	0.97	0.01	○
42	Germany	12.88	83.97	0.64		115	Pakistan (2004)	41.86	0.00	0.00	○
43	Romania	12.96	83.73	0.63		n/a	Algeria	n/a	n/a	n/a	
44	Uzbekistan	13.28	82.82	0.62	●	n/a	Armenia	n/a	n/a	n/a	
45	Netherlands	13.57	81.96	0.61		n/a	Australia	n/a	n/a	n/a	
46	Malaysia	13.58	81.94	0.61		n/a	Azerbaijan	n/a	n/a	n/a	
47	Tunisia	13.62	81.81	0.60		n/a	Belarus	n/a	n/a	n/a	
48	Botswana (2007)	13.88	81.07	0.59		n/a	Belgium	n/a	n/a	n/a	
49	Panama (2012)	14.18	80.19	0.58		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
50	United Kingdom (2008)	14.27	79.94	0.57	○	n/a	Canada	n/a	n/a	n/a	
51	United Arab Emirates (2012)	14.30	79.84	0.56		n/a	Côte d'Ivoire	n/a	n/a	n/a	
52	New Zealand	14.37	79.65	0.55		n/a	Denmark	n/a	n/a	n/a	
53	Mongolia (2010)	14.49	79.29	0.54		n/a	Gambia	n/a	n/a	n/a	
54	Guatemala	14.49	79.29	0.54		n/a	Honduras	n/a	n/a	n/a	
55	China (2012)	14.50	79.26	0.53		n/a	Iceland	n/a	n/a	n/a	
56	Barbados (2006)	14.58	79.03	0.52		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
57	United States of America (2012)	14.66	78.80	0.51		n/a	Ireland	n/a	n/a	n/a	
58	Mauritius (2012)	14.71	78.67	0.50		n/a	Jordan	n/a	n/a	n/a	
59	Indonesia	14.77	78.50	0.49		n/a	Montenegro	n/a	n/a	n/a	
60	Albania (2012)	14.89	78.13	0.48		n/a	Norway	n/a	n/a	n/a	
61	Singapore (2009)	14.91	78.08	0.47	○	n/a	Oman	n/a	n/a	n/a	
62	Costa Rica	14.92	78.05	0.46		n/a	Sudan	n/a	n/a	n/a	
63	Kyrgyzstan (2010)	15.21	77.22	0.46		n/a	Switzerland	n/a	n/a	n/a	
64	Tajikistan	15.44	76.55	0.45		n/a	Trinidad and Tobago	n/a	n/a	n/a	
65	Yemen	16.09	74.68	0.44	●	n/a	Turkey	n/a	n/a	n/a	
66	Korea, Rep.	16.16	74.45	0.43		n/a	Ukraine	n/a	n/a	n/a	
67	Swaziland	16.40	73.78	0.42		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Brazil (2010)	16.66	73.00	0.41		n/a	Viet Nam	n/a	n/a	n/a	
69	Peru (2012)	16.75	72.75	0.40		n/a	Zambia	n/a	n/a	n/a	
70	Cabo Verde (2012)	16.79	72.62	0.39		n/a	Zimbabwe	n/a	n/a	n/a	
71	Jamaica	16.81	72.58	0.39							
72	Sri Lanka (2012)	17.28	71.21	0.38							
73	Ghana (2013)	17.53	70.49	0.37							

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2004–13)

NOTE: ● indicates a strength; ○ a weakness.

2.2.1 Tertiary enrolment

School enrolment, tertiary (% gross) | 2011

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Korea, Rep. (2012)	98.47	100.00	1.00	●	74	Algeria (2012)	31.46	31.39	0.45	●
2	Finland	95.54	97.00	0.99	●	75	Jamaica (2012)	30.82	30.73	0.44	
3	United States of America	95.33	96.79	0.98	●	76	Egypt	28.75	28.61	0.44	
4	Belarus (2012)	91.45	92.81	0.98	●	77	Philippines (2009)	28.20	28.04	0.43	
5	Greece (2007)	91.39	92.75	0.97	●	78	Oman	28.14	27.98	0.42	
6	Slovenia (2012)	86.02	87.26	0.96	●	79	Georgia (2012)	27.93	27.77	0.41	
7	Australia	83.24	84.41	0.95	●	80	Mexico	27.69	27.52	0.41	
8	Spain	82.62	83.76	0.95	●	81	Indonesia	27.20	27.02	0.40	
9	Iceland	80.94	82.05	0.94		82	China (2012)	26.70	26.51	0.39	
10	New Zealand	80.78	81.89	0.93		83	El Salvador (2012)	25.45	25.23	0.38	
11	Ukraine (2012)	79.70	80.78	0.92	●	84	Viet Nam (2012)	24.60	24.36	0.38	
12	Venezuela, Bolivarian Rep. (2009)	77.91	78.95	0.92	●	85	Brunei Darussalam (2012)	24.34	24.09	0.37	
13	Lithuania	76.60	77.61	0.91	●	86	India	23.27	23.00	0.36	
14	Netherlands	76.42	77.42	0.90		87	Tajikistan (2012)	22.47	22.18	0.35	
15	Russian Federation (2009)	75.47	76.45	0.89	●	88	Kuwait (2004)	22.30	22.00	0.35	
16	Argentina (2010)	74.83	75.79	0.89	●	89	Cabo Verde (2012)	20.61	20.27	0.34	
17	Chile (2012)	74.39	75.34	0.88	●	90	Azerbaijan (2012)	20.44	20.09	0.33	
18	Sweden	73.95	74.89	0.87		91	Honduras (2012)	20.40	20.05	0.32	
19	Denmark (2010)	73.58	74.51	0.86		92	Luxembourg (2010)	18.21	17.81	0.32	○
20	Ireland	73.47	74.40	0.86		93	Guatemala (2007)	17.88	17.47	0.31	
21	Poland (2012)	73.19	74.12	0.85	●	94	Sri Lanka (2012)	16.97	16.54	0.30	
22	Norway	73.09	74.01	0.84		95	Morocco	16.16	15.71	0.29	
23	Estonia (2010)	71.65	72.54	0.83		96	Cambodia	15.83	15.38	0.29	
24	Austria	71.00	71.87	0.83		97	Nepal	14.49	14.00	0.28	
25	Belgium	69.26	70.09	0.82		98	Myanmar	13.81	13.31	0.27	
26	Latvia	67.28	68.07	0.81		99	Bangladesh	13.15	12.63	0.26	
27	Portugal (2010)	65.95	66.70	0.80		100	Guyana (2012)	12.91	12.39	0.26	
28	Czech Republic	64.58	65.30	0.80		101	Benin	12.37	11.83	0.25	
29	Italy	63.86	64.56	0.79		102	Ghana (2012)	12.20	11.66	0.24	
30	Uruguay (2010)	63.15	63.83	0.78	●	103	Qatar (2012)	12.15	11.60	0.23	
31	Israel (2009)	62.38	63.04	0.77		104	Trinidad and Tobago (2004)	11.95	11.41	0.23	
32	Fiji	61.93	62.58	0.77	●	105	Cameroon	11.91	11.36	0.22	
33	United Kingdom	61.17	61.80	0.76		106	Lesotho (2012)	10.83	10.25	0.21	
34	Mongolia (2012)	61.10	61.73	0.75		107	Nigeria (2005)	10.41	9.82	0.20	
35	Barbados	60.84	61.47	0.74		108	Togo (2012)	10.31	9.73	0.20	
36	Turkey	60.68	61.31	0.74		109	Yemen	10.29	9.70	0.19	
37	Hong Kong (China) (2012)	60.13	60.73	0.73		110	Ghana (2012)	9.93	9.34	0.18	
38	Japan	59.92	60.53	0.72		111	Pakistan (2012)	9.53	8.92	0.17	
39	Bulgaria	59.63	60.22	0.71		112	Bhutan (2012)	9.43	8.82	0.17	
40	Hungary	59.51	60.10	0.71		113	Namibia (2008)	9.33	8.72	0.16	
41	Croatia	58.81	59.38	0.70		114	Uganda	9.06	8.44	0.15	
42	France	57.06	57.60	0.69		115	Uzbekistan	8.87	8.25	0.14	
43	Germany	56.53	57.05	0.68		116	Côte d'Ivoire (2010)	8.36	7.73	0.14	
44	Montenegro (2010)	55.53	56.03	0.68		117	Senegal (2010)	7.63	6.98	0.13	
45	Albania (2012)	55.50	56.00	0.67		118	Angola	7.50	6.84	0.12	
46	Iran, Islamic Rep. (2012)	55.16	55.65	0.66	●	119	Mali (2012)	7.47	6.82	0.11	
47	Slovakia	55.07	55.56	0.65		120	Botswana (2006)	7.43	6.78	0.11	○
48	Switzerland	54.34	54.81	0.65		121	Rwanda (2012)	6.90	6.23	0.10	
49	Serbia (2012)	52.38	52.80	0.64		122	Swaziland	5.96	5.27	0.09	○
50	Romania	51.60	52.00	0.63		123	Zimbabwe (2012)	5.94	5.25	0.08	
51	Thailand (2012)	51.40	51.80	0.62		124	Mozambique	4.85	4.13	0.08	
52	Saudi Arabia (2012)	50.94	51.32	0.62		125	Burkina Faso (2012)	4.56	3.84	0.07	
53	Costa Rica (2012)	46.74	47.03	0.61		126	Gambia (2008)	4.47	3.74	0.06	○
54	Cyprus	46.54	46.82	0.60		127	Madagascar (2012)	4.09	3.35	0.05	
55	Lebanon (2012)	46.26	46.54	0.59		128	Kenya (2009)	4.05	3.31	0.05	○
56	Armenia (2012)	46.04	46.31	0.59		129	Tanzania, United Rep. (2012)	3.92	3.18	0.04	○
57	Colombia (2012)	45.02	45.27	0.58		130	Burundi (2010)	3.17	2.41	0.03	
58	Kazakhstan (2012)	44.53	44.76	0.57		131	Ethiopia (2005)	2.79	2.02	0.02	○
59	Peru (2010)	42.64	42.83	0.56		132	Niger (2012)	1.75	0.96	0.02	○
60	Panama	41.78	41.95	0.56		133	Seychelles (2012)	1.39	0.59	0.01	○
61	Kyrgyzstan	41.35	41.50	0.55		134	Malawi	0.81	0.00	0.00	○
62	TFYR of Macedonia	40.76	40.90	0.54		n/a	Brazil	n/a	n/a	n/a	
63	Moldova, Rep. (2012)	40.11	40.24	0.53		n/a	Canada	n/a	n/a	n/a	
64	Jordan	39.94	40.06	0.53		n/a	Dominican Republic	n/a	n/a	n/a	
65	Mauritius (2012)	39.86	39.99	0.52		n/a	Nicaragua	n/a	n/a	n/a	
66	Malta	39.44	39.56	0.51		n/a	Singapore	n/a	n/a	n/a	
67	Ecuador (2008)	38.92	39.02	0.50		n/a	South Africa	n/a	n/a	n/a	
68	Bosnia and Herzegovina (2012)	37.74	37.81	0.50		n/a	Sudan	n/a	n/a	n/a	
69	Bolivia, Plurinational St. (2007)	37.69	37.76	0.49		n/a	United Arab Emirates	n/a	n/a	n/a	
70	Malaysia	35.97	36.00	0.48		n/a	Zambia	n/a	n/a	n/a	
71	Tunisia (2012)	35.20	35.21	0.47							
72	Paraguay (2010)	34.51	34.51	0.47							
73	Bahrain (2012)	33.46	33.43	0.46							

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2004–12)

NOTE: ● indicates a strength; ○ a weakness.

2.2.2 Graduates in science and engineering

Tertiary graduates in science, engineering, manufacturing, and construction (% of total tertiary graduates) | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Thailand (2010)	53.22	100.00	1.00	●	74	Belgium	16.53	27.46	0.29	○
2	Iran, Islamic Rep. (2012)	47.22	88.14	0.99	●	75	Hungary	16.52	27.44	0.28	
3	Tunisia (2012)	42.38	78.57	0.98	●	76	Azerbaijan (2012)	16.21	26.82	0.27	
4	Oman (2010)	38.94	71.77	0.97	●	77	Jordan	16.12	26.65	0.26	
5	Myanmar	38.66	71.22	0.96	●	78	Armenia (2010)	15.92	26.24	0.25	
6	Malaysia	37.68	69.27	0.95	●	79	Latvia	15.69	25.80	0.24	○
7	Morocco (2010)	34.91	63.79	0.94	●	80	Kyrgyzstan (2012)	15.64	25.69	0.23	
8	Hong Kong (China) (2006)	34.67	63.32	0.93		81	Iceland (2010)	15.64	25.69	0.22	○
9	Qatar (2012)	33.57	61.15	0.92	●	82	Uruguay (2010)	15.60	25.62	0.21	○
10	Luxembourg (2008)	32.54	59.12	0.91		83	Bangladesh	15.57	25.55	0.20	
11	Korea, Rep. (2012)	31.06	56.19	0.90		84	United States of America (2010)	15.47	25.36	0.19	○
12	Trinidad and Tobago (2004)	30.38	54.85	0.89	●	85	Ethiopia (2010)	15.23	24.90	0.18	
13	Saudi Arabia (2012)	28.95	52.02	0.88	●	86	Barbados	14.99	24.40	0.17	○
14	Russian Federation (2009)	28.11	50.35	0.87	●	87	Ghana (2012)	14.18	22.80	0.17	
15	Finland	27.75	49.64	0.86		88	Honduras (2012)	14.13	22.72	0.16	
16	Greece (2010)	27.54	49.22	0.85	●	89	Netherlands	13.73	21.91	0.15	○
17	Belarus (2012)	27.17	48.50	0.84	●	90	Argentina (2010)	13.51	21.48	0.14	○
18	Austria	27.12	48.39	0.83		91	Guyana (2012)	13.44	21.35	0.13	
19	Germany	26.91	47.97	0.83		92	Ecuador (2008)	12.81	20.10	0.12	
20	Mexico	26.80	47.77	0.82	●	93	Benin	12.67	19.83	0.11	
21	France (2009)	26.06	46.30	0.81		94	Lesotho (2012)	12.55	19.59	0.10	
22	Sweden	25.81	45.81	0.80		95	Cambodia (2008)	12.49	19.47	0.09	
23	Ukraine (2012)	25.57	45.33	0.79	●	96	Brazil (2012)	11.96	18.42	0.08	○
24	Tajikistan (2012)	25.50	45.20	0.78	●	97	Costa Rica	11.90	18.30	0.07	○
25	Spain	25.30	44.79	0.77		98	Nepal	11.78	18.06	0.06	○
26	Seychelles	25.00	44.20	0.76	●	99	Burundi (2010)	9.58	13.72	0.05	
27	Algeria	24.95	44.11	0.75	●	100	Uganda (2004)	9.53	13.62	0.04	○
28	Serbia (2012)	24.80	43.80	0.74		101	Mozambique	8.90	12.37	0.03	○
29	Slovenia (2012)	24.74	43.69	0.73		102	Niger (2008)	4.28	3.23	0.02	○
30	Portugal	24.61	43.43	0.72		103	Swaziland (2006)	2.71	0.14	0.01	○
31	Viet Nam (2012)	24.05	42.32	0.71		104	Namibia (2008)	2.64	0.00	0.00	○
32	Lebanon (2012)	23.35	40.94	0.70		n/a	Angola	n/a	n/a	n/a	
33	Zimbabwe (2012)	23.28	40.80	0.69	●	n/a	Bhutan	n/a	n/a	n/a	
34	Ireland (2010)	23.20	40.65	0.68		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
35	Indonesia (2010)	22.77	39.79	0.67		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
36	Rwanda (2012)	22.45	39.17	0.66		n/a	Botswana	n/a	n/a	n/a	
37	United Kingdom	22.35	38.96	0.65	○	n/a	Cabo Verde	n/a	n/a	n/a	
38	Turkey	22.26	38.78	0.64		n/a	Canada	n/a	n/a	n/a	
39	Panama	22.03	38.34	0.63		n/a	China	n/a	n/a	n/a	
40	Czech Republic	21.79	37.87	0.62		n/a	Côte d'Ivoire	n/a	n/a	n/a	
41	Italy	21.68	37.64	0.61		n/a	Dominican Republic	n/a	n/a	n/a	
42	El Salvador (2012)	21.54	37.36	0.60		n/a	Egypt	n/a	n/a	n/a	
43	Lithuania	21.47	37.22	0.59		n/a	Fiji	n/a	n/a	n/a	
44	Colombia (2012)	21.45	37.19	0.58		n/a	Guinea	n/a	n/a	n/a	
45	TFYR of Macedonia	21.24	36.78	0.57		n/a	India	n/a	n/a	n/a	
46	Uzbekistan	21.14	36.56	0.56	●	n/a	Israel	n/a	n/a	n/a	
47	Cameroon (2010)	21.02	36.34	0.55	●	n/a	Jamaica	n/a	n/a	n/a	
48	Georgia (2012)	20.74	35.79	0.54		n/a	Kazakhstan	n/a	n/a	n/a	
49	Slovakia (2012)	20.61	35.52	0.53		n/a	Kenya	n/a	n/a	n/a	
50	Estonia (2010)	20.55	35.41	0.52		n/a	Kuwait	n/a	n/a	n/a	
51	Madagascar (2012)	20.47	35.25	0.51		n/a	Malawi	n/a	n/a	n/a	
52	Mauritius (2012)	20.44	35.18	0.50		n/a	Mali	n/a	n/a	n/a	
53	Japan	20.28	34.87	0.50		n/a	Moldova, Rep.	n/a	n/a	n/a	
54	Romania	20.18	34.67	0.49		n/a	Montenegro	n/a	n/a	n/a	
55	Denmark	20.16	34.64	0.48	○	n/a	Nicaragua	n/a	n/a	n/a	
56	Croatia (2010)	20.11	34.54	0.47		n/a	Nigeria	n/a	n/a	n/a	
57	Gambia (2004)	20.00	34.32	0.46		n/a	Pakistan	n/a	n/a	n/a	
58	Burkina Faso (2012)	19.94	34.20	0.45		n/a	Paraguay	n/a	n/a	n/a	
59	Switzerland (2010)	19.78	33.89	0.44	○	n/a	Peru	n/a	n/a	n/a	
60	Chile (2012)	19.18	32.69	0.43		n/a	Philippines	n/a	n/a	n/a	
61	Bulgaria	19.07	32.47	0.42		n/a	Senegal	n/a	n/a	n/a	
62	Malta	18.34	31.04	0.41	○	n/a	Singapore	n/a	n/a	n/a	
63	Brunei Darussalam (2012)	18.26	30.87	0.40		n/a	South Africa	n/a	n/a	n/a	
64	New Zealand	18.25	30.86	0.39	○	n/a	Sudan	n/a	n/a	n/a	
65	Bahrain (2006)	17.91	30.19	0.38		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
66	Mongolia	17.59	29.55	0.37		n/a	Togo	n/a	n/a	n/a	
67	Albania (2012)	17.24	28.87	0.36		n/a	United Arab Emirates	n/a	n/a	n/a	
68	Cyprus	17.21	28.81	0.35		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
69	Poland (2012)	16.81	28.02	0.34		n/a	Yemen	n/a	n/a	n/a	
70	Norway	16.79	27.97	0.33	○	n/a	Zambia	n/a	n/a	n/a	
71	Guatemala (2007)	16.76	27.92	0.32							
72	Sri Lanka (2012)	16.70	27.80	0.31							
73	Australia (2010)	16.58	27.56	0.30	○						

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2004–13)

NOTE: ● indicates a strength; ○ a weakness.

2.2.3 Tertiary inbound mobility

Tertiary inbound mobility ratio (%) | 2011

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Australia	19.83	100.00	0.96	●	74	Russian Federation (2009)	1.39	6.96	0.35	
1	Cyprus	27.99	100.00	0.96	●	75	Cameroon	1.39	6.94	0.34	
1	Fiji (2004)	32.94	100.00	0.96	●	76	Kazakhstan (2012)	1.38	6.90	0.33	
1	Luxembourg (2010)	41.41	100.00	0.96	●	77	Albania (2012)	1.30	6.51	0.32	
1	Qatar (2012)	41.43	100.00	0.96	●	78	Côte d'Ivoire (2010)	1.26	6.31	0.31	
1	United Arab Emirates (2009)	39.77	100.00	0.96	●	79	Poland (2012)	1.17	5.86	0.30	○
7	Austria	19.50	98.35	0.95	●	80	Malawi (2010)	1.14	5.68	0.29	
8	Singapore (2013)	19.17	96.65	0.94		81	Cabo Verde (2012)	1.13	5.64	0.29	
9	United Kingdom	16.85	84.97	0.93		82	Guinea (2012)	0.92	4.59	0.28	
10	Switzerland	16.22	81.80	0.92		83	Honduras (2012)	0.90	4.51	0.27	
11	New Zealand	15.58	78.56	0.91		84	Swaziland	0.89	4.43	0.26	
12	Barbados	13.80	69.57	0.90	●	85	Thailand (2012)	0.84	4.17	0.25	
13	Lebanon (2012)	12.82	64.61	0.89	●	86	Turkey	0.82	4.06	0.24	
14	France	11.87	59.84	0.88		87	Rwanda (2012)	0.76	3.80	0.23	
15	Ireland	10.71	53.97	0.88		88	Tanzania, United Rep. (2004)	0.64	3.18	0.22	
16	Namibia (2008)	10.17	51.26	0.87	●	89	Mongolia (2012)	0.61	3.02	0.21	
17	Jordan	9.93	50.06	0.86	●	90	Algeria	0.55	2.72	0.21	
18	Czech Republic	8.53	42.97	0.85		91	Tunisia (2012)	0.53	2.63	0.20	
19	Bahrain (2012)	8.48	42.75	0.84	●	92	Mali	0.53	2.61	0.19	
20	Belgium	8.19	41.27	0.83		93	Lesotho (2012)	0.50	2.46	0.18	
21	Sweden	7.88	39.70	0.82		94	Croatia	0.45	2.21	0.17	○
22	Hong Kong (China) (2012)	7.82	39.40	0.81		95	El Salvador (2012)	0.41	1.99	0.16	
23	Denmark (2010)	7.54	37.98	0.80		96	Guyana (2012)	0.38	1.89	0.15	
24	Germany	7.52	37.89	0.79		97	Zimbabwe (2012)	0.37	1.84	0.14	
25	Norway	7.24	36.47	0.79		98	Mozambique	0.35	1.71	0.13	
26	Kyrgyzstan (2010)	6.30	31.75	0.78	●	99	Chile (2012)	0.31	1.51	0.13	○
27	Burundi (2010)	6.19	31.20	0.77	●	100	China (2012)	0.27	1.33	0.12	○
28	Malaysia	6.14	30.93	0.76		101	Brazil	0.21	1.00	0.11	○
29	Bosnia and Herzegovina (2012)	5.88	29.62	0.75	●	102	Viet Nam (2012)	0.18	0.84	0.10	○
30	Iceland	5.83	29.37	0.74		103	Sri Lanka (2012)	0.14	0.65	0.09	○
31	Trinidad and Tobago (2004)	5.78	29.14	0.73	●	104	Uzbekistan	0.14	0.64	0.08	
32	Niger (2012)	5.43	27.33	0.72	●	105	Indonesia (2010)	0.13	0.60	0.07	○
33	Uganda	5.19	26.15	0.71	●	106	India	0.10	0.47	0.06	○
34	Finland	5.09	25.65	0.71		107	Iran, Islamic Rep. (2012)	0.10	0.47	0.05	○
35	Netherlands	4.92	24.77	0.70		108	Philippines (2008)	0.10	0.46	0.04	○
36	Hungary	4.31	21.70	0.69		109	Bangladesh (2009)	0.10	0.46	0.04	○
37	Yemen	4.26	21.44	0.68	●	110	Venezuela, Bolivarian Rep. (2008)	0.09	0.41	0.03	○
38	Brunei Darussalam (2012)	4.25	21.38	0.67		111	Cambodia (2006)	0.07	0.31	0.02	○
39	Greece (2010)	4.18	21.04	0.66		112	Nepal	0.03	0.09	0.01	○
40	Botswana (2005)	4.16	20.95	0.65		113	Myanmar	0.01	0.00	0.00	○
41	Malta	4.11	20.71	0.64		n/a	Angola	n/a	n/a	n/a	
42	Japan	3.90	19.64	0.63		n/a	Argentina	n/a	n/a	n/a	
43	Slovakia	3.87	19.45	0.63		n/a	Benin	n/a	n/a	n/a	
44	Saudi Arabia (2012)	3.86	19.43	0.62		n/a	Bhutan	n/a	n/a	n/a	
45	Serbia (2012)	3.86	19.40	0.61		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
46	Italy	3.74	18.82	0.60		n/a	Canada	n/a	n/a	n/a	
47	Bulgaria	3.63	18.25	0.59		n/a	Colombia	n/a	n/a	n/a	
48	Armenia (2012)	3.43	17.28	0.58		n/a	Dominican Republic	n/a	n/a	n/a	
49	United States of America	3.38	16.99	0.57		n/a	Ecuador	n/a	n/a	n/a	
50	Spain	3.21	16.15	0.56		n/a	Ethiopia	n/a	n/a	n/a	
51	Ghana (2012)	3.09	15.55	0.55		n/a	Gambia	n/a	n/a	n/a	
52	Burkina Faso (2012)	2.96	14.89	0.54	●	n/a	Guatemala	n/a	n/a	n/a	
53	Portugal (2010)	2.88	14.46	0.54		n/a	Israel	n/a	n/a	n/a	
54	TFYR of Macedonia	2.61	13.12	0.53		n/a	Jamaica	n/a	n/a	n/a	
55	Azerbaijan (2012)	2.50	12.58	0.52		n/a	Kenya	n/a	n/a	n/a	
56	Oman	2.36	11.87	0.51		n/a	Kuwait	n/a	n/a	n/a	
57	Mauritius (2012)	2.30	11.56	0.50		n/a	Mexico	n/a	n/a	n/a	
58	Slovenia (2012)	2.27	11.38	0.49		n/a	Montenegro	n/a	n/a	n/a	
59	Belarus (2012)	2.06	10.36	0.48		n/a	Nicaragua	n/a	n/a	n/a	
60	Morocco (2010)	1.93	9.68	0.47		n/a	Nigeria	n/a	n/a	n/a	
61	Latvia	1.91	9.56	0.46		n/a	Pakistan	n/a	n/a	n/a	
62	Egypt (2010)	1.85	9.30	0.46		n/a	Panama	n/a	n/a	n/a	
63	Romania	1.84	9.25	0.45		n/a	Paraguay	n/a	n/a	n/a	
64	Ukraine (2012)	1.82	9.15	0.44		n/a	Peru	n/a	n/a	n/a	
65	Estonia (2010)	1.78	8.95	0.43	○	n/a	Senegal	n/a	n/a	n/a	
66	Korea, Rep. (2012)	1.77	8.89	0.42		n/a	Seychelles	n/a	n/a	n/a	
67	Madagascar (2012)	1.74	8.71	0.41		n/a	South Africa	n/a	n/a	n/a	
68	Georgia (2012)	1.68	8.43	0.40		n/a	Sudan	n/a	n/a	n/a	
69	Lithuania	1.61	8.05	0.39		n/a	Uruguay	n/a	n/a	n/a	
70	Tajikistan (2012)	1.60	8.03	0.38		n/a	Zambia	n/a	n/a	n/a	
71	Moldova, Rep. (2012)	1.55	7.77	0.38							
72	Costa Rica (2004)	1.43	7.19	0.37							
73	Togo (2007)	1.41	7.08	0.36							

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2004–13)

NOTE: ● indicates a strength; ○ a weakness.

2.3.1

Researchers

Researchers, headcounts (per million population) | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland.....	10,678.81	100.00	1.00	●	74	Mexico.....	386.43	3.53	0.38	
2	Iceland.....	10,402.05	97.41	0.99	●	75	Sudan (2005).....	354.84	3.23	0.37	●
3	Denmark.....	10,182.76	95.35	0.98	●	76	Colombia.....	346.36	3.15	0.36	
4	Portugal.....	9,477.12	88.74	0.97	●	77	Namibia (2010).....	343.28	3.13	0.36	
5	Norway.....	9,219.31	86.32	0.97	●	78	Venezuela, Bolivarian Rep. (2012).....	342.38	3.12	0.35	
6	Sweden.....	8,470.66	79.30	0.96		79	Kenya (2010).....	318.07	2.89	0.34	
7	Austria.....	7,780.13	72.83	0.95	●	80	Pakistan.....	294.91	2.67	0.33	
8	Korea, Rep.....	7,698.66	72.07	0.94		81	Cabo Verde.....	260.93	2.35	0.32	
9	Singapore.....	7,321.20	68.53	0.93		82	Sri Lanka (2010).....	248.67	2.24	0.31	
10	Japan.....	7,011.39	65.63	0.92		83	Cameroon (2008).....	232.81	2.09	0.31	
11	United Kingdom.....	6,872.19	64.32	0.92		84	Bolivia, Plurinational St. (2010).....	211.98	1.90	0.30	
12	New Zealand.....	6,366.22	59.58	0.91		85	Tajikistan.....	200.26	1.79	0.29	
13	Germany.....	6,279.93	58.77	0.90		86	Zimbabwe (2012).....	199.57	1.78	0.28	
14	Slovenia.....	6,069.01	56.79	0.89		87	Paraguay.....	195.19	1.74	0.27	
15	Switzerland (2008).....	5,994.20	56.09	0.88		88	Nepal (2010).....	190.83	1.70	0.26	
16	Luxembourg (2009).....	5,924.32	55.44	0.87		89	Peru (2004).....	181.18	1.61	0.25	
17	Estonia.....	5,906.54	55.27	0.86		90	Ecuador (2008).....	180.74	1.60	0.25	
18	Belgium.....	5,742.63	53.73	0.86		91	Indonesia (2009).....	173.24	1.53	0.24	
19	Lithuania.....	5,702.40	53.36	0.85	●	92	Seychelles (2005).....	160.75	1.41	0.23	
20	France.....	5,327.93	49.85	0.84		93	Angola.....	148.41	1.30	0.22	
21	Netherlands.....	4,979.63	46.58	0.83		94	Côte d'Ivoire (2005).....	137.81	1.20	0.21	
22	Ireland.....	4,893.16	45.77	0.82		95	Panama (2010).....	136.21	1.18	0.20	
23	Spain.....	4,735.21	44.29	0.81		96	Kuwait.....	131.53	1.14	0.19	
24	Slovakia (2012).....	4,603.40	43.06	0.81		97	Philippines (2007).....	129.28	1.12	0.19	
25	Czech Republic (2012).....	4,442.46	41.55	0.80		98	Malawi (2010).....	122.75	1.06	0.18	
26	Greece.....	4,068.78	38.04	0.79		99	Nigeria (2007).....	119.74	1.03	0.17	
27	Hungary.....	3,695.89	34.55	0.78		100	Benin (2007).....	114.84	0.98	0.16	
28	Latvia.....	3,557.95	33.26	0.77		101	Madagascar.....	109.05	0.93	0.15	
29	Hong Kong (China) (2010).....	3,471.16	32.44	0.76		102	Ghana (2010).....	104.77	0.89	0.14	
30	Tunisia (2008).....	3,194.83	29.85	0.75	●	103	El Salvador (2012).....	96.07	0.81	0.14	
31	Malta.....	2,985.77	27.89	0.75		104	Togo (2010).....	90.07	0.75	0.13	
32	Croatia.....	2,649.05	24.74	0.74		105	Ethiopia (2010).....	83.62	0.69	0.12	
33	Poland.....	2,636.41	24.62	0.73		106	Uganda (2010).....	83.06	0.69	0.11	
34	Russian Federation (2012).....	2,602.65	24.30	0.72		107	Burkina Faso (2010).....	73.62	0.60	0.10	
35	Malaysia.....	2,564.49	23.95	0.71		108	Tanzania, United Rep. (2010).....	68.97	0.55	0.09	
36	Italy.....	2,496.27	23.31	0.70		109	Mozambique (2010).....	66.26	0.53	0.08	
37	Montenegro.....	2,490.96	23.26	0.69		110	Maldives (2010).....	64.21	0.51	0.08	
38	Belarus.....	2,081.18	19.42	0.69		111	Nicaragua (2004).....	60.52	0.48	0.07	○
39	Bulgaria.....	2,017.42	18.82	0.68		112	Rwanda (2009).....	53.56	0.41	0.06	○
40	Argentina.....	1,941.91	18.11	0.67		113	Zambia (2008).....	49.13	0.37	0.05	○
41	Jordan (2008).....	1,913.32	17.84	0.66		114	Saudi Arabia (2009).....	47.43	0.35	0.04	○
42	Turkey.....	1,881.39	17.54	0.65		115	Guatemala.....	40.87	0.29	0.03	○
43	Costa Rica.....	1,867.58	17.41	0.64		116	Burundi.....	39.73	0.28	0.03	
44	Georgia (2005).....	1,812.61	16.90	0.64		117	Gambia.....	34.58	0.23	0.02	○
45	Cyprus.....	1,734.87	16.17	0.63		118	Lesotho.....	20.69	0.10	0.01	○
46	Ukraine.....	1,536.55	14.31	0.62		119	Niger (2005).....	9.78	0.00	0.00	○
47	Armenia.....	1,503.99	14.01	0.61		n/a	Australia.....	n/a	n/a	n/a	
48	Iran, Islamic Rep. (2008).....	1,483.74	13.82	0.60		n/a	Bahrain.....	n/a	n/a	n/a	
49	Serbia.....	1,417.99	13.20	0.59		n/a	Bangladesh.....	n/a	n/a	n/a	
50	China.....	1,392.75	12.96	0.58		n/a	Barbados.....	n/a	n/a	n/a	
51	Azerbaijan.....	1,292.16	12.02	0.58		n/a	Bhutan.....	n/a	n/a	n/a	
52	Brazil (2010).....	1,202.79	11.18	0.57		n/a	Cambodia.....	n/a	n/a	n/a	
53	Romania.....	1,168.74	10.86	0.56		n/a	Canada.....	n/a	n/a	n/a	
54	Egypt.....	1,146.08	10.65	0.55		n/a	Dominican Republic.....	n/a	n/a	n/a	
55	Morocco.....	1,145.75	10.65	0.54		n/a	Fiji.....	n/a	n/a	n/a	
56	Uzbekistan.....	1,097.27	10.19	0.53		n/a	Guinea.....	n/a	n/a	n/a	
57	Moldova, Rep.....	951.76	8.83	0.53		n/a	Guyana.....	n/a	n/a	n/a	
58	Botswana (2005).....	923.34	8.56	0.52		n/a	Honduras.....	n/a	n/a	n/a	
59	TFYR of Macedonia (2009).....	854.53	7.92	0.51		n/a	India.....	n/a	n/a	n/a	
60	Bosnia and Herzegovina (2007).....	763.31	7.06	0.50		n/a	Israel.....	n/a	n/a	n/a	
61	Trinidad and Tobago.....	758.39	7.02	0.49		n/a	Jamaica.....	n/a	n/a	n/a	
62	South Africa (2010).....	736.62	6.81	0.48		n/a	Lebanon.....	n/a	n/a	n/a	
63	Uruguay (2012).....	734.55	6.79	0.47		n/a	Mauritius.....	n/a	n/a	n/a	
64	Kazakhstan.....	713.63	6.60	0.47		n/a	Myanmar.....	n/a	n/a	n/a	
65	Brunei Darussalam (2004).....	676.28	6.25	0.46		n/a	Qatar.....	n/a	n/a	n/a	
66	Mongolia.....	653.18	6.03	0.45		n/a	Swaziland.....	n/a	n/a	n/a	
67	Senegal (2010).....	630.86	5.82	0.44		n/a	United Arab Emirates.....	n/a	n/a	n/a	
68	Thailand (2009).....	580.98	5.35	0.43		n/a	United States of America.....	n/a	n/a	n/a	
69	Chile (2010).....	551.17	5.07	0.42		n/a	Viet Nam.....	n/a	n/a	n/a	
70	Albania (2008).....	545.21	5.02	0.42		n/a	Yemen.....	n/a	n/a	n/a	
71	Oman.....	478.05	4.39	0.41							
72	Kyrgyzstan.....	411.59	3.77	0.40							
73	Algeria (2005).....	406.50	3.72	0.39							

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2004–12)

NOTE: ● indicates a strength; ○ a weakness.

2.3.2 Gross expenditure on R&D (GERD)

GERD: Gross expenditure on R&D (% of GDP) | 2011

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Korea, Rep. (2012)	4.36	100.00	1.00	●	74	Pakistan	0.33	7.28	0.37	
2	Israel (2012)	3.93	90.07	0.99	●	75	Nepal (2010)	0.30	6.66	0.36	
3	Finland (2012)	3.55	81.37	0.98		76	Seychelles (2005)	0.30	6.66	0.35	
4	Sweden (2012)	3.41	78.12	0.97	●	77	Sudan (2005)	0.30	6.57	0.34	
5	Japan (2012)	3.34	76.64	0.97	●	78	Mongolia	0.27	6.01	0.34	
6	Denmark (2012)	2.99	68.45	0.96		79	Armenia	0.27	5.92	0.33	
7	Germany (2012)	2.92	66.89	0.95	●	80	Togo (2010)	0.25	5.54	0.32	
8	Switzerland (2008)	2.87	65.77	0.94		81	Thailand (2009)	0.25	5.47	0.31	
9	Austria (2013)	2.85	65.40	0.93	●	82	Ethiopia (2010)	0.25	5.36	0.30	
10	Slovenia (2012)	2.80	64.14	0.92	●	83	Ecuador (2008)	0.23	4.95	0.29	
11	United States of America (2012)	2.79	63.96	0.91		84	Nigeria (2007)	0.22	4.74	0.28	
12	Iceland	2.40	54.93	0.91		85	TFYR of Macedonia (2010)	0.22	4.72	0.28	○
13	Australia (2010)	2.39	54.61	0.90		86	Azerbaijan	0.21	4.56	0.27	
14	France (2012)	2.26	51.78	0.89		87	Burkina Faso (2009)	0.20	4.32	0.26	
15	Belgium (2012)	2.24	51.17	0.88		88	Panama (2010)	0.20	4.20	0.25	
16	Singapore	2.23	51.02	0.87		89	Georgia (2005)	0.18	3.77	0.24	
17	Estonia (2012)	2.18	49.92	0.86		90	Colombia (2012)	0.17	3.68	0.23	
18	Netherlands (2012)	2.16	49.34	0.85		91	Kazakhstan	0.16	3.32	0.22	
19	China (2012)	1.98	45.35	0.84		92	Bolivia, Plurinational St. (2009)	0.16	3.32	0.22	
20	Czech Republic (2012)	1.88	43.01	0.84		93	Sri Lanka (2010)	0.16	3.31	0.21	
21	United Kingdom (2012)	1.72	39.38	0.83		94	Kyrgyzstan	0.16	3.30	0.20	
22	Ireland (2012)	1.72	39.38	0.82		95	Albania (2008)	0.15	3.23	0.19	
23	Canada (2012)	1.69	38.56	0.81		96	Peru (2004)	0.15	3.14	0.18	
24	Norway (2012)	1.66	37.82	0.80		97	Namibia (2010)	0.14	3.03	0.17	
25	Luxembourg (2010)	1.51	34.35	0.79		98	Gambia	0.13	2.77	0.16	
26	Portugal (2012)	1.50	34.12	0.78		99	Oman	0.13	2.75	0.16	
27	Spain (2012)	1.30	29.66	0.78		100	Tajikistan	0.12	2.50	0.15	
28	Hungary (2012)	1.30	29.55	0.77		101	Burundi	0.12	2.50	0.14	
29	New Zealand	1.27	28.96	0.76		102	Philippines (2007)	0.11	2.23	0.13	○
30	Italy (2012)	1.27	28.84	0.75		103	Madagascar	0.11	2.14	0.12	
31	Brazil	1.21	27.55	0.74		104	Kuwait	0.09	1.89	0.11	○
32	Russian Federation (2012)	1.12	25.44	0.73		105	Indonesia (2009)	0.08	1.62	0.10	
33	Tunisia (2009)	1.10	25.07	0.72	●	106	Angola	0.07	1.40	0.09	
34	Malaysia	1.07	24.22	0.72		107	Saudi Arabia (2009)	0.07	1.39	0.09	○
35	Kenya (2010)	0.98	22.17	0.71		108	Cabo Verde	0.07	1.38	0.08	○
36	Lithuania (2012)	0.90	20.46	0.70		109	Algeria (2005)	0.07	1.22	0.07	
37	Poland (2012)	0.90	20.41	0.69		110	Paraguay	0.05	0.97	0.06	○
38	Turkey	0.86	19.49	0.68		111	Guatemala	0.05	0.81	0.05	○
39	Malta (2012)	0.84	19.09	0.67		112	Trinidad and Tobago	0.04	0.71	0.04	○
40	Slovakia (2012)	0.82	18.65	0.66		113	Honduras (2004)	0.04	0.66	0.03	○
41	India	0.81	18.33	0.66		114	Brunei Darussalam (2004)	0.04	0.56	0.03	○
42	Serbia	0.78	17.60	0.65		115	El Salvador	0.03	0.42	0.02	○
43	South Africa (2010)	0.76	17.23	0.64		116	Bosnia and Herzegovina (2009)	0.02	0.20	0.01	○
44	Croatia (2012)	0.75	17.00	0.63		117	Lesotho	0.01	0.00	0.00	○
45	Hong Kong (China) (2010)	0.75	16.95	0.62		n/a	Bahrain	n/a	n/a	n/a	
46	Iran, Islamic Rep. (2008)	0.75	16.94	0.61	●	n/a	Bangladesh	n/a	n/a	n/a	
47	Ukraine	0.74	16.66	0.60		n/a	Barbados	n/a	n/a	n/a	
48	Morocco (2010)	0.73	16.59	0.59		n/a	Benin	n/a	n/a	n/a	
49	Belarus	0.70	15.83	0.59		n/a	Bhutan	n/a	n/a	n/a	
50	Greece (2012)	0.69	15.59	0.58		n/a	Cambodia	n/a	n/a	n/a	
51	Mali (2010)	0.66	14.93	0.57	●	n/a	Cameroon	n/a	n/a	n/a	
52	Latvia (2012)	0.66	14.86	0.56		n/a	Côte d'Ivoire	n/a	n/a	n/a	
53	Argentina	0.65	14.59	0.55		n/a	Dominican Republic	n/a	n/a	n/a	
54	Bulgaria (2012)	0.64	14.42	0.54		n/a	Fiji	n/a	n/a	n/a	
55	Uganda (2010)	0.56	12.55	0.53		n/a	Guinea	n/a	n/a	n/a	
56	Senegal (2010)	0.54	12.15	0.53		n/a	Guyana	n/a	n/a	n/a	
57	Botswana (2005)	0.53	11.97	0.52		n/a	Jamaica	n/a	n/a	n/a	
58	Tanzania, United Rep. (2010)	0.52	11.58	0.51		n/a	Lebanon	n/a	n/a	n/a	
59	United Arab Emirates	0.49	10.96	0.50		n/a	Malawi	n/a	n/a	n/a	
60	Romania (2012)	0.49	10.96	0.49		n/a	Myanmar	n/a	n/a	n/a	
61	Costa Rica	0.48	10.67	0.48		n/a	Nicaragua	n/a	n/a	n/a	
62	Cyprus (2012)	0.47	10.46	0.47		n/a	Niger	n/a	n/a	n/a	
63	Mozambique (2010)	0.46	10.35	0.47		n/a	Qatar	n/a	n/a	n/a	
64	Jordan (2008)	0.43	9.71	0.46		n/a	Rwanda	n/a	n/a	n/a	
65	Uruguay	0.43	9.61	0.45		n/a	Swaziland	n/a	n/a	n/a	
66	Mexico	0.43	9.57	0.44		n/a	Uzbekistan	n/a	n/a	n/a	
67	Egypt	0.43	9.57	0.43		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Chile (2010)	0.42	9.31	0.42		n/a	Viet Nam	n/a	n/a	n/a	
69	Montenegro	0.41	9.11	0.41		n/a	Yemen	n/a	n/a	n/a	
70	Moldova, Rep.	0.40	9.03	0.41		n/a	Zimbabwe	n/a	n/a	n/a	
71	Ghana (2010)	0.38	8.37	0.40							
72	Mauritius (2005)	0.37	8.27	0.39							
73	Zambia (2008)	0.34	7.54	0.38							

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2004–13)

NOTE: ● indicates a strength; ○ a weakness.

2.3.3 QS university ranking average score top 3 universities

Average score of the top 3 universities at the QS world university ranking | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	United Kingdom	98.90	98.90	1.00	●	70	Barbados	0.00	0.00	0.00	○
2	United States of America	98.67	98.67	0.99	●	70	Benin	0.00	0.00	0.00	○
3	Canada	87.10	87.10	0.99	●	70	Bhutan	0.00	0.00	0.00	○
4	Switzerland	86.17	86.17	0.98		70	Bolivia, Plurinational St.	0.00	0.00	0.00	○
5	Australia	85.80	85.80	0.97	●	70	Bosnia and Herzegovina	0.00	0.00	0.00	○
6	Hong Kong (China)	85.10	85.10	0.96		70	Botswana	0.00	0.00	0.00	○
7	Japan	82.23	82.23	0.96		70	Brunei Darussalam	0.00	0.00	0.00	○
8	France	78.27	78.27	0.95	●	70	Burkina Faso	0.00	0.00	0.00	○
9	Germany	77.40	77.40	0.94		70	Burundi	0.00	0.00	0.00	○
10	China	76.83	76.83	0.94	●	70	Cabo Verde	0.00	0.00	0.00	○
11	Korea, Rep.	75.80	75.80	0.93		70	Cambodia	0.00	0.00	0.00	○
12	Netherlands	73.97	73.97	0.92		70	Cameroon	0.00	0.00	0.00	○
13	Denmark	70.87	70.87	0.92		70	Costa Rica	0.00	0.00	0.00	○
14	Sweden	70.33	70.33	0.91		70	Côte d'Ivoire	0.00	0.00	0.00	○
15	Belgium	66.00	66.00	0.90		70	Cyprus	0.00	0.00	0.00	○
16	Ireland	62.30	62.30	0.89		70	Dominican Republic	0.00	0.00	0.00	○
17	Finland	59.37	59.37	0.89		70	Ecuador	0.00	0.00	0.00	○
18	Norway	58.27	58.27	0.88		70	El Salvador	0.00	0.00	0.00	○
19	New Zealand	58.07	58.07	0.87		70	Ethiopia	0.00	0.00	0.00	○
20	Singapore	56.83	56.83	0.87		70	Fiji	0.00	0.00	0.00	○
21	Israel	56.03	56.03	0.86		70	Gambia	0.00	0.00	0.00	○
22	Spain	54.57	54.57	0.85		70	Georgia	0.00	0.00	0.00	○
23	Brazil	51.53	51.53	0.85	●	70	Ghana	0.00	0.00	0.00	○
24	Italy	51.30	51.30	0.84		70	Guatemala	0.00	0.00	0.00	○
25	Russian Federation	49.27	49.27	0.83		70	Guinea	0.00	0.00	0.00	○
26	Austria	47.40	47.40	0.82		70	Guyana	0.00	0.00	0.00	○
27	India	45.73	45.73	0.82	●	70	Honduras	0.00	0.00	0.00	○
28	Chile	45.20	45.20	0.80		70	Iceland	0.00	0.00	0.00	○
28	Malaysia	45.20	45.20	0.80		70	Jamaica	0.00	0.00	0.00	○
30	South Africa	44.47	44.47	0.80	●	70	Kenya	0.00	0.00	0.00	○
31	Saudi Arabia	43.47	43.47	0.79		70	Kyrgyzstan	0.00	0.00	0.00	○
32	Argentina	42.73	42.73	0.78	●	70	Latvia	0.00	0.00	0.00	○
33	Mexico	41.03	41.03	0.77	●	70	Lesotho	0.00	0.00	0.00	○
34	Colombia	39.13	39.13	0.77		70	Luxembourg	0.00	0.00	0.00	○
35	Thailand	37.33	37.33	0.76		70	Madagascar	0.00	0.00	0.00	○
36	Portugal	36.43	36.43	0.75		70	Malawi	0.00	0.00	0.00	○
37	Czech Republic	33.97	33.97	0.75		70	Mali	0.00	0.00	0.00	○
38	Kazakhstan	33.37	33.37	0.74	●	70	Malta	0.00	0.00	0.00	○
39	Poland	31.93	31.93	0.73		70	Mauritius	0.00	0.00	0.00	○
40	Indonesia	31.57	31.57	0.73	●	70	Moldova, Rep.	0.00	0.00	0.00	○
41	Turkey	30.37	30.37	0.72		70	Mongolia	0.00	0.00	0.00	○
42	United Arab Emirates	28.77	28.77	0.71		70	Montenegro	0.00	0.00	0.00	○
43	Greece	28.33	28.33	0.70		70	Morocco	0.00	0.00	0.00	○
44	Egypt	28.23	28.23	0.70	●	70	Mozambique	0.00	0.00	0.00	○
45	Philippines	28.03	28.03	0.69	●	70	Myanmar	0.00	0.00	0.00	○
46	Hungary	24.13	24.13	0.68		70	Namibia	0.00	0.00	0.00	○
47	Venezuela, Bolivarian Rep.	23.87	23.87	0.68	●	70	Nepal	0.00	0.00	0.00	○
48	Ukraine	22.90	22.90	0.67		70	Nicaragua	0.00	0.00	0.00	○
49	Lebanon	22.73	22.73	0.66		70	Niger	0.00	0.00	0.00	○
50	Peru	20.60	20.60	0.65		70	Nigeria	0.00	0.00	0.00	○
51	Estonia	19.97	19.97	0.65		70	Panama	0.00	0.00	0.00	○
52	Pakistan	19.57	19.57	0.64	●	70	Paraguay	0.00	0.00	0.00	○
53	Azerbaijan	19.23	19.23	0.63		70	Rwanda	0.00	0.00	0.00	○
54	Lithuania	17.57	17.57	0.63		70	Senegal	0.00	0.00	0.00	○
55	Romania	16.10	16.10	0.62		70	Seychelles	0.00	0.00	0.00	○
56	Iran, Islamic Rep.	15.43	15.43	0.61	●	70	Slovakia	0.00	0.00	0.00	○
57	Jordan	12.97	12.97	0.61		70	Sudan	0.00	0.00	0.00	○
58	Belarus	11.83	11.83	0.60		70	Swaziland	0.00	0.00	0.00	○
59	Oman	9.37	9.37	0.59		70	Tajikistan	0.00	0.00	0.00	○
60	Qatar	8.33	8.33	0.58		70	Tanzania, United Rep.	0.00	0.00	0.00	○
61	Slovenia	8.10	8.10	0.58		70	TFYR of Macedonia	0.00	0.00	0.00	○
62	Croatia	7.70	7.70	0.57		70	Togo	0.00	0.00	0.00	○
63	Uruguay	7.20	7.20	0.56		70	Trinidad and Tobago	0.00	0.00	0.00	○
64	Bulgaria	6.73	6.73	0.56		70	Tunisia	0.00	0.00	0.00	○
65	Bahrain	6.03	6.03	0.55		70	Uganda	0.00	0.00	0.00	○
66	Bangladesh	5.70	5.70	0.54	●	70	Uzbekistan	0.00	0.00	0.00	○
67	Kuwait	4.90	4.90	0.54		70	Viet Nam	0.00	0.00	0.00	○
68	Sri Lanka	4.57	4.57	0.53		70	Yemen	0.00	0.00	0.00	○
69	Serbia	3.93	3.93	0.52		70	Zambia	0.00	0.00	0.00	○
70	Albania	0.00	0.00	0.00	○	70	Zimbabwe	0.00	0.00	0.00	○
70	Algeria	0.00	0.00	0.00	○						
70	Angola	0.00	0.00	0.00	○						
70	Armenia	0.00	0.00	0.00	○						

SOURCE: QS Quacquarelli Symonds Ltd, QS World University Ranking 2013/2014, Top Universities

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	9.18	91.80	1.00	●	74	China	4.36	43.60	0.46	
2	Luxembourg	8.93	89.30	0.99	●	75	Colombia	4.35	43.50	0.45	
3	Iceland	8.77	87.70	0.99	●	76	Ecuador	4.34	43.40	0.44	
4	Switzerland	8.73	87.30	0.98		77	Egypt	4.20	42.00	0.43	
5	Germany	8.51	85.10	0.97	●	78	South Africa	4.14	41.40	0.43	
6	United Kingdom	8.46	84.60	0.96		79	Venezuela, Bolivarian Rep.	4.13	41.30	0.42	
7	Sweden	8.37	83.70	0.96		80	Mexico	4.11	41.10	0.41	
8	Singapore	8.31	83.10	0.95		81	Mongolia	4.04	40.40	0.40	
9	Korea, Rep.	8.28	82.80	0.93		81	Viet Nam	4.04	40.40	0.40	
9	Malta	8.28	82.80	0.93		83	Thailand	4.00	40.00	0.39	
9	Netherlands	8.28	82.80	0.93		84	El Salvador	3.95	39.50	0.37	
12	Denmark	8.18	81.80	0.92		84	Tunisia	3.95	39.50	0.37	
13	Austria	7.96	79.60	0.91		86	Jamaica	3.93	39.30	0.37	
14	France	7.95	79.50	0.90	●	87	Fiji	3.86	38.60	0.36	
15	Japan	7.73	77.30	0.90		88	Peru	3.85	38.50	0.35	
16	Norway	7.72	77.20	0.89		89	Albania	3.73	37.30	0.34	
17	New Zealand	7.69	76.90	0.88		90	Indonesia	3.62	36.20	0.34	
18	Belgium	7.67	76.70	0.87		91	Algeria	3.60	36.00	0.32	
19	Finland	7.66	76.60	0.87		91	Paraguay	3.60	36.00	0.32	
20	Canada	7.65	76.50	0.86		93	Botswana	3.58	35.80	0.31	
21	Australia	7.64	76.40	0.85		94	Cabo Verde	3.46	34.60	0.31	
22	Ireland	7.59	75.90	0.84		95	Philippines	3.41	34.10	0.30	
23	Israel	7.57	75.70	0.84		96	Sri Lanka	3.36	33.60	0.29	
24	United Arab Emirates	7.31	73.10	0.83		97	Dominican Republic	3.35	33.50	0.28	
25	Barbados	7.29	72.90	0.82		98	Bolivia, Plurinational St.	3.27	32.70	0.28	
26	Estonia	7.27	72.70	0.81		99	Guyana	3.18	31.80	0.27	
27	Bahrain	7.25	72.50	0.81		100	Cambodia	3.14	31.40	0.26	
28	United States of America	7.24	72.40	0.80		101	Namibia	3.09	30.90	0.25	
29	Slovenia	7.23	72.30	0.79		102	Honduras	3.05	30.50	0.25	
30	Italy	7.15	71.50	0.78		103	Nicaragua	2.99	29.90	0.24	
31	Qatar	7.10	71.00	0.78		104	Kenya	2.73	27.30	0.23	
32	Spain	7.05	70.50	0.77		105	Bhutan	2.68	26.80	0.22	
33	Portugal	7.00	70.00	0.76		106	Sudan	2.62	26.20	0.22	
34	Saudi Arabia	6.76	67.60	0.75		107	Senegal	2.59	25.90	0.21	
35	Russian Federation	6.73	67.30	0.75		108	Côte d'Ivoire	2.58	25.80	0.20	
36	Greece	6.69	66.90	0.74		109	Pakistan	2.56	25.60	0.19	
37	Croatia	6.66	66.60	0.73		110	Zimbabwe	2.54	25.40	0.19	
38	Czech Republic	6.60	66.00	0.72		111	India	2.50	25.00	0.18	
38	Kazakhstan	6.60	66.00	0.72		112	Mali	2.44	24.40	0.17	
40	Brunei Darussalam	6.55	65.50	0.71		113	Swaziland	2.43	24.30	0.16	
41	Lithuania	6.47	64.70	0.70		114	Gambia	2.42	24.20	0.16	
42	Hungary	6.46	64.60	0.69		115	Ghana	2.40	24.00	0.15	
42	Poland	6.46	64.60	0.69		116	Uzbekistan	2.38	23.80	0.14	
44	Cyprus	6.45	64.50	0.68		117	Benin	2.36	23.60	0.13	
45	Belarus	6.41	64.10	0.67		118	Lesotho	2.26	22.60	0.13	
46	Uruguay	6.38	63.80	0.66		119	Zambia	2.12	21.20	0.12	
47	Bulgaria	6.33	63.30	0.66		120	Yemen	2.09	20.90	0.11	
48	Slovakia	6.28	62.80	0.65		121	Bangladesh	2.03	20.30	0.10	
49	Latvia	6.25	62.50	0.64		122	Nigeria	1.99	19.90	0.10	
50	Seychelles	6.10	61.00	0.63		123	Rwanda	1.96	19.60	0.09	○
51	Malaysia	6.09	60.90	0.63		124	Uganda	1.95	19.50	0.08	○
52	Lebanon	6.04	60.40	0.62		125	Burkina Faso	1.87	18.70	0.06	○
53	Argentina	5.88	58.80	0.61		125	Cameroon	1.87	18.70	0.06	○
54	Serbia	5.82	58.20	0.60		125	Tanzania, United Rep.	1.87	18.70	0.06	○
55	Moldova, Rep.	5.81	58.10	0.59		128	Angola	1.83	18.30	0.05	
55	Romania	5.81	58.10	0.59		129	Malawi	1.72	17.20	0.04	○
57	Oman	5.74	57.40	0.58		130	Guinea	1.71	17.10	0.04	
58	Trinidad and Tobago	5.67	56.70	0.57		131	Mozambique	1.69	16.90	0.03	○
59	Chile	5.65	56.50	0.56		132	Niger	1.65	16.50	0.02	
59	TFYR of Macedonia	5.65	56.50	0.56		133	Ethiopia	1.64	16.40	0.01	○
61	Costa Rica	5.53	55.30	0.55		134	Myanmar	1.62	16.20	0.01	
62	Panama	5.51	55.10	0.54		135	Madagascar	1.48	14.80	0.00	○
63	Brazil	5.49	54.90	0.54		n/a	Burundi	n/a	n/a	n/a	
64	Ukraine	5.27	52.70	0.53		n/a	Guatemala	n/a	n/a	n/a	
65	Azerbaijan	5.17	51.70	0.51		n/a	Kuwait	n/a	n/a	n/a	
65	Mauritius	5.17	51.70	0.51		n/a	Kyrgyzstan	n/a	n/a	n/a	
67	Turkey	5.11	51.10	0.51		n/a	Montenegro	n/a	n/a	n/a	
68	Georgia	5.06	50.60	0.50		n/a	Nepal	n/a	n/a	n/a	
69	Jordan	4.95	49.50	0.49		n/a	Tajikistan	n/a	n/a	n/a	
70	Bosnia and Herzegovina	4.83	48.30	0.49		n/a	Togo	n/a	n/a	n/a	
71	Iran, Islamic Rep.	4.68	46.80	0.48							
72	Morocco	4.67	46.70	0.47							
73	Armenia	4.52	45.20	0.46							

SOURCE: International Telecommunication Union, *Measuring the Information Society 2013*, ICT Development Index 2013

NOTE: ● indicates a strength; ○ a weakness.

3.1.2

ICT use

ICT use index | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Sweden	8.25	82.50	1.00	●	74	Dominican Republic	2.27	22.70	0.45	
2	Korea, Rep.	8.22	82.20	0.99	●	74	Moldova, Rep.	2.27	22.70	0.45	
3	Denmark	8.15	81.50	0.99	●	76	Colombia	2.26	22.60	0.44	
4	Finland	8.05	80.50	0.97		77	Mexico	2.23	22.30	0.43	
4	Norway	8.05	80.50	0.97	●	78	Ecuador	2.22	22.20	0.42	
6	Japan	7.51	75.10	0.96	●	78	Viet Nam	2.22	22.20	0.42	
7	Iceland	7.50	75.00	0.96		80	Cabo Verde	2.12	21.20	0.41	
8	Australia	7.46	74.60	0.95	●	81	Venezuela, Bolivarian Rep.	2.00	20.00	0.40	
9	Netherlands	7.32	73.20	0.94		82	Fiji	1.99	19.90	0.40	
10	Luxembourg	7.29	72.90	0.93		83	Uzbekistan	1.95	19.50	0.39	
11	Singapore	7.25	72.50	0.93		84	Jordan	1.92	19.20	0.38	
12	United Kingdom	7.19	71.90	0.92		85	Jamaica	1.84	18.40	0.37	
13	United States of America	6.76	67.60	0.91		86	Tunisia	1.82	18.20	0.37	
14	New Zealand	6.72	67.20	0.90		87	Ukraine	1.76	17.60	0.36	
15	Hong Kong (China)	6.62	66.20	0.90		88	Nigeria	1.72	17.20	0.35	
16	France	6.60	66.00	0.89		89	Ghana	1.71	17.10	0.34	
17	Switzerland	6.54	65.40	0.88		90	Indonesia	1.64	16.40	0.33	
18	Estonia	6.52	65.20	0.87		90	Mongolia	1.64	16.40	0.33	
19	Canada	6.38	63.80	0.87		92	Peru	1.63	16.30	0.32	
20	Ireland	6.08	60.80	0.86		93	Zimbabwe	1.59	15.90	0.31	
21	Germany	6.05	60.50	0.85		94	Namibia	1.55	15.50	0.31	
22	Malta	6.04	60.40	0.84		95	Philippines	1.46	14.60	0.30	
23	Austria	5.97	59.70	0.84		96	Bolivia, Plurinational St.	1.42	14.20	0.29	
24	Israel	5.86	58.60	0.83		97	Guyana	1.36	13.60	0.28	
25	Qatar	5.79	57.90	0.82		98	Sudan	1.26	12.60	0.28	
26	Belgium	5.75	57.50	0.81		99	El Salvador	1.25	12.50	0.27	
27	Spain	5.52	55.20	0.81		100	Thailand	1.23	12.30	0.26	
28	Latvia	5.45	54.50	0.80		101	Paraguay	1.17	11.70	0.25	
29	United Arab Emirates	5.18	51.80	0.79		102	Kenya	1.15	11.50	0.25	
30	Czech Republic	5.17	51.70	0.78		103	Iran, Islamic Rep.	1.14	11.40	0.24	
31	Barbados	5.00	50.00	0.78		104	Swaziland	1.11	11.10	0.23	
32	Croatia	4.99	49.90	0.77	●	105	Bhutan	1.05	10.50	0.22	
33	Slovenia	4.94	49.40	0.76		106	Botswana	1.00	10.00	0.22	
34	Italy	4.89	48.90	0.75		107	Sri Lanka	0.87	8.70	0.21	
35	Poland	4.84	48.40	0.75		108	Honduras	0.81	8.10	0.20	
36	Slovakia	4.79	47.90	0.74		109	Senegal	0.80	8.00	0.19	
37	Bahrain	4.75	47.50	0.73		110	Uganda	0.75	7.50	0.19	
38	Greece	4.65	46.50	0.72		111	Algeria	0.68	6.80	0.18	
39	Hungary	4.48	44.80	0.72		112	India	0.65	6.50	0.17	
40	Portugal	4.45	44.50	0.71		113	Angola	0.62	6.20	0.16	
41	Russian Federation	4.34	43.40	0.70		113	Yemen	0.62	6.20	0.16	
42	Cyprus	4.23	42.30	0.69		115	Nicaragua	0.58	5.80	0.15	
43	Bulgaria	4.20	42.00	0.69		116	Tanzania, United Rep.	0.49	4.90	0.14	
44	Belarus	4.13	41.30	0.68		117	Lesotho	0.48	4.80	0.13	
45	Oman	4.07	40.70	0.67		117	Zambia	0.48	4.80	0.13	
46	Uruguay	3.84	38.40	0.66		119	Gambia	0.46	4.60	0.12	
47	Lithuania	3.76	37.60	0.66		120	Cambodia	0.41	4.10	0.11	
48	Azerbaijan	3.72	37.20	0.65	●	121	Pakistan	0.38	3.80	0.10	
49	Kazakhstan	3.71	37.10	0.64		121	Rwanda	0.38	3.80	0.10	
50	Chile	3.67	36.70	0.62		123	Malawi	0.26	2.60	0.09	
50	Saudi Arabia	3.67	36.70	0.62		124	Bangladesh	0.24	2.40	0.08	
50	TFYR of Macedonia	3.67	36.70	0.62		125	Mozambique	0.23	2.30	0.07	
53	Lebanon	3.54	35.40	0.61		126	Cameroon	0.19	1.90	0.07	○
54	Serbia	3.52	35.20	0.60		127	Benin	0.14	1.40	0.06	
55	Brazil	3.41	34.10	0.60		128	Burkina Faso	0.13	1.30	0.05	○
56	Romania	3.34	33.40	0.59		129	Mali	0.10	1.00	0.04	
57	Bosnia and Herzegovina	3.19	31.90	0.58		130	Côte d'Ivoire	0.09	0.90	0.04	○
58	Argentina	3.16	31.60	0.57		131	Ethiopia	0.07	0.70	0.01	○
59	Malaysia	3.11	31.10	0.57		131	Madagascar	0.07	0.70	0.01	○
60	Costa Rica	3.06	30.60	0.56		131	Niger	0.07	0.70	0.01	○
61	Trinidad and Tobago	2.83	28.30	0.55		134	Guinea	0.05	0.50	0.01	○
62	Georgia	2.82	28.20	0.54		135	Myanmar	0.04	0.40	0.00	○
63	Albania	2.71	27.10	0.54		n/a	Burundi	n/a	n/a	n/a	
64	China	2.70	27.00	0.53		n/a	Guatemala	n/a	n/a	n/a	
65	Mauritius	2.69	26.90	0.52		n/a	Kuwait	n/a	n/a	n/a	
66	Turkey	2.63	26.30	0.51		n/a	Kyrgyzstan	n/a	n/a	n/a	
67	Armenia	2.60	26.00	0.51		n/a	Montenegro	n/a	n/a	n/a	
68	Brunei Darussalam	2.53	25.30	0.50		n/a	Nepal	n/a	n/a	n/a	
69	Seychelles	2.52	25.20	0.49		n/a	Tajikistan	n/a	n/a	n/a	
70	Egypt	2.51	25.10	0.49		n/a	Togo	n/a	n/a	n/a	
71	Panama	2.46	24.60	0.48							
72	South Africa	2.35	23.50	0.47							
73	Morocco	2.28	22.80	0.46							

SOURCE: International Telecommunication Union, *Measuring the Information Society* 2013, ICT Development Index 2013

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Korea, Rep.	1.00	100.00	0.99	●	74	Trinidad and Tobago	0.48	48.37	0.48	
1	Singapore	1.00	100.00	0.99	●	74	Venezuela, Bolivarian Rep.	0.48	48.37	0.48	
1	United States of America	1.00	100.00	0.99	●	76	Lebanon	0.48	47.71	0.46	
4	United Kingdom	0.97	97.39	0.98	●	76	Tunisia	0.48	47.71	0.46	
5	Netherlands	0.96	96.08	0.97	●	78	Ethiopia	0.47	47.06	0.45	
6	Canada	0.89	88.89	0.96	●	79	Guatemala	0.46	46.41	0.43	
7	Finland	0.88	88.24	0.96		79	Panama	0.46	46.41	0.43	
8	France	0.88	87.58	0.95	●	79	Turkey	0.46	46.41	0.43	
9	Australia	0.86	86.27	0.92		82	Ecuador	0.46	45.75	0.41	
9	Bahrain	0.86	86.27	0.92	●	82	Paraguay	0.46	45.75	0.41	
9	Japan	0.86	86.27	0.92		82	South Africa	0.46	45.75	0.41	
9	United Arab Emirates	0.86	86.27	0.92	●	85	TFYR of Macedonia	0.45	45.10	0.40	
13	Denmark	0.86	85.62	0.91		86	Bangladesh	0.44	44.44	0.40	
13	Norway	0.86	85.62	0.91		87	Cabo Verde	0.44	43.79	0.39	
15	Israel	0.85	84.97	0.90		88	Kenya	0.43	43.14	0.38	
16	Colombia	0.84	84.31	0.89	●	88	Mauritius	0.43	43.14	0.38	
16	Sweden	0.84	84.31	0.89		90	Albania	0.42	42.48	0.35	
18	Estonia	0.82	82.35	0.88		90	Kyrgyzstan	0.42	42.48	0.35	
19	Saudi Arabia	0.80	79.74	0.87	●	90	Ukraine	0.42	42.48	0.35	
20	Malaysia	0.79	79.08	0.87		90	Viet Nam	0.42	42.48	0.35	
21	Kazakhstan	0.78	78.43	0.85	●	94	Belarus	0.41	41.18	0.33	
21	New Zealand	0.78	78.43	0.85		94	Bolivia, Plurinational St.	0.41	41.18	0.33	
23	Spain	0.76	75.82	0.84		96	Jordan	0.39	39.22	0.33	
24	Chile	0.75	75.16	0.83		97	Honduras	0.38	37.91	0.31	
24	Germany	0.75	75.16	0.83		97	Sri Lanka	0.38	37.91	0.31	
26	Austria	0.75	74.51	0.82		99	Barbados	0.37	37.25	0.30	
27	Qatar	0.74	73.86	0.82		99	Bosnia and Herzegovina	0.37	37.25	0.30	
28	Mexico	0.73	73.20	0.81	●	101	Azerbaijan	0.37	36.60	0.28	
29	Lithuania	0.70	69.93	0.79		101	Mozambique	0.37	36.60	0.28	
29	Luxembourg	0.70	69.93	0.79		101	Pakistan	0.37	36.60	0.28	
31	Hungary	0.69	68.63	0.79		104	Botswana	0.36	35.95	0.26	
32	Brazil	0.67	67.32	0.77		104	Fiji	0.36	35.95	0.26	
32	El Salvador	0.67	67.32	0.77	●	106	Bhutan	0.35	35.29	0.25	
32	Switzerland	0.67	67.32	0.77		106	Tanzania, United Rep.	0.35	35.29	0.25	
35	Oman	0.67	66.67	0.75	●	108	Senegal	0.35	34.64	0.24	
35	Slovenia	0.67	66.67	0.75		109	Rwanda	0.34	33.99	0.23	
37	Russian Federation	0.66	66.01	0.74		110	Angola	0.33	33.33	0.21	
38	Portugal	0.65	65.36	0.74		110	Côte d'Ivoire	0.33	33.33	0.21	
39	Belgium	0.65	64.71	0.73		110	Seychelles	0.33	33.33	0.21	○
40	Croatia	0.64	64.05	0.72		113	Armenia	0.33	32.68	0.21	○
41	Malta	0.61	61.44	0.72		114	Gambia	0.32	32.03	0.18	
42	Egypt	0.60	60.13	0.70	●	114	Madagascar	0.32	32.03	0.18	
42	Georgia	0.60	60.13	0.70		114	Mali	0.32	32.03	0.18	
44	Brunei Darussalam	0.59	59.48	0.70		117	Nicaragua	0.31	31.37	0.17	
45	Latvia	0.59	58.82	0.68		117	Zambia	0.31	31.37	0.17	
45	Mongolia	0.59	58.82	0.68		119	Jamaica	0.31	30.72	0.16	
47	Kuwait	0.58	58.17	0.67		120	Cameroon	0.30	30.07	0.13	
48	Greece	0.58	57.52	0.65		120	Ghana	0.30	30.07	0.13	
48	Italy	0.58	57.52	0.65		120	Lesotho	0.30	30.07	0.13	
48	Serbia	0.58	57.52	0.65		120	Namibia	0.30	30.07	0.13	○
51	Cyprus	0.56	56.21	0.65		120	Zimbabwe	0.30	30.07	0.13	
52	Uruguay	0.55	54.90	0.64		125	Burkina Faso	0.29	29.41	0.11	
53	Czech Republic	0.54	54.25	0.62		125	Uganda	0.29	29.41	0.11	
53	Iceland	0.54	54.25	0.62		127	Nepal	0.29	28.76	0.11	
53	Morocco	0.54	54.25	0.62		128	Algeria	0.25	25.49	0.09	
56	Dominican Republic	0.54	53.59	0.59		128	Guyana	0.25	25.49	0.09	○
56	India	0.54	53.59	0.59		128	Sudan	0.25	25.49	0.09	
56	Ireland	0.54	53.59	0.59		131	Tajikistan	0.24	24.18	0.08	
56	Poland	0.54	53.59	0.59		132	Nigeria	0.22	22.22	0.07	
60	Argentina	0.53	52.94	0.57		133	Malawi	0.22	21.57	0.06	○
60	China	0.53	52.94	0.57		134	Benin	0.20	19.61	0.05	○
62	Moldova, Rep.	0.52	51.63	0.55		134	Niger	0.20	19.61	0.05	
62	Peru	0.52	51.63	0.55		136	Cambodia	0.19	18.95	0.04	
62	Romania	0.52	51.63	0.55		137	Yemen	0.18	17.65	0.04	
65	Montenegro	0.51	50.98	0.54		138	Burundi	0.15	15.03	0.03	
65	Thailand	0.51	50.98	0.54		139	Swaziland	0.14	14.38	0.02	○
67	Slovakia	0.50	50.33	0.53		140	Togo	0.14	13.73	0.01	○
68	Costa Rica	0.50	49.67	0.50		141	Myanmar	0.10	10.46	0.01	
68	Indonesia	0.50	49.67	0.50		142	Guinea	0.00	0.00	0.00	○
68	Philippines	0.50	49.67	0.50		n/a	Hong Kong (China)	n/a	n/a	n/a	
68	Uzbekistan	0.50	49.67	0.50							
72	Bulgaria	0.49	49.02	0.49							
72	Iran, Islamic Rep.	0.49	49.02	0.49							

SOURCE: United Nations Public Administration Network, e-Government Survey 2012

NOTE: ● indicates a strength; ○ a weakness.

3.1.4 Online e-participation

E-participation Index | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Korea, Rep.	1.00	100.00	0.99	●	73	Iran, Islamic Rep.	0.18	18.42	0.45	
1	Netherlands	1.00	100.00	0.99	●	73	Kuwait	0.18	18.42	0.45	
3	Kazakhstan	0.95	94.74	0.98	●	73	Nigeria	0.18	18.42	0.45	
3	Singapore	0.95	94.74	0.98		73	Poland	0.18	18.42	0.45	
5	United Kingdom	0.92	92.11	0.96	●	73	Uruguay	0.18	18.42	0.45	
5	United States of America	0.92	92.11	0.96		79	Burkina Faso	0.16	15.79	0.42	
7	Israel	0.89	89.47	0.96	●	79	Iceland	0.16	15.79	0.42	
8	Australia	0.76	76.32	0.94		79	Paraguay	0.16	15.79	0.42	
8	Estonia	0.76	76.32	0.94	●	79	South Africa	0.16	15.79	0.42	
8	Germany	0.76	76.32	0.94		79	Ukraine	0.16	15.79	0.42	
11	Colombia	0.74	73.68	0.91	●	84	Azerbaijan	0.13	13.16	0.35	
11	Finland	0.74	73.68	0.91		84	Belgium	0.13	13.16	0.35	○
11	Japan	0.74	73.68	0.91		84	Côte d'Ivoire	0.13	13.16	0.35	
11	United Arab Emirates	0.74	73.68	0.91	●	84	Honduras	0.13	13.16	0.35	
15	Canada	0.68	68.42	0.88		84	Ireland	0.13	13.16	0.35	○
15	Egypt	0.68	68.42	0.88	●	84	Mozambique	0.13	13.16	0.35	
15	Norway	0.68	68.42	0.88		84	Nicaragua	0.13	13.16	0.35	
15	Sweden	0.68	68.42	0.88		84	Pakistan	0.13	13.16	0.35	
19	Bahrain	0.66	65.79	0.86	●	84	Slovakia	0.13	13.16	0.35	
19	Chile	0.66	65.79	0.86	●	84	TFYR of Macedonia	0.13	13.16	0.35	
19	Russian Federation	0.66	65.79	0.86	●	94	Albania	0.11	10.53	0.32	
22	Qatar	0.63	63.16	0.84		94	Ghana	0.11	10.53	0.32	
22	Saudi Arabia	0.63	63.16	0.84	●	94	Jordan	0.11	10.53	0.32	
24	Mongolia	0.61	60.53	0.84	●	94	Viet Nam	0.11	10.53	0.32	
25	France	0.58	57.89	0.82		98	Bangladesh	0.08	7.89	0.23	
25	Mexico	0.58	57.89	0.82	●	98	Belarus	0.08	7.89	0.23	
25	New Zealand	0.58	57.89	0.82		98	Benin	0.08	7.89	0.23	
28	Denmark	0.55	55.26	0.80		98	Cyprus	0.08	7.89	0.23	
28	El Salvador	0.55	55.26	0.80	●	98	Fiji	0.08	7.89	0.23	
30	Lithuania	0.53	52.63	0.79		98	Mauritius	0.08	7.89	0.23	○
31	Brazil	0.50	50.00	0.77	●	98	Romania	0.08	7.89	0.23	○
31	Malaysia	0.50	50.00	0.77		98	Seychelles	0.08	7.89	0.23	○
31	Spain	0.50	50.00	0.77		98	Sri Lanka	0.08	7.89	0.23	
34	Brunei Darussalam	0.47	47.37	0.76	●	98	Sudan	0.08	7.89	0.23	
34	Dominican Republic	0.47	47.37	0.76	●	98	Tanzania, United Rep.	0.08	7.89	0.23	
36	Hungary	0.45	44.74	0.74		98	Trinidad and Tobago	0.08	7.89	0.23	
36	Oman	0.45	44.74	0.74	●	98	Uganda	0.08	7.89	0.23	
38	Luxembourg	0.39	39.47	0.72		111	Algeria	0.05	5.26	0.19	
38	Moldova, Rep.	0.39	39.47	0.72		111	Kenya	0.05	5.26	0.19	
38	Morocco	0.39	39.47	0.72	●	111	Swaziland	0.05	5.26	0.19	
38	Peru	0.39	39.47	0.72		111	Togo	0.05	5.26	0.19	
42	Austria	0.37	36.84	0.70		111	Turkey	0.05	5.26	0.19	○
42	Portugal	0.37	36.84	0.70		116	Angola	0.03	2.63	0.10	
42	Tunisia	0.37	36.84	0.70		116	Barbados	0.03	2.63	0.10	○
45	Ethiopia	0.34	34.21	0.67	●	116	Bhutan	0.03	2.63	0.10	
45	Greece	0.34	34.21	0.67		116	Botswana	0.03	2.63	0.10	○
45	Switzerland	0.34	34.21	0.67		116	Bulgaria	0.03	2.63	0.10	○
48	Costa Rica	0.32	31.58	0.64		116	Cameroon	0.03	2.63	0.10	
48	Lebanon	0.32	31.58	0.64		116	Lesotho	0.03	2.63	0.10	
48	Montenegro	0.32	31.58	0.64		116	Madagascar	0.03	2.63	0.10	
48	Panama	0.32	31.58	0.64		116	Namibia	0.03	2.63	0.10	○
48	Thailand	0.32	31.58	0.64		116	Nepal	0.03	2.63	0.10	
53	Argentina	0.29	28.95	0.62		116	Rwanda	0.03	2.63	0.10	
53	Croatia	0.29	28.95	0.62		116	Zambia	0.03	2.63	0.10	
53	Kyrgyzstan	0.29	28.95	0.62		116	Zimbabwe	0.03	2.63	0.10	
56	Czech Republic	0.26	26.32	0.59		129	Armenia	0.00	0.00	0.00	○
56	Italy	0.26	26.32	0.59		129	Bosnia and Herzegovina	0.00	0.00	0.00	○
56	Malta	0.26	26.32	0.59		129	Burundi	0.00	0.00	0.00	○
56	Venezuela, Bolivarian Rep.	0.26	26.32	0.59	●	129	Cambodia	0.00	0.00	0.00	○
60	Cabo Verde	0.24	23.68	0.55		129	Gambia	0.00	0.00	0.00	○
60	Ecuador	0.24	23.68	0.55		129	Guinea	0.00	0.00	0.00	○
60	Guatemala	0.24	23.68	0.55		129	Guyana	0.00	0.00	0.00	○
60	Serbia	0.24	23.68	0.55		129	Jamaica	0.00	0.00	0.00	○
60	Uzbekistan	0.24	23.68	0.55		129	Malawi	0.00	0.00	0.00	○
65	Bolivia, Plurinational St.	0.21	21.05	0.50		129	Mali	0.00	0.00	0.00	○
65	China	0.21	21.05	0.50		129	Myanmar	0.00	0.00	0.00	○
65	Georgia	0.21	21.05	0.50		129	Niger	0.00	0.00	0.00	○
65	Indonesia	0.21	21.05	0.50		129	Tajikistan	0.00	0.00	0.00	○
65	Latvia	0.21	21.05	0.50		129	Yemen	0.00	0.00	0.00	○
65	Philippines	0.21	21.05	0.50		n/a	Hong Kong (China)	n/a	n/a	n/a	
65	Senegal	0.21	21.05	0.50							
65	Slovenia	0.21	21.05	0.50							
73	India	0.18	18.42	0.45							

SOURCE: United Nations Public Administration Network, e-Government Survey 2012

NOTE: ● indicates a strength; ○ a weakness.

3.2.1 Electricity output

Electricity output (kWh per capita) | 2011

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Iceland (2012)	54,840.63	100.00	0.98	●	74	Thailand	2,243.76	10.94	0.41	
1	Kuwait	20,374.82	100.00	0.98	●	75	Azerbaijan	2,213.09	10.79	0.40	
1	Norway (2012)	29,237.65	100.00	0.98	●	76	Panama	2,200.84	10.73	0.39	
4	Canada (2012)	18,547.92	91.03	0.98	●	77	Costa Rica	2,078.86	10.13	0.38	
5	Sweden (2012)	17,358.87	85.19	0.97	●	78	Egypt	1,897.09	9.24	0.37	
6	Qatar	16,433.16	80.64	0.96	●	79	Jamaica	1,897.05	9.24	0.37	
7	United States of America (2012)	13,589.23	66.67	0.95		80	Uzbekistan	1,785.96	8.69	0.36	
8	Finland (2012)	13,007.76	63.81	0.94		81	Mongolia	1,697.50	8.26	0.35	
9	United Arab Emirates	12,564.89	61.64	0.93	●	82	Moldova, Rep.	1,625.28	7.90	0.34	
10	Australia (2012)	10,929.81	53.61	0.93		83	Tunisia	1,511.72	7.34	0.33	
11	Korea, Rep. (2012)	10,576.62	51.87	0.92		84	Algeria	1,423.68	6.91	0.33	
12	Bahrain	10,474.24	51.37	0.91	●	85	Ecuador	1,381.46	6.70	0.32	
13	New Zealand (2012)	9,946.52	48.78	0.90		86	Peru	1,334.12	6.47	0.31	
14	Brunei Darussalam	9,085.37	44.55	0.89	●	87	Lithuania	1,326.88	6.43	0.30	
15	Estonia (2012)	8,929.85	43.78	0.89		88	Colombia	1,317.32	6.39	0.29	
16	Saudi Arabia	8,905.88	43.66	0.88	●	89	Albania	1,291.61	6.26	0.28	
17	Singapore	8,880.12	43.54	0.87		90	Dominican Republic	1,289.76	6.25	0.28	
18	Paraguay	8,771.08	43.00	0.86	●	91	Viet Nam	1,129.09	5.46	0.27	
19	Switzerland (2012)	8,573.14	42.03	0.85		92	El Salvador	931.78	4.49	0.26	
20	France (2012)	8,506.37	41.70	0.85		93	Honduras	918.30	4.43	0.25	
21	Czech Republic (2012)	8,264.03	40.51	0.84		94	Zambia	849.70	4.09	0.24	
22	Japan (2012)	8,060.63	39.51	0.83		95	India	847.63	4.08	0.24	
23	Israel (2012)	7,675.60	37.62	0.82		96	Morocco	770.75	3.70	0.23	
24	Oman	7,675.09	37.62	0.81	●	97	Indonesia	752.63	3.61	0.22	
25	Austria (2012)	7,665.76	37.57	0.80		98	Philippines	729.32	3.50	0.21	
26	Slovenia (2012)	7,537.38	36.94	0.80		99	Bolivia, Plurinational St.	715.76	3.43	0.20	
27	Germany (2012)	7,483.40	36.68	0.79		100	Mozambique	703.30	3.37	0.20	
28	Russian Federation	7,419.16	36.36	0.78		101	Zimbabwe	700.00	3.36	0.19	
29	Belgium (2012)	6,999.28	34.30	0.77		102	Nicaragua	651.62	3.12	0.18	
30	Bulgaria	6,687.57	32.77	0.76		103	Namibia	616.38	2.94	0.17	
31	Trinidad and Tobago	6,568.15	32.18	0.76	●	104	Sri Lanka	558.03	2.66	0.16	○
32	Spain (2012)	6,369.42	31.20	0.75		105	Guatemala	551.90	2.63	0.15	
33	Cyprus	6,161.25	30.18	0.74		106	Pakistan	538.94	2.56	0.15	
34	Netherlands (2012)	6,098.63	29.87	0.73		107	Ghana	448.54	2.12	0.14	
35	Ireland (2012)	5,992.16	29.35	0.72		108	Côte d'Ivoire	302.68	1.40	0.13	
36	United Kingdom (2012)	5,697.86	27.91	0.72		109	Cameroon	299.35	1.39	0.12	
37	Hong Kong (China)	5,520.51	27.03	0.71		110	Bangladesh	292.78	1.36	0.11	
38	Denmark (2012)	5,438.82	26.63	0.70		111	Angola	288.02	1.33	0.11	
39	Serbia	5,237.47	25.64	0.69		112	Yemen	250.24	1.15	0.10	
40	Kazakhstan	5,228.62	25.60	0.68		113	Senegal	236.02	1.08	0.09	○
41	Malta	5,223.81	25.58	0.67		114	Sudan	192.70	0.86	0.08	
42	Slovakia (2012)	5,184.07	25.38	0.67		115	Kenya	188.63	0.84	0.07	○
43	Luxembourg (2012)	5,173.58	25.33	0.66		116	Botswana	183.25	0.82	0.07	○
44	South Africa	5,130.97	25.12	0.65		117	Nigeria	166.39	0.73	0.06	○
45	Greece (2012)	5,080.76	24.87	0.64		118	Myanmar	151.57	0.66	0.05	
46	Italy (2012)	4,871.19	23.84	0.63		119	Tanzania, United Rep.	114.71	0.48	0.04	○
47	Malaysia	4,507.62	22.06	0.63		120	Nepal	108.63	0.45	0.03	○
48	Portugal (2012)	4,279.70	20.94	0.62		121	Cambodia	73.58	0.28	0.02	○
49	Ukraine	4,264.87	20.87	0.61		122	Ethiopia	60.91	0.22	0.02	○
50	Montenegro	4,215.87	20.63	0.60		123	Togo	22.56	0.03	0.01	○
51	Poland (2012)	4,202.91	20.56	0.59		124	Benin	16.92	0.00	0.00	○
52	Venezuela, Bolivarian Rep.	4,168.68	20.39	0.59		n/a	Barbados	n/a	n/a	n/a	
53	Bosnia and Herzegovina	4,074.67	19.93	0.58		n/a	Bhutan	n/a	n/a	n/a	
54	Chile (2012)	3,921.16	19.18	0.57		n/a	Burkina Faso	n/a	n/a	n/a	
55	Lebanon	3,841.55	18.79	0.56		n/a	Burundi	n/a	n/a	n/a	
56	China	3,508.38	17.15	0.55		n/a	Cabo Verde	n/a	n/a	n/a	
57	Hungary (2012)	3,461.57	16.92	0.54		n/a	Fiji	n/a	n/a	n/a	
58	Belarus	3,399.37	16.61	0.54		n/a	Gambia	n/a	n/a	n/a	
59	TFYR of Macedonia	3,337.86	16.31	0.53		n/a	Guinea	n/a	n/a	n/a	
60	Iran, Islamic Rep.	3,204.61	15.66	0.52		n/a	Guyana	n/a	n/a	n/a	
61	Turkey (2012)	3,194.15	15.61	0.51		n/a	Lesotho	n/a	n/a	n/a	
62	Argentina	3,177.70	15.53	0.50		n/a	Madagascar	n/a	n/a	n/a	
63	Uruguay	3,069.44	14.99	0.50		n/a	Malawi	n/a	n/a	n/a	
64	Romania	2,898.50	14.15	0.49		n/a	Mali	n/a	n/a	n/a	
65	Kyrgyzstan	2,751.00	13.43	0.48		n/a	Mauritius	n/a	n/a	n/a	
66	Latvia	2,745.05	13.40	0.47		n/a	Niger	n/a	n/a	n/a	
67	Brazil	2,703.95	13.20	0.46		n/a	Rwanda	n/a	n/a	n/a	
68	Mexico (2012)	2,687.13	13.12	0.46		n/a	Seychelles	n/a	n/a	n/a	
69	Croatia	2,426.76	11.84	0.45		n/a	Swaziland	n/a	n/a	n/a	
70	Armenia	2,397.74	11.69	0.44		n/a	Uganda	n/a	n/a	n/a	
71	Jordan	2,370.06	11.56	0.43							
72	Tajikistan	2,323.64	11.33	0.42							
73	Georgia	2,270.38	11.07	0.41							

SOURCE: International Energy Agency, *World Energy Balances* online data service
NOTE: ● indicates a strength; ○ a weakness.

3.2.2 Logistics performance

Logistics Performance Index | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Singapore	4.13	100.00	1.00	●	74	Malawi	2.81	47.62	0.46	
2	Hong Kong (China)	4.12	99.60	0.99	●	75	Guatemala	2.80	47.22	0.45	
3	Finland	4.05	96.83	0.99		75	Serbia	2.80	47.22	0.45	
4	Germany	4.03	96.03	0.98	●	77	Latvia	2.78	46.43	0.44	
5	Denmark	4.02	95.63	0.96		78	Albania	2.77	46.03	0.43	
5	Netherlands	4.02	95.63	0.96		78	Georgia	2.77	46.03	0.43	
7	Belgium	3.98	94.05	0.96	●	80	Ecuador	2.76	45.63	0.42	
8	Japan	3.93	92.06	0.94		81	Costa Rica	2.75	45.24	0.40	
8	United States of America	3.93	92.06	0.94		81	Sri Lanka	2.75	45.24	0.40	
10	United Kingdom	3.90	90.87	0.93		83	Bangladesh (2010)	2.74	44.84	0.40	
11	Austria	3.89	90.48	0.93	●	84	Côte d'Ivoire	2.73	44.44	0.39	
12	Canada	3.85	88.89	0.90		85	Madagascar	2.72	44.05	0.38	
12	France	3.85	88.89	0.90	●	86	Dominican Republic	2.70	43.25	0.38	
12	Sweden	3.85	88.89	0.90		87	Kazakhstan	2.69	42.86	0.36	
15	Luxembourg	3.82	87.70	0.90		87	Niger	2.69	42.86	0.36	
16	Switzerland	3.80	86.90	0.89		89	Namibia	2.65	41.27	0.35	
17	United Arab Emirates	3.78	86.11	0.88		89	Tanzania, United Rep.	2.65	41.27	0.35	
18	Australia	3.73	84.13	0.88		91	Belarus	2.61	39.68	0.33	
19	Korea, Rep.	3.70	82.94	0.86		91	Bolivia, Plurinational St.	2.61	39.68	0.33	
19	Spain	3.70	82.94	0.86		93	El Salvador	2.60	39.29	0.32	
21	Norway	3.68	82.14	0.85		94	Lebanon	2.58	38.49	0.30	
22	Italy	3.67	81.75	0.84		94	Russian Federation	2.58	38.49	0.30	
22	South Africa	3.67	81.75	0.84	●	94	Togo	2.58	38.49	0.30	
24	China	3.52	75.79	0.82		97	Armenia	2.56	37.70	0.27	
24	Ireland	3.52	75.79	0.82		97	Cambodia	2.56	37.70	0.27	
26	Turkey	3.51	75.40	0.82	●	97	Jordan	2.56	37.70	0.27	
27	Portugal	3.50	75.00	0.81		97	TFYR of Macedonia	2.56	37.70	0.27	○
28	Malaysia	3.49	74.60	0.80		101	Zimbabwe	2.55	37.30	0.26	
29	Poland	3.43	72.22	0.79		102	Nicaragua (2010)	2.54	36.90	0.26	
30	New Zealand	3.42	71.83	0.79		103	Cameroon	2.53	36.51	0.24	
31	Israel (2010)	3.41	71.43	0.78		103	Honduras	2.53	36.51	0.24	
32	Iceland	3.39	70.63	0.77		105	Bhutan	2.52	36.11	0.24	
33	Qatar	3.32	67.86	0.76		106	Ghana	2.51	35.71	0.23	
34	Slovenia	3.29	66.67	0.76		107	Iran, Islamic Rep.	2.49	34.92	0.21	
35	Cyprus	3.24	64.68	0.75		107	Senegal	2.49	34.92	0.21	
36	Bulgaria	3.21	63.49	0.74		107	Venezuela, Bolivarian Rep.	2.49	34.92	0.21	
37	Saudi Arabia	3.18	62.30	0.73		110	Azerbaijan	2.48	34.52	0.18	
37	Thailand	3.18	62.30	0.73		110	Guinea	2.48	34.52	0.18	
39	Chile	3.17	61.90	0.71		110	Paraguay	2.48	34.52	0.18	
39	Hungary	3.17	61.90	0.71		113	Gambia	2.46	33.73	0.17	
39	Tunisia	3.17	61.90	0.71		113	Uzbekistan	2.46	33.73	0.17	
42	Croatia	3.16	61.51	0.69		115	Montenegro	2.45	33.33	0.15	○
42	Malta	3.16	61.51	0.69		115	Nigeria	2.45	33.33	0.15	
44	Czech Republic	3.14	60.71	0.68		117	Kenya	2.43	32.54	0.15	
45	Brazil	3.13	60.32	0.68		118	Fiji	2.42	32.14	0.13	○
46	India	3.08	58.33	0.67		118	Jamaica	2.42	32.14	0.13	○
47	Mexico	3.06	57.54	0.66		120	Algeria	2.41	31.75	0.13	
48	Argentina	3.05	57.14	0.65		121	Myanmar	2.37	30.16	0.12	
48	Bahrain	3.05	57.14	0.65		122	Kyrgyzstan	2.35	29.37	0.11	
50	Morocco	3.03	56.35	0.63		123	Guyana	2.33	28.57	0.10	○
50	Slovakia	3.03	56.35	0.63		123	Moldova, Rep.	2.33	28.57	0.10	○
52	Philippines	3.02	55.95	0.63		125	Burkina Faso	2.32	28.17	0.09	
53	Romania	3.00	55.16	0.61		126	Mozambique (2010)	2.29	26.98	0.08	
53	Viet Nam	3.00	55.16	0.61		127	Angola	2.28	26.59	0.06	
55	Bosnia and Herzegovina	2.99	54.76	0.60		127	Tajikistan	2.28	26.59	0.06	
56	Egypt	2.98	54.37	0.59		127	Zambia (2010)	2.28	26.59	0.06	○
56	Uruguay	2.98	54.37	0.59		130	Mali (2010)	2.27	26.19	0.04	
58	Lithuania	2.95	53.17	0.58		130	Rwanda	2.27	26.19	0.04	○
59	Indonesia	2.94	52.78	0.57		132	Mongolia	2.25	25.40	0.04	○
59	Peru	2.94	52.78	0.57		133	Ethiopia	2.24	25.00	0.02	○
61	Panama	2.93	52.38	0.56		133	Lesotho	2.24	25.00	0.02	○
62	Oman	2.89	50.79	0.54		135	Sudan	2.10	19.44	0.01	○
62	Yemen	2.89	50.79	0.54	●	136	Nepal	2.04	17.06	0.01	○
64	Colombia	2.87	50.00	0.54		137	Burundi	1.61	0.00	0.00	○
65	Estonia	2.86	49.60	0.53		n/a	Barbados	n/a	n/a	n/a	
66	Benin	2.85	49.21	0.51	●	n/a	Brunei Darussalam	n/a	n/a	n/a	
66	Ukraine	2.85	49.21	0.51		n/a	Cabo Verde	n/a	n/a	n/a	
68	Botswana	2.84	48.81	0.51		n/a	Seychelles	n/a	n/a	n/a	
69	Greece	2.83	48.41	0.49		n/a	Swaziland	n/a	n/a	n/a	
69	Kuwait	2.83	48.41	0.49		n/a	Trinidad and Tobago	n/a	n/a	n/a	
69	Pakistan	2.83	48.41	0.49							
72	Mauritius	2.82	48.02	0.47							
72	Uganda (2010)	2.82	48.02	0.47							

SOURCE: World Bank and Turku School of Economics, *Logistics Performance Index 2014*; Arvis et al., 2014, *Connecting to Compete 2014: Trade Logistics in the Global Economy*

NOTE: ● indicates a strength; ○ a weakness.

3.2.3 Gross capital formation

Gross capital formation (% of GDP) | 2013

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Mongolia	56.46	100.00	1.00	●	74	Austria	21.90	27.38	0.48	○
2	China	48.89	84.09	0.99	●	75	Luxembourg	21.34	26.21	0.48	
3	Mozambique	48.72	83.74	0.99	●	76	Costa Rica	21.33	26.18	0.47	
4	Bhutan	47.69	81.58	0.98	●	77	Belgium	21.26	26.04	0.46	○
5	Algeria	43.33	72.41	0.97	●	78	Jamaica	21.19	25.89	0.45	
6	Belarus	39.50	64.37	0.96	●	79	Bulgaria	21.16	25.83	0.45	
7	Lesotho	38.94	63.20	0.96	●	80	Switzerland	20.98	25.45	0.44	○
8	Botswana	38.30	61.83	0.95	●	81	Montenegro	20.98	25.45	0.43	
9	Seychelles	38.02	61.26	0.94	●	82	Kenya	20.93	25.34	0.43	
10	Tanzania, United Rep.	36.66	58.39	0.94	●	83	Namibia	20.84	25.17	0.42	
11	Iran, Islamic Rep.	36.19	57.41	0.93	●	84	Japan	20.68	24.81	0.41	
12	Niger	36.01	57.03	0.92	●	85	Croatia	20.53	24.51	0.40	
13	Cabo Verde	35.78	56.54	0.91	●	86	Togo	20.52	24.48	0.40	
14	India	35.02	54.94	0.91	●	87	New Zealand	20.39	24.21	0.39	○
15	Indonesia	34.58	54.03	0.90	●	88	Ghana	20.35	24.12	0.38	
16	Morocco	34.30	53.43	0.89	●	89	Sudan	20.29	24.00	0.38	●
17	Sri Lanka	33.71	52.21	0.89	●	90	Poland	20.16	23.72	0.37	
18	Ethiopia	32.58	49.83	0.88	●	91	Serbia	20.05	23.50	0.36	
19	Nepal	31.78	48.14	0.87	●	92	Turkey	20.01	23.41	0.35	
20	Uzbekistan	30.80	46.09	0.87	●	93	Uruguay	19.68	22.72	0.35	
21	Senegal	30.29	45.01	0.86	●	94	France	19.58	22.52	0.34	○
22	Thailand	30.03	44.46	0.85		95	Burundi	19.57	22.49	0.33	
23	Nicaragua	29.92	44.23	0.84	●	96	United States of America	19.37	22.07	0.33	○
24	Qatar	29.51	43.38	0.84		97	Cameroon	19.33	21.98	0.32	
25	Panama	28.56	41.38	0.83	●	98	Bolivia, Plurinational St.	19.29	21.90	0.31	
26	Australia	28.49	41.23	0.82		99	South Africa	19.22	21.76	0.30	○
27	Saudi Arabia	28.29	40.81	0.82		100	Guinea	19.22	21.75	0.30	
28	Ecuador	28.17	40.57	0.81	●	101	Brazil	19.17	21.64	0.29	
29	Oman	27.97	40.14	0.80	●	102	Finland	19.02	21.33	0.28	○
30	Peru	27.89	39.98	0.79	●	103	Benin	18.97	21.22	0.28	
31	Bangladesh	27.64	39.45	0.79	●	104	Lebanon	18.80	20.87	0.27	
32	Jordan	27.31	38.76	0.78	●	105	Sweden	18.68	20.62	0.26	○
33	Uganda	27.21	38.53	0.77	●	106	Israel	18.61	20.48	0.26	○
34	Malaysia	27.11	38.33	0.77		107	Philippines	18.59	20.43	0.25	
35	Estonia	26.99	38.09	0.76		108	Lithuania	18.12	19.44	0.24	○
36	Kyrgyzstan	26.97	38.03	0.75	●	109	Slovakia	18.03	19.25	0.23	○
37	Korea, Rep.	26.84	37.75	0.74		110	Spain	18.01	19.22	0.23	○
38	Singapore	26.40	36.84	0.74		111	Côte d'Ivoire	17.88	18.94	0.22	
39	Norway	26.33	36.69	0.73		112	Germany	17.56	18.28	0.21	○
40	Hong Kong (China)	26.32	36.68	0.72		113	Italy	17.42	17.98	0.21	○
41	Romania	26.06	36.13	0.72		114	Denmark	17.41	17.95	0.20	○
42	Bahrain	25.94	35.88	0.71		115	Gambia	17.29	17.70	0.19	
43	Zimbabwe	25.91	35.81	0.70	●	116	Burkina Faso	17.12	17.34	0.18	
44	Zambia	25.68	35.32	0.70	●	117	Hungary	16.73	16.53	0.18	○
45	Latvia	25.68	35.32	0.69		118	Tajikistan	16.61	16.28	0.17	
46	Chile	25.67	35.30	0.68		119	Paraguay	16.56	16.17	0.16	
47	Russian Federation	25.40	34.73	0.67		120	Kuwait	16.43	15.89	0.16	○
48	Guyana	25.33	34.58	0.67	●	121	Ukraine	16.20	15.42	0.15	○
49	Mauritius	25.07	34.04	0.66		122	Slovenia	16.18	15.37	0.14	○
50	United Arab Emirates	24.85	33.59	0.65		123	Bosnia and Herzegovina	16.08	15.15	0.13	○
51	Honduras	24.71	33.28	0.65	●	124	Netherlands	15.66	14.28	0.13	○
52	Azerbaijan	24.67	33.20	0.64		125	Egypt	15.58	14.11	0.12	○
53	Nigeria	24.60	33.06	0.63	●	126	Dominican Republic	15.27	13.45	0.11	○
54	Tunisia	24.56	32.98	0.62		127	Brunei Darussalam	15.20	13.31	0.11	○
55	Madagascar	24.48	32.81	0.62	●	128	Portugal	14.74	12.34	0.10	○
56	Armenia	24.45	32.75	0.61		129	Guatemala	14.56	11.96	0.09	
57	Canada	24.28	32.39	0.60		130	Barbados	14.26	11.33	0.09	○
58	Argentina	24.25	32.32	0.60		131	Pakistan	14.22	11.26	0.08	○
59	Rwanda	24.20	32.21	0.59		132	United Kingdom	14.04	10.86	0.07	○
60	Mexico	24.17	32.15	0.58		133	El Salvador	14.03	10.85	0.06	○
61	Moldova, Rep.	24.15	32.11	0.57		134	Trinidad and Tobago	13.99	10.76	0.06	○
62	Viet Nam	24.00	31.79	0.57		135	Angola	13.84	10.44	0.05	
63	Venezuela, Bolivarian Rep.	23.95	31.69	0.56		136	Iceland	13.59	9.93	0.04	○
64	Colombia	23.73	31.24	0.55		137	Greece	13.19	9.09	0.04	○
65	Georgia	23.56	30.87	0.55		138	Malta	12.62	7.89	0.03	○
66	Cambodia	23.50	30.75	0.54	●	139	Ireland	11.01	4.50	0.02	○
67	Albania	23.42	30.58	0.53		140	Cyprus	10.46	3.34	0.01	○
68	Fiji	23.35	30.44	0.52		141	Swaziland	10.45	3.32	0.01	○
69	Myanmar	23.32	30.37	0.52	●	142	Yemen	8.87	0.00	0.00	○
70	Kazakhstan	22.99	29.67	0.51		n/a	TFYR of Macedonia	n/a	n/a	n/a	
71	Czech Republic	22.66	28.99	0.50							
72	Mali	22.25	28.11	0.50							
73	Malawi	22.00	27.59	0.49	●						

SOURCE: International Monetary Fund, *World Economic Outlook 2013* database
NOTE: ● indicates a strength; ○ a weakness.

3.3.1

GDP per unit of energy use

GDP per unit of energy use (2005 PPP\$ per kg of oil equivalent) | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	21.19	100.00	1.00	●	74	Montenegro	5.61	25.06	0.41	
2	Colombia	13.16	61.36	0.99	●	75	Cambodia	5.59	24.93	0.40	
3	Peru	12.90	60.14	0.98	●	76	Sudan	5.51	24.57	0.39	●
4	Ireland (2012)	12.63	58.81	0.98	●	77	Malaysia	5.39	23.97	0.38	○
5	Switzerland (2012)	12.35	57.45	0.97		78	Myanmar	5.34	23.72	0.37	●
6	Panama	12.11	56.30	0.96	●	79	Korea, Rep. (2012)	5.32	23.64	0.37	○
7	Botswana	11.93	55.47	0.95	●	80	India	5.31	23.57	0.36	
8	Dominican Republic	11.78	54.73	0.94	●	81	Finland (2012)	5.14	22.80	0.35	○
9	Albania	11.63	54.00	0.93	●	82	Pakistan	5.05	22.35	0.34	
10	Malta	11.24	52.11	0.93	●	83	United Arab Emirates	5.05	22.34	0.33	○
11	Costa Rica	10.91	50.52	0.92	●	84	Canada (2012)	4.97	21.96	0.33	○
12	United Kingdom (2012)	10.75	49.79	0.91		85	Brunei Darussalam	4.84	21.35	0.32	
13	Denmark (2012)	10.60	49.08	0.90		86	Indonesia	4.75	20.88	0.31	
14	Uruguay	10.12	46.75	0.89	●	87	Venezuela, Bolivarian Rep.	4.69	20.64	0.30	
15	Italy (2012)	10.11	46.70	0.89	●	88	Jordan	4.61	20.23	0.29	
16	Portugal (2012)	10.06	46.46	0.88	●	89	Bulgaria	4.59	20.12	0.28	
17	Sri Lanka	9.87	45.55	0.87	●	90	Thailand	4.45	19.48	0.28	
18	Spain (2012)	9.84	45.41	0.86		91	Serbia	4.41	19.26	0.27	
19	Austria (2012)	9.32	42.89	0.85		92	Estonia (2012)	4.38	19.14	0.26	○
20	Tunisia	9.28	42.68	0.85	●	93	Qatar	4.38	19.13	0.25	
21	Germany (2012)	9.26	42.60	0.84		94	Viet Nam	4.32	18.85	0.24	
22	Greece (2012)	9.08	41.75	0.83		95	Belarus	4.24	18.43	0.24	
23	Israel (2012)	8.95	41.13	0.82		96	Kuwait	4.15	18.03	0.23	
24	Japan (2012)	8.88	40.78	0.81		97	Bosnia and Herzegovina	4.02	17.40	0.22	
25	Cyprus	8.86	40.67	0.80		98	Ghana	3.91	16.86	0.21	
26	Turkey (2012)	8.79	40.33	0.80	●	99	Iran, Islamic Rep.	3.90	16.79	0.20	
27	Namibia	8.76	40.18	0.79	●	100	Kyrgyzstan	3.77	16.17	0.20	
28	Luxembourg (2012)	8.70	39.93	0.78		101	China	3.65	15.63	0.19	
29	El Salvador	8.70	39.89	0.77	●	102	South Africa	3.46	14.71	0.18	○
30	Ecuador	8.67	39.78	0.76	●	103	Benin	3.45	14.67	0.17	
31	Lebanon	8.65	39.67	0.76		104	Mongolia	3.25	13.68	0.16	
32	Philippines	8.53	39.10	0.75	●	105	Nepal	3.24	13.65	0.15	
33	Chile (2012)	8.51	39.00	0.74		106	Saudi Arabia	3.22	13.53	0.15	○
34	Croatia	8.33	38.15	0.73		107	Moldova, Rep.	3.18	13.34	0.14	○
35	Morocco	8.31	38.01	0.72	●	108	Kenya	3.11	13.02	0.13	
35	Singapore	8.31	38.01	0.72		109	Nigeria	3.07	12.82	0.12	
37	Norway (2012)	8.01	36.57	0.71		110	Tanzania, United Rep.	2.89	11.94	0.11	
38	Mexico (2012)	7.92	36.18	0.70		111	Bahrain	2.88	11.92	0.11	○
39	Argentina	7.89	36.00	0.69		112	Russian Federation	2.88	11.89	0.10	○
40	Netherlands (2012)	7.84	35.79	0.68		113	Oman	2.85	11.76	0.09	○
41	France (2012)	7.78	35.49	0.67		114	Côte d'Ivoire	2.84	11.69	0.08	○
42	Angola	7.55	34.39	0.67	●	115	Kazakhstan	2.45	9.85	0.07	○
43	Bangladesh	7.55	34.36	0.66	●	116	Ethiopia	2.44	9.77	0.07	
44	Brazil	7.49	34.06	0.65		117	Ukraine	2.30	9.12	0.06	○
45	Lithuania	7.42	33.74	0.64		118	Zambia	2.28	9.01	0.05	○
46	Poland (2012)	7.30	33.20	0.63		119	Togo	2.06	7.97	0.04	○
47	Hungary (2012)	7.22	32.76	0.63		120	Mozambique	2.02	7.76	0.03	○
48	Yemen	7.06	32.00	0.62	●	121	Iceland (2012)	1.81	6.75	0.02	○
49	Slovenia (2012)	7.05	31.98	0.61		122	Uzbekistan	1.78	6.63	0.02	○
50	Latvia	7.00	31.72	0.60		123	Trinidad and Tobago	1.43	4.90	0.01	○
51	Slovakia (2012)	6.91	31.30	0.59		124	Zimbabwe	0.41	0.00	0.00	○
52	Sweden (2012)	6.85	31.00	0.59	○	n/a	Barbados	n/a	n/a	n/a	
53	Paraguay	6.57	29.66	0.58	●	n/a	Bhutan	n/a	n/a	n/a	
54	Algeria	6.57	29.66	0.57	●	n/a	Burkina Faso	n/a	n/a	n/a	
55	Romania	6.51	29.37	0.56		n/a	Burundi	n/a	n/a	n/a	
56	Nicaragua	6.50	29.33	0.55	●	n/a	Cabo Verde	n/a	n/a	n/a	
57	Azerbaijan	6.49	29.27	0.54		n/a	Fiji	n/a	n/a	n/a	
58	Belgium (2012)	6.35	28.62	0.54		n/a	Gambia	n/a	n/a	n/a	
59	United States of America (2012)	6.34	28.56	0.53		n/a	Guinea	n/a	n/a	n/a	
60	Guatemala	6.32	28.44	0.52		n/a	Guyana	n/a	n/a	n/a	
61	Senegal	6.31	28.40	0.51		n/a	Lesotho	n/a	n/a	n/a	
62	TFYR of Macedonia	6.25	28.12	0.50		n/a	Madagascar	n/a	n/a	n/a	
63	Cameroon	6.21	27.91	0.50	●	n/a	Malawi	n/a	n/a	n/a	
64	Jamaica	6.16	27.68	0.49		n/a	Mali	n/a	n/a	n/a	
65	New Zealand (2012)	6.13	27.57	0.48	○	n/a	Mauritius	n/a	n/a	n/a	
66	Australia (2012)	6.12	27.51	0.47	○	n/a	Niger	n/a	n/a	n/a	
67	Georgia	6.11	27.46	0.46		n/a	Rwanda	n/a	n/a	n/a	
68	Tajikistan	5.98	26.81	0.46		n/a	Seychelles	n/a	n/a	n/a	
69	Bolivia, Plurinational St.	5.90	26.42	0.44		n/a	Swaziland	n/a	n/a	n/a	
69	Egypt	5.90	26.42	0.44		n/a	Uganda	n/a	n/a	n/a	
71	Honduras	5.85	26.19	0.43							
72	Armenia	5.84	26.14	0.42							
73	Czech Republic (2012)	5.83	26.12	0.41							

SOURCE: International Energy Agency, *World Energy Balances* online data service

NOTE: ● indicates a strength; ○ a weakness.

3.3.2 Environmental performance

Environmental Performance Index | 2014

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Rank	Country/Economy	Value	Score (0–100)	Percent rank
1	Switzerland	87.67	87.67	1.00
2	Luxembourg	83.29	83.29	0.99
3	Australia	82.40	82.40	0.99
4	Singapore	81.78	81.78	0.98
5	Czech Republic	81.47	81.47	0.97
6	Germany	80.47	80.47	0.96
7	Spain	79.79	79.79	0.96
8	Austria	78.32	78.32	0.95
9	Sweden	78.09	78.09	0.94
10	Norway	78.04	78.04	0.94
11	Netherlands	77.75	77.75	0.93
12	United Kingdom	77.35	77.35	0.92
13	Denmark	76.92	76.92	0.91
14	Iceland	76.50	76.50	0.91
15	Slovenia	76.43	76.43	0.90
16	New Zealand	76.41	76.41	0.89
17	Portugal	75.80	75.80	0.89
18	Finland	75.72	75.72	0.88
19	Ireland	74.67	74.67	0.87
20	Estonia	74.66	74.66	0.86
21	Slovakia	74.45	74.45	0.86
22	Italy	74.36	74.36	0.85
23	Greece	73.28	73.28	0.84
24	Canada	73.14	73.14	0.84
25	United Arab Emirates	72.91	72.91	0.83
26	Japan	72.35	72.35	0.82
27	France	71.05	71.05	0.81
28	Hungary	70.28	70.28	0.81
29	Chile	69.93	69.93	0.80
30	Poland	69.53	69.53	0.79
31	Serbia	69.13	69.13	0.79
32	Belarus	67.69	67.69	0.78
33	United States of America	67.52	67.52	0.77
34	Malta	67.42	67.42	0.76
35	Saudi Arabia	66.66	66.66	0.76
36	Belgium	66.61	66.61	0.75
37	Brunei Darussalam	66.49	66.49	0.74
38	Cyprus	66.23	66.23	0.74
39	Israel	65.78	65.78	0.73
40	Latvia	64.05	64.05	0.72
41	Bulgaria	64.01	64.01	0.71
42	Kuwait	63.94	63.94	0.71
43	Korea, Rep.	63.79	63.79	0.70
44	Qatar	63.03	63.03	0.69
45	Croatia	62.23	62.23	0.69
46	Armenia	61.67	61.67	0.68
47	Lithuania	61.26	61.26	0.67
48	Egypt	61.11	61.11	0.66
49	Malaysia	59.31	59.31	0.66
50	Tunisia	58.99	58.99	0.65
51	Ecuador	58.54	58.54	0.64
52	Costa Rica	58.53	58.53	0.64
53	Jamaica	58.26	58.26	0.63
54	Mauritius	58.09	58.09	0.62
55	Panama	56.84	56.84	0.61
56	Jordan	55.78	55.78	0.61
57	Seychelles	55.56	55.56	0.60
58	Montenegro	55.52	55.52	0.59
59	Azerbaijan	55.47	55.47	0.59
60	Mexico	55.03	55.03	0.58
61	Turkey	54.91	54.91	0.57
62	Albania	54.73	54.73	0.56
63	Sri Lanka	53.88	53.88	0.56
64	Uruguay	53.61	53.61	0.55
65	South Africa	53.51	53.51	0.54
66	Russian Federation	53.45	53.45	0.54
67	Moldova, Rep.	53.36	53.36	0.53
68	Dominican Republic	53.24	53.24	0.52
69	Fiji	53.08	53.08	0.51
70	Brazil	52.97	52.97	0.51
71	Thailand	52.83	52.83	0.50
72	Trinidad and Tobago	52.28	52.28	0.49
73	Morocco	51.89	51.89	0.49

Rank	Country/Economy	Value	Score (0–100)	Percent rank
74	Bahrain	51.83	51.83	0.48
75	Iran, Islamic Rep.	51.08	51.08	0.47
76	Kazakhstan	51.07	51.07	0.46
77	Colombia	50.77	50.77	0.46
78	Romania	50.52	50.52	0.45
79	Bolivia, Plurinational St.	50.48	50.48	0.44
80	TFYR of Macedonia	50.41	50.41	0.44
81	Nicaragua	50.32	50.32	0.43
82	Lebanon	50.15	50.15	0.42
83	Algeria	50.08	50.08	0.41
84	Argentina	49.55	49.55	0.41
85	Zimbabwe	49.54	49.54	0.40
86	Ukraine	49.01	49.01	0.39
87	Honduras	48.87	48.87	0.39
88	Guatemala	48.06	48.06	0.38
89	Oman	47.75	47.75	0.37
90	Botswana	47.60	47.60	0.36
91	Georgia	47.23	47.23	0.36
92	Bhutan	46.86	46.86	0.35
93	Bosnia and Herzegovina	45.79	45.79	0.34
94	Barbados	45.50	45.50	0.34
95	Peru	45.05	45.05	0.33
96	Mongolia	44.67	44.67	0.32
97	Indonesia	44.36	44.36	0.31
98	Cabo Verde	44.07	44.07	0.31
99	Philippines	44.02	44.02	0.30
100	El Salvador	43.79	43.79	0.29
101	Namibia	43.71	43.71	0.29
102	Uzbekistan	43.23	43.23	0.28
103	China	43.00	43.00	0.27
104	Zambia	41.72	41.72	0.26
105	Senegal	40.83	40.83	0.26
106	Kyrgyzstan	40.63	40.63	0.25
107	Burkina Faso	40.52	40.52	0.24
108	Malawi	40.06	40.06	0.24
109	Côte d'Ivoire	39.72	39.72	0.23
110	Ethiopia	39.43	39.43	0.22
111	Paraguay	39.25	39.25	0.21
112	Nigeria	39.20	39.20	0.21
113	Uganda	39.18	39.18	0.20
114	Viet Nam	38.17	38.17	0.19
115	Guyana	38.07	38.07	0.19
116	Swaziland	37.35	37.35	0.18
117	Nepal	37.00	37.00	0.17
118	Kenya	36.99	36.99	0.16
119	Cameroon	36.68	36.68	0.16
120	Niger	36.28	36.28	0.15
121	Tanzania, United Rep.	36.19	36.19	0.14
122	Cambodia	35.44	35.44	0.14
123	Rwanda	35.41	35.41	0.13
124	Pakistan	34.58	34.58	0.12
125	Benin	32.42	32.42	0.11
126	Ghana	32.07	32.07	0.11
127	Tajikistan	31.34	31.34	0.10
128	India	31.23	31.23	0.09
129	Yemen	30.16	30.16	0.09
130	Mozambique	29.97	29.97	0.08
131	Gambia	29.30	29.30	0.07
132	Angola	28.69	28.69	0.06
133	Guinea	28.03	28.03	0.06
134	Togo	27.91	27.91	0.05
135	Myanmar	27.44	27.44	0.04
136	Madagascar	26.70	26.70	0.04
137	Burundi	25.78	25.78	0.03
138	Bangladesh	25.61	25.61	0.02
139	Sudan	24.64	24.64	0.01
140	Lesotho	20.81	20.81	0.01
141	Mali	18.43	18.43	0.00
n/a	Hong Kong (China)	n/a	n/a	n/a
n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a

SOURCE: Yale University and Columbia University Environmental Performance Index 2014

NOTE: ● indicates a strength; ○ a weakness.

3.3.3 ISO 14001 environmental certificates

ISO 14001 Environmental management systems—Requirements with guidance for use: Number of certificates issued (per billion PPP\$ GDP) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Czech Republic	14.86	100.00	0.99	●	74	Kuwait	0.66	4.40	0.43	
1	Romania	31.80	100.00	0.99	●	75	Mauritius	0.65	4.32	0.42	
3	Spain	14.03	94.42	0.98	●	76	Iran, Islamic Rep.	0.61	4.06	0.41	
4	Bulgaria	13.58	91.41	0.98	●	77	Mexico	0.61	4.04	0.41	
5	Estonia	13.54	91.14	0.97	●	78	Azerbaijan	0.59	3.88	0.40	
6	Slovakia	10.93	73.53	0.96	●	79	Moldova, Rep.	0.58	3.86	0.39	
7	Italy	10.87	73.12	0.95	●	80	Mozambique	0.58	3.83	0.38	
8	Lithuania	10.57	71.13	0.95	●	81	Barbados	0.57	3.81	0.38	
9	Serbia	10.50	70.63	0.94	●	82	Zambia	0.51	3.35	0.37	
10	Sweden	10.09	67.86	0.93		83	Ukraine	0.50	3.31	0.36	
11	Croatia	9.80	65.92	0.92	●	84	Cabo Verde	0.46	3.06	0.35	
12	TFYR of Macedonia	9.43	63.46	0.91	●	85	Honduras	0.45	2.98	0.34	
13	Hungary	8.87	59.68	0.91	●	86	Russian Federation	0.44	2.89	0.34	
14	Denmark	8.43	56.71	0.90		87	Kenya	0.43	2.81	0.33	
15	Switzerland	7.69	51.75	0.89		88	Malawi	0.43	2.80	0.32	
16	China	7.47	50.24	0.88		89	Algeria	0.41	2.73	0.31	
17	Slovenia	7.34	49.36	0.88		90	Tanzania, United Rep.	0.41	2.70	0.30	
18	Korea, Rep.	7.19	48.32	0.87		91	Jamaica	0.41	2.67	0.30	
19	United Kingdom	6.87	46.18	0.86		92	Côte d'Ivoire	0.38	2.47	0.29	
20	Finland	6.75	45.38	0.85		93	Namibia	0.36	2.34	0.28	
21	Latvia	6.43	43.22	0.84		94	United States of America	0.35	2.30	0.27	○
22	Japan	6.07	40.81	0.84		95	Dominican Republic	0.32	2.08	0.27	
23	Bosnia and Herzegovina	5.51	37.06	0.83	●	96	Botswana	0.31	2.02	0.26	
24	Singapore	5.12	34.40	0.82		97	Niger	0.31	2.01	0.25	
25	Portugal	4.85	32.57	0.81		98	El Salvador	0.30	1.98	0.24	
26	Thailand	4.70	31.60	0.80		99	Paraguay	0.30	1.94	0.23	
27	Bahrain	4.27	28.68	0.80		100	Togo	0.29	1.90	0.23	
28	Malaysia	3.85	25.88	0.79		101	Panama	0.28	1.85	0.22	
29	France	3.56	23.93	0.78		102	Cambodia	0.27	1.78	0.21	
30	United Arab Emirates	3.45	23.15	0.77		103	Morocco	0.27	1.73	0.20	
31	Chile	3.41	22.88	0.77		104	Senegal	0.27	1.73	0.20	
32	Austria	3.06	20.51	0.76		105	Guinea	0.25	1.62	0.19	
33	Norway	3.01	20.18	0.75		106	Lebanon	0.24	1.55	0.18	○
34	Netherlands	3.00	20.12	0.74		107	Venezuela, Bolivarian Rep.	0.23	1.51	0.17	
35	Hong Kong (China)	2.90	19.46	0.73		108	Nicaragua	0.23	1.47	0.16	
36	Colombia	2.90	19.45	0.73		109	Cameroon	0.22	1.41	0.16	
37	Israel	2.72	18.24	0.72		110	Saudi Arabia	0.21	1.35	0.15	○
38	Poland	2.54	17.05	0.71		111	Armenia	0.21	1.32	0.14	○
39	Belgium	2.47	16.56	0.70		112	Ghana	0.21	1.32	0.13	
40	Greece	2.40	16.09	0.70		113	Belarus	0.20	1.28	0.13	○
41	Viet Nam	2.31	15.46	0.69		114	Guatemala	0.19	1.24	0.12	
42	Iceland	2.28	15.32	0.68		115	Guyana	0.16	1.03	0.11	
43	Ireland	2.23	14.98	0.67		116	Uganda	0.16	1.00	0.10	○
44	Germany	2.22	14.89	0.66		117	Georgia	0.15	0.96	0.09	○
45	Montenegro	2.22	14.86	0.66		118	Rwanda	0.13	0.83	0.09	○
46	Uruguay	2.18	14.63	0.65		119	Mongolia	0.13	0.83	0.08	○
47	Australia	2.08	13.95	0.64		120	Benin	0.13	0.80	0.07	
48	Malta	2.06	13.78	0.63		121	Burkina Faso	0.12	0.76	0.06	○
49	Argentina	1.72	11.55	0.63		122	Nigeria	0.10	0.60	0.05	○
50	New Zealand	1.67	11.15	0.62		123	Madagascar	0.09	0.57	0.05	○
51	South Africa	1.63	10.90	0.61		124	Mali	0.06	0.32	0.04	
52	Turkey	1.47	9.80	0.60		125	Myanmar	0.05	0.27	0.03	
53	Brazil	1.42	9.47	0.59		126	Sudan	0.05	0.25	0.02	○
54	Zimbabwe	1.40	9.33	0.59	●	127	Angola	0.03	0.16	0.02	○
55	Costa Rica	1.38	9.25	0.58		128	Yemen (2010)	0.02	0.05	0.01	○
56	Cyprus	1.37	9.16	0.57		129	Ethiopia	0.01	0.00	0.00	○
57	Philippines	1.34	8.96	0.56		n/a	Bangladesh	n/a	n/a	n/a	
58	Luxembourg	1.22	8.14	0.55		n/a	Bhutan	n/a	n/a	n/a	
59	Canada	1.21	8.06	0.55	○	n/a	Burundi	n/a	n/a	n/a	
60	Swaziland	1.13	7.57	0.54		n/a	Gambia	n/a	n/a	n/a	
61	Egypt	1.11	7.41	0.53		n/a	India	n/a	n/a	n/a	
62	Brunei Darussalam	1.11	7.41	0.52		n/a	Kazakhstan	n/a	n/a	n/a	
63	Jordan	1.10	7.33	0.52		n/a	Kyrgyzstan	n/a	n/a	n/a	
64	Ecuador	1.01	6.74	0.51		n/a	Lesotho	n/a	n/a	n/a	
65	Peru	0.91	6.09	0.50		n/a	Nepal	n/a	n/a	n/a	
66	Indonesia	0.86	5.73	0.49		n/a	Pakistan	n/a	n/a	n/a	
67	Qatar	0.83	5.53	0.48		n/a	Seychelles	n/a	n/a	n/a	
68	Bolivia, Plurinational St.	0.81	5.36	0.48		n/a	Sri Lanka	n/a	n/a	n/a	
69	Tunisia	0.77	5.12	0.47		n/a	Tajikistan	n/a	n/a	n/a	
70	Albania	0.73	4.87	0.46		n/a	Uzbekistan	n/a	n/a	n/a	
71	Oman	0.73	4.85	0.45							
72	Fiji	0.70	4.68	0.45							
73	Trinidad and Tobago	0.68	4.54	0.44							

SOURCE: International Organization for Standardization, *The ISO Survey of Certifications*, 2012; International Monetary Fund *World Economic Outlook* 2013 (2010–12)

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Malaysia	100.00	100.00	0.99	●	69	Colombia	62.50	62.50	0.44	
1	United Kingdom	100.00	100.00	0.99	●	69	Netherlands	62.50	62.50	0.44	○
3	Australia	93.75	93.75	0.92		69	Norway	62.50	62.50	0.44	○
3	Georgia	93.75	93.75	0.92	●	69	Pakistan	62.50	62.50	0.44	
3	Hong Kong (China)	93.75	93.75	0.92		69	Sri Lanka	62.50	62.50	0.44	
3	Latvia	93.75	93.75	0.92	●	69	Thailand	62.50	62.50	0.44	
3	Montenegro	93.75	93.75	0.92	●	69	Uruguay	62.50	62.50	0.44	
3	New Zealand	93.75	93.75	0.92		81	Bangladesh	56.25	56.25	0.34	
3	Poland	93.75	93.75	0.92	●	81	Barbados	56.25	56.25	0.34	
3	Singapore	93.75	93.75	0.92		81	Costa Rica	56.25	56.25	0.34	
3	TFYR of Macedonia	93.75	93.75	0.92	●	81	Dominican Republic	56.25	56.25	0.34	
3	United States of America	93.75	93.75	0.92		81	Ecuador	56.25	56.25	0.34	
13	Albania	87.50	87.50	0.82	●	81	Egypt	56.25	56.25	0.34	
13	Guatemala	87.50	87.50	0.82	●	81	Greece	56.25	56.25	0.34	
13	Honduras	87.50	87.50	0.82	●	81	Indonesia	56.25	56.25	0.34	
13	Ireland	87.50	87.50	0.82		81	Iran, Islamic Rep.	56.25	56.25	0.34	
13	Israel	87.50	87.50	0.82		81	Kazakhstan	56.25	56.25	0.34	
13	Kenya	87.50	87.50	0.82	●	81	Oman	56.25	56.25	0.34	
13	Korea, Rep.	87.50	87.50	0.82		81	Paraguay	56.25	56.25	0.34	
13	Kyrgyzstan	87.50	87.50	0.82	●	81	Philippines	56.25	56.25	0.34	
13	Moldova, Rep.	87.50	87.50	0.82		81	Turkey	56.25	56.25	0.34	
13	Nigeria	87.50	87.50	0.82	●	81	United Arab Emirates	56.25	56.25	0.34	
13	Romania	87.50	87.50	0.82	●	96	Belarus	50.00	50.00	0.23	
13	Rwanda	87.50	87.50	0.82	●	96	Bhutan	50.00	50.00	0.23	
13	Ukraine	87.50	87.50	0.82	●	96	Brazil	50.00	50.00	0.23	
13	Zambia	87.50	87.50	0.82	●	96	Cabo Verde	50.00	50.00	0.23	
27	Austria	81.25	81.25	0.73		96	Cameroon	50.00	50.00	0.23	
27	Bulgaria	81.25	81.25	0.73		96	Ethiopia	50.00	50.00	0.23	
27	Canada	81.25	81.25	0.73		96	Italy	50.00	50.00	0.23	○
27	Denmark	81.25	81.25	0.73		96	Jamaica	50.00	50.00	0.23	
27	Germany	81.25	81.25	0.73		96	Lebanon	50.00	50.00	0.23	
27	Ghana	81.25	81.25	0.73	●	96	Morocco	50.00	50.00	0.23	
27	India	81.25	81.25	0.73		96	Nicaragua	50.00	50.00	0.23	
27	Japan	81.25	81.25	0.73		96	Portugal	50.00	50.00	0.23	○
27	Lithuania	81.25	81.25	0.73		96	Russian Federation	50.00	50.00	0.23	○
27	Peru	81.25	81.25	0.73	●	96	Slovenia	50.00	50.00	0.23	○
27	South Africa	81.25	81.25	0.73		96	Tunisia	50.00	50.00	0.23	
27	Switzerland	81.25	81.25	0.73		96	Zimbabwe	50.00	50.00	0.23	
27	Trinidad and Tobago	81.25	81.25	0.73	●	112	Algeria	43.75	43.75	0.10	
40	Armenia	75.00	75.00	0.64		112	Angola	43.75	43.75	0.10	
40	Cambodia	75.00	75.00	0.64	●	112	Bahrain	43.75	43.75	0.10	○
40	Croatia	75.00	75.00	0.64		112	Benin	43.75	43.75	0.10	
40	Estonia	75.00	75.00	0.64		112	Bolivia, Plurinational St.	43.75	43.75	0.10	○
40	Finland	75.00	75.00	0.64		112	Burkina Faso	43.75	43.75	0.10	
40	Iceland	75.00	75.00	0.64		112	Côte d'Ivoire	43.75	43.75	0.10	
40	Mauritius	75.00	75.00	0.64		112	Kuwait	43.75	43.75	0.10	○
40	Mexico	75.00	75.00	0.64		112	Malawi	43.75	43.75	0.10	
40	Serbia	75.00	75.00	0.64		112	Mali	43.75	43.75	0.10	
40	Slovakia	75.00	75.00	0.64		112	Mozambique	43.75	43.75	0.10	
40	Sweden	75.00	75.00	0.64		112	Niger	43.75	43.75	0.10	
40	Uganda	75.00	75.00	0.64	●	112	Qatar	43.75	43.75	0.10	○
40	Viet Nam	75.00	75.00	0.64		112	Senegal	43.75	43.75	0.10	○
53	Azerbaijan	68.75	68.75	0.53		112	Tanzania, United Rep.	43.75	43.75	0.10	
53	Brunei Darussalam	68.75	68.75	0.53		112	Togo	43.75	43.75	0.10	
53	Chile	68.75	68.75	0.53		112	Uzbekistan	43.75	43.75	0.10	
53	Cyprus	68.75	68.75	0.53		112	Venezuela, Bolivarian Rep.	43.75	43.75	0.10	
53	Czech Republic	68.75	68.75	0.53		130	Guinea	37.50	37.50	0.08	
53	El Salvador	68.75	68.75	0.53		130	Lesotho	37.50	37.50	0.08	○
53	Fiji	68.75	68.75	0.53		130	Tajikistan	37.50	37.50	0.08	
53	France	68.75	68.75	0.53		133	Gambia	31.25	31.25	0.07	○
53	Hungary	68.75	68.75	0.53		134	Burundi	25.00	25.00	0.01	○
53	Mongolia	68.75	68.75	0.53		134	Guyana	25.00	25.00	0.01	○
53	Namibia	68.75	68.75	0.53		134	Jordan	25.00	25.00	0.01	○
53	Nepal	68.75	68.75	0.53	●	134	Luxembourg	25.00	25.00	0.01	○
53	Panama	68.75	68.75	0.53		134	Myanmar	25.00	25.00	0.01	
53	Saudi Arabia	68.75	68.75	0.53		134	Seychelles	25.00	25.00	0.01	○
53	Spain	68.75	68.75	0.53		134	Sudan	25.00	25.00	0.01	○
53	Swaziland	68.75	68.75	0.53		134	Yemen	25.00	25.00	0.01	○
69	Argentina	62.50	62.50	0.44		142	Madagascar	18.75	18.75	0.00	○
69	Belgium	62.50	62.50	0.44	○	142	Malta	18.75	18.75	0.00	○
69	Bosnia and Herzegovina	62.50	62.50	0.44							
69	Botswana	62.50	62.50	0.44							
69	China	62.50	62.50	0.44							

SOURCE: World Bank, Ease of Doing Business Index 2014, *Doing Business 2014*

NOTE: ● indicates a strength; ○ a weakness.

4.1.2 Domestic credit to private sector

Domestic credit to private sector (% of GDP) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Cyprus	302.25	100.00	1.00	●	74	Slovakia (2008)	44.99	13.57	0.48	
2	Denmark	205.79	67.60	0.99	●	75	Romania	44.97	13.56	0.48	
3	Netherlands	200.24	65.73	0.99	●	76	Zimbabwe (2006)	44.48	13.40	0.47	
4	Hong Kong (China)	198.07	65.00	0.98		77	Bolivia, Plurinational St.	44.22	13.31	0.46	
5	United States of America	192.42	63.10	0.97		78	Armenia	42.93	12.88	0.45	
6	Spain	188.83	61.89	0.96	●	79	Paraguay	41.32	12.34	0.45	
7	Ireland	186.12	60.99	0.96	●	80	Oman	41.20	12.30	0.44	
8	Portugal	184.16	60.33	0.95	●	81	Guyana	41.00	12.23	0.43	
9	United Kingdom	178.72	58.50	0.94		82	El Salvador	40.12	11.93	0.43	
10	Japan	176.72	57.83	0.94		83	Cambodia	38.72	11.46	0.42	
11	Switzerland	176.14	57.63	0.93		84	Albania	38.35	11.34	0.41	
12	Luxembourg	165.38	54.02	0.92		85	Moldova, Rep.	38.06	11.24	0.40	
13	South Africa	151.07	49.21	0.91	●	86	Saudi Arabia	37.61	11.09	0.40	
14	New Zealand (2010)	149.03	48.53	0.91		87	Kazakhstan	37.24	10.97	0.39	
15	Korea, Rep.	147.97	48.17	0.90		88	Kenya	36.59	10.75	0.38	
16	Thailand	147.61	48.05	0.89	●	89	Qatar	36.05	10.57	0.38	
17	Sweden	138.47	44.98	0.89		90	Indonesia	34.90	10.18	0.37	
18	China	131.60	42.67	0.88		91	Georgia	34.47	10.04	0.36	
19	Canada (2008)	128.25	41.54	0.87		92	Philippines	33.40	9.68	0.35	
20	Malta	127.90	41.42	0.87		93	Botswana	31.96	9.19	0.35	
21	Italy	124.49	40.28	0.86	●	94	Guatemala	31.76	9.13	0.34	
22	Australia	123.32	39.89	0.85		95	Brunei Darussalam	31.45	9.02	0.33	
23	Greece	120.71	39.01	0.84	●	96	Sri Lanka	31.07	8.89	0.33	
24	Singapore	120.57	38.96	0.84		97	Togo	30.91	8.84	0.32	
25	Malaysia	118.23	38.18	0.83		98	Trinidad and Tobago	30.65	8.75	0.31	
26	Austria	116.98	37.76	0.82		99	Egypt	29.74	8.45	0.30	
27	France	115.96	37.41	0.82		100	Senegal	29.61	8.40	0.30	
28	Viet Nam	104.30	33.50	0.81	●	101	Jamaica	28.85	8.15	0.29	
29	Germany	101.94	32.70	0.80		102	Ecuador (2011)	28.31	7.96	0.28	
30	Mauritius	100.72	32.29	0.79		103	Mexico	27.69	7.76	0.28	
31	Finland	98.24	31.46	0.79		104	Peru	27.28	7.62	0.27	
32	Iceland	96.78	30.97	0.78		105	Nicaragua	26.91	7.49	0.26	
33	Lebanon	92.20	29.43	0.77	●	106	Seychelles	25.32	6.96	0.26	
34	Belgium	92.17	29.42	0.77		107	Mozambique	25.28	6.95	0.25	
35	Panama	89.61	28.56	0.76		108	Venezuela, Bolivarian Rep.	25.26	6.94	0.24	
36	Israel (2011)	89.46	28.51	0.75		109	Swaziland	25.04	6.87	0.23	
37	Slovenia	87.42	27.82	0.74		110	Uruguay	24.09	6.55	0.23	
38	Norway (2006)	86.19	27.41	0.74		111	Benin	23.96	6.50	0.22	
39	Barbados (2009)	80.57	25.52	0.73		112	Angola	23.52	6.36	0.21	
40	Estonia	79.26	25.08	0.72		113	Dominican Republic	23.14	6.23	0.21	
41	Fiji	78.41	24.80	0.72	●	114	Belarus	22.61	6.05	0.20	
42	Tunisia	75.18	23.71	0.71	●	115	Burkina Faso	22.14	5.89	0.19	
43	Morocco	73.34	23.10	0.70	●	116	Mali	20.89	5.47	0.18	
44	Chile	73.28	23.07	0.70		117	Nigeria	20.84	5.46	0.18	
45	Jordan	72.36	22.77	0.69		118	Malawi	20.61	5.38	0.17	
46	Bulgaria	71.87	22.60	0.68		119	Azerbaijan	20.09	5.20	0.16	
47	Bahrain	70.03	21.98	0.67		120	Burundi	19.47	5.00	0.16	
48	Brazil	68.37	21.43	0.67		121	Lesotho	18.80	4.77	0.15	
49	Croatia	67.99	21.30	0.66		122	Argentina	18.54	4.68	0.14	○
50	Latvia	67.75	21.21	0.65		123	Côte d'Ivoire	18.29	4.60	0.13	
51	Bosnia and Herzegovina	62.34	19.40	0.65		124	Tanzania, United Rep.	17.86	4.45	0.13	
52	Ukraine	62.04	19.30	0.64		125	Ethiopia (2008)	17.85	4.45	0.12	
53	Kuwait (2011)	61.71	19.19	0.63		126	Pakistan	16.44	3.98	0.11	
54	Cabo Verde	59.39	18.41	0.62	●	127	Uganda	16.32	3.94	0.11	
55	United Arab Emirates	59.07	18.30	0.62		128	Ghana	16.12	3.87	0.10	
56	Czech Republic	56.91	17.57	0.61		129	Gambia	15.55	3.68	0.09	
57	Hungary	56.36	17.39	0.60		130	Kyrgyzstan (2007)	15.05	3.51	0.09	
58	Nepal	55.06	16.95	0.60	●	131	Cameroon	14.98	3.49	0.08	○
59	Turkey	54.40	16.73	0.59		132	Niger	14.91	3.46	0.07	
60	Serbia	53.91	16.57	0.58		133	Zambia	14.76	3.41	0.06	○
61	Poland	53.78	16.52	0.57		134	Algeria	14.29	3.26	0.06	
62	Montenegro	52.70	16.16	0.57		135	Tajikistan	12.96	2.81	0.05	○
63	Mongolia	52.32	16.03	0.56		136	Iran, Islamic Rep. (2011)	12.85	2.77	0.04	○
64	Honduras	51.85	15.87	0.55	●	137	Sudan	12.84	2.77	0.04	
65	India	51.49	15.75	0.55		138	Rwanda (2005)	11.21	2.22	0.03	○
66	Lithuania	51.30	15.69	0.54		139	Madagascar	10.95	2.13	0.02	○
67	Bangladesh	49.60	15.12	0.53		140	Guinea (2011)	9.13	1.52	0.01	○
68	Costa Rica	49.10	14.95	0.52		141	Myanmar (2004)	4.74	0.05	0.01	
69	Colombia	48.91	14.89	0.52		142	Yemen	4.60	0.00	0.00	○
70	Russian Federation	48.53	14.76	0.51		n/a	Uzbekistan	n/a	n/a	n/a	
71	Namibia	48.42	14.72	0.50		SOURCE: International Monetary Fund (with World Bank and OECD GDP estimates), extracted from World Bank <i>World Development Indicators</i> database					
72	TFYR of Macedonia	47.55	14.43	0.50		NOTE: ● indicates a strength; ○ a weakness.					
73	Bhutan	47.45	14.40	0.49							

4.1.3

Microfinance institutions' gross loan portfolio

Microfinance institutions: Gross loan portfolio (% of GDP) | 2012

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Bolivia, Plurinational St.	13.73	100.00	0.96	●	74	Brazil	0.07	0.93	0.19	
1	Cambodia	15.31	100.00	0.96	●	75	Mali	0.06	0.79	0.18	
1	Gambia	14.31	100.00	0.96	●	76	Poland	0.05	0.66	0.17	○
1	Mongolia	17.27	100.00	0.96	●	77	Egypt	0.05	0.61	0.16	
1	Tajikistan	7.98	100.00	0.96	●	78	Venezuela, Bolivarian Rep. (2011)	0.05	0.60	0.14	
6	Bhutan	6.25	78.30	0.94	●	79	Bulgaria	0.03	0.35	0.13	○
7	Kyrgyzstan	5.94	74.34	0.93	●	80	Zambia	0.02	0.27	0.12	
8	Togo	5.75	72.00	0.92	●	81	Namibia (2011)	0.02	0.27	0.11	○
9	Peru	5.00	62.64	0.91	●	82	Fiji	0.02	0.20	0.10	○
10	Paraguay	4.87	61.03	0.90	●	83	Uruguay (2011)	0.02	0.19	0.09	○
11	Georgia	4.72	59.18	0.89	●	84	Russian Federation	0.02	0.19	0.08	○
12	Kenya	4.56	57.07	0.88	●	85	Angola (2011)	0.01	0.15	0.07	
13	Armenia	4.04	50.63	0.87	●	86	Yemen	0.01	0.15	0.06	
14	Viet Nam	3.78	47.36	0.86	●	87	Argentina	0.01	0.12	0.04	○
15	Azerbaijan	3.70	46.38	0.84	●	88	Turkey	0.00	0.03	0.03	○
16	Ecuador	3.31	41.46	0.83	●	89	Croatia (2010)	0.00	0.01	0.02	○
17	Bosnia and Herzegovina	3.09	38.64	0.82	●	90	Hungary (2007)	0.00	0.01	0.01	○
18	Senegal	2.94	36.88	0.81	●	91	Thailand (2011)	0.00	0.00	0.00	○
19	TFYR of Macedonia	2.92	36.53	0.80	●	n/a	Algeria	n/a	n/a	n/a	
20	Nicaragua	2.71	33.92	0.79	●	n/a	Australia	n/a	n/a	n/a	
21	Albania	2.54	31.85	0.78	●	n/a	Austria	n/a	n/a	n/a	
22	Moldova, Rep.	2.40	30.02	0.77		n/a	Bahrain	n/a	n/a	n/a	
23	Benin	2.32	29.03	0.76	●	n/a	Barbados	n/a	n/a	n/a	
24	Bangladesh	2.18	27.35	0.74	●	n/a	Belarus	n/a	n/a	n/a	
25	Honduras	2.00	25.00	0.73	●	n/a	Belgium	n/a	n/a	n/a	
26	Colombia	1.83	22.89	0.72		n/a	Botswana	n/a	n/a	n/a	
27	Serbia	1.83	22.86	0.71		n/a	Brunei Darussalam	n/a	n/a	n/a	
28	El Salvador	1.79	22.42	0.70	●	n/a	Cabo Verde	n/a	n/a	n/a	
29	Burkina Faso	1.71	21.41	0.69	●	n/a	Canada	n/a	n/a	n/a	
30	Swaziland (2011)	1.65	20.72	0.68	●	n/a	Cyprus	n/a	n/a	n/a	
31	Ethiopia	1.31	16.40	0.67	●	n/a	Czech Republic	n/a	n/a	n/a	
32	Burundi	1.26	15.73	0.66		n/a	Denmark	n/a	n/a	n/a	
33	Rwanda	1.25	15.64	0.64		n/a	Estonia	n/a	n/a	n/a	
34	Indonesia	1.25	15.62	0.63		n/a	Finland	n/a	n/a	n/a	
35	Dominican Republic	1.13	14.19	0.62	●	n/a	France	n/a	n/a	n/a	
36	Sri Lanka	1.06	13.31	0.61	●	n/a	Germany	n/a	n/a	n/a	
37	Uganda	0.99	12.39	0.60		n/a	Greece	n/a	n/a	n/a	
38	Panama	0.93	11.60	0.59		n/a	Hong Kong (China)	n/a	n/a	n/a	
39	South Africa	0.89	11.15	0.58		n/a	Iceland	n/a	n/a	n/a	
40	Uzbekistan	0.87	10.90	0.57	●	n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
41	Cameroon	0.86	10.82	0.56	●	n/a	Ireland	n/a	n/a	n/a	
42	Nepal	0.80	10.08	0.54	●	n/a	Israel	n/a	n/a	n/a	
43	Jordan	0.73	9.10	0.53		n/a	Italy	n/a	n/a	n/a	
44	Chile	0.70	8.82	0.52		n/a	Japan	n/a	n/a	n/a	
45	Madagascar	0.67	8.34	0.51		n/a	Korea, Rep.	n/a	n/a	n/a	
46	Jamaica	0.66	8.31	0.50		n/a	Kuwait	n/a	n/a	n/a	
47	Montenegro	0.65	8.19	0.49		n/a	Latvia	n/a	n/a	n/a	
48	Morocco	0.53	6.64	0.48		n/a	Lesotho	n/a	n/a	n/a	
49	Nigeria	0.44	5.47	0.47		n/a	Lithuania	n/a	n/a	n/a	
50	Guatemala	0.42	5.23	0.46		n/a	Luxembourg	n/a	n/a	n/a	
51	Tanzania, United Rep.	0.42	5.22	0.44		n/a	Malta	n/a	n/a	n/a	
52	Guyana	0.39	4.82	0.43		n/a	Mauritius	n/a	n/a	n/a	
53	Malawi	0.33	4.07	0.42		n/a	Myanmar	n/a	n/a	n/a	
54	Mexico	0.32	4.06	0.41		n/a	Netherlands	n/a	n/a	n/a	
55	India	0.24	3.05	0.40		n/a	New Zealand	n/a	n/a	n/a	
56	Philippines	0.24	3.00	0.39		n/a	Norway	n/a	n/a	n/a	
57	Guinea	0.21	2.65	0.38	●	n/a	Oman	n/a	n/a	n/a	
58	Zimbabwe	0.20	2.45	0.37		n/a	Portugal	n/a	n/a	n/a	
59	Romania	0.19	2.40	0.36		n/a	Qatar	n/a	n/a	n/a	
60	Tunisia	0.19	2.38	0.34		n/a	Saudi Arabia	n/a	n/a	n/a	
61	Côte d'Ivoire	0.18	2.31	0.33		n/a	Seychelles	n/a	n/a	n/a	
62	China	0.18	2.28	0.32		n/a	Singapore	n/a	n/a	n/a	
63	Kazakhstan	0.18	2.25	0.31		n/a	Slovakia	n/a	n/a	n/a	
64	Costa Rica	0.14	1.81	0.30		n/a	Slovenia	n/a	n/a	n/a	
65	Ghana	0.13	1.66	0.29		n/a	Spain	n/a	n/a	n/a	
66	Malaysia (2011)	0.13	1.65	0.28	○	n/a	Sweden	n/a	n/a	n/a	
67	Ukraine	0.12	1.47	0.27		n/a	Switzerland	n/a	n/a	n/a	
68	Lebanon	0.11	1.40	0.26		n/a	United Arab Emirates	n/a	n/a	n/a	
69	Pakistan	0.11	1.31	0.24		n/a	United Kingdom	n/a	n/a	n/a	
70	Sudan (2011)	0.10	1.26	0.23		n/a	United States of America	n/a	n/a	n/a	
71	Mozambique	0.09	1.14	0.22							
72	Niger	0.09	1.11	0.21							
73	Trinidad and Tobago	0.08	0.94	0.20							

SOURCE: Microfinance Information Exchange, *Mix Market database*; International Monetary Fund *World Economic Outlook 2013 database* (current US\$ GDP)

NOTE: ● indicates a strength; ○ a weakness.

4.2.1 Ease of protecting investors

Ease of protecting investors (distance to frontier) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	New Zealand	96.67	96.67	1.00	●	66	Malawi	53.33	53.33	0.44	
2	Singapore	93.33	93.33	0.99	●	66	Moldova, Rep.	53.33	53.33	0.44	
3	Hong Kong (China)	90.00	90.00	0.99	●	66	Namibia	53.33	53.33	0.44	
4	Canada	86.67	86.67	0.97	●	66	Nepal	53.33	53.33	0.44	
4	Malaysia	86.67	86.67	0.97	●	66	Panama	53.33	53.33	0.44	
6	Colombia	83.33	83.33	0.94	●	66	Serbia	53.33	53.33	0.44	
6	Ireland	83.33	83.33	0.94		66	Zambia	53.33	53.33	0.44	
6	Israel	83.33	83.33	0.94	●	81	Algeria	50.00	50.00	0.33	
6	United States of America	83.33	83.33	0.94		81	Argentina	50.00	50.00	0.33	
10	South Africa	80.00	80.00	0.93	●	81	Austria	50.00	50.00	0.33	○
10	United Kingdom	80.00	80.00	0.93		81	Belarus	50.00	50.00	0.33	
12	Mauritius	76.67	76.67	0.92	●	81	China	50.00	50.00	0.33	
12	Thailand	76.67	76.67	0.92	●	81	Czech Republic	50.00	50.00	0.33	○
14	Albania	73.33	73.33	0.90	●	81	Dominican Republic	50.00	50.00	0.33	
14	Slovenia	73.33	73.33	0.90		81	Germany	50.00	50.00	0.33	○
16	Belgium	70.00	70.00	0.87		81	Kenya	50.00	50.00	0.33	
16	Georgia	70.00	70.00	0.87	●	81	Lebanon	50.00	50.00	0.33	
16	Japan	70.00	70.00	0.87		81	Lesotho	50.00	50.00	0.33	
16	Peru	70.00	70.00	0.87	●	81	Oman	50.00	50.00	0.33	
16	TFYR of Macedonia	70.00	70.00	0.87	●	81	Spain	50.00	50.00	0.33	○
21	Armenia	66.67	66.67	0.79	●	81	Tanzania, United Rep.	50.00	50.00	0.33	
21	Azerbaijan	66.67	66.67	0.79	●	81	United Arab Emirates	50.00	50.00	0.33	○
21	Bangladesh	66.67	66.67	0.79	●	81	Uruguay	50.00	50.00	0.33	
21	Kazakhstan	66.67	66.67	0.79	●	97	Bahrain	46.67	46.67	0.27	
21	Kyrgyzstan	66.67	66.67	0.79	●	97	Bosnia and Herzegovina	46.67	46.67	0.27	
21	Mongolia	66.67	66.67	0.79		97	Brunei Darussalam	46.67	46.67	0.27	
21	Norway	66.67	66.67	0.79		97	Morocco	46.67	46.67	0.27	
21	Rwanda	66.67	66.67	0.79	●	97	Netherlands	46.67	46.67	0.27	○
21	Saudi Arabia	66.67	66.67	0.79		97	Russian Federation	46.67	46.67	0.27	
21	Tajikistan	66.67	66.67	0.79	●	97	Slovakia	46.67	46.67	0.27	○
21	Trinidad and Tobago	66.67	66.67	0.79	●	97	Uganda	46.67	46.67	0.27	
32	Burundi	63.33	63.33	0.72	●	105	Cameroon	43.33	43.33	0.22	
32	Chile	63.33	63.33	0.72		105	Hungary	43.33	43.33	0.22	○
32	Cyprus	63.33	63.33	0.72		105	Luxembourg	43.33	43.33	0.22	○
32	Denmark	63.33	63.33	0.72		105	Philippines	43.33	43.33	0.22	
32	Ghana	63.33	63.33	0.72	●	105	Qatar	43.33	43.33	0.22	
32	India	63.33	63.33	0.72		105	Swaziland	43.33	43.33	0.22	
32	Montenegro	63.33	63.33	0.72		105	Ukraine	43.33	43.33	0.22	
32	Pakistan	63.33	63.33	0.72	●	105	Zimbabwe	43.33	43.33	0.22	
32	Sweden	63.33	63.33	0.72		113	Bolivia, Plurinational St.	40.00	40.00	0.18	
32	Turkey	63.33	63.33	0.72		113	Cabo Verde	40.00	40.00	0.18	
42	Botswana	60.00	60.00	0.63		113	Ecuador	40.00	40.00	0.18	
42	Bulgaria	60.00	60.00	0.63		113	Nicaragua	40.00	40.00	0.18	
42	Fiji	60.00	60.00	0.63		113	Uzbekistan	40.00	40.00	0.18	
42	Iceland	60.00	60.00	0.63		113	Yemen	40.00	40.00	0.18	
42	Indonesia	60.00	60.00	0.63		119	Bhutan	36.67	36.67	0.13	
42	Italy	60.00	60.00	0.63		119	Burkina Faso	36.67	36.67	0.13	
42	Korea, Rep.	60.00	60.00	0.63		119	Egypt	36.67	36.67	0.13	
42	Mozambique	60.00	60.00	0.63	●	119	Iran, Islamic Rep.	36.67	36.67	0.13	
42	Poland	60.00	60.00	0.63		119	Mali	36.67	36.67	0.13	
42	Portugal	60.00	60.00	0.63		119	Togo	36.67	36.67	0.13	
42	Romania	60.00	60.00	0.63		125	Benin	33.33	33.33	0.08	
42	Sri Lanka	60.00	60.00	0.63	●	125	Côte d'Ivoire	33.33	33.33	0.08	○
42	Tunisia	60.00	60.00	0.63		125	Croatia	33.33	33.33	0.08	○
55	Australia	56.67	56.67	0.55	○	125	Ethiopia	33.33	33.33	0.08	
55	Estonia	56.67	56.67	0.55		125	Guatemala	33.33	33.33	0.08	○
55	Finland	56.67	56.67	0.55	○	125	Niger	33.33	33.33	0.08	
55	Latvia	56.67	56.67	0.55		125	Sudan	33.33	33.33	0.08	
55	Lithuania	56.67	56.67	0.55		125	Viet Nam	33.33	33.33	0.08	○
55	Madagascar	56.67	56.67	0.55		133	Barbados	30.00	30.00	0.03	○
55	Malta	56.67	56.67	0.55		133	Costa Rica	30.00	30.00	0.03	○
55	Mexico	56.67	56.67	0.55		133	El Salvador	30.00	30.00	0.03	○
55	Nigeria	56.67	56.67	0.55	●	133	Honduras	30.00	30.00	0.03	○
55	Paraguay	56.67	56.67	0.55		133	Jordan	30.00	30.00	0.03	○
55	Seychelles	56.67	56.67	0.55		133	Senegal	30.00	30.00	0.03	○
66	Angola	53.33	53.33	0.44	●	133	Switzerland	30.00	30.00	0.03	○
66	Brazil	53.33	53.33	0.44		140	Gambia	26.67	26.67	0.01	○
66	Cambodia	53.33	53.33	0.44		140	Guinea	26.67	26.67	0.01	○
66	France	53.33	53.33	0.44	○	142	Myanmar	23.33	23.33	0.00	○
66	Greece	53.33	53.33	0.44		142	Venezuela, Bolivarian Rep.	23.33	23.33	0.00	○
66	Guyana	53.33	53.33	0.44							
66	Jamaica	53.33	53.33	0.44							
66	Kuwait	53.33	53.33	0.44							

SOURCE: World Bank, Ease of Doing Business Index 2014, *Doing Business 2014*

NOTE: ● indicates a strength; ○ a weakness.

4.2.2 Market capitalization

Market capitalization of listed companies (% of GDP) | 2012

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	420.93	100.00	0.99	●	74	Czech Republic	18.99	10.94	0.32	○
1	Switzerland	170.68	100.00	0.99	●	75	Pakistan	18.89	10.88	0.31	
3	South Africa	159.33	93.33	0.98	●	76	Greece	17.90	10.30	0.30	
4	Malaysia	156.94	91.93	0.97	●	77	Malawi	17.67	10.17	0.29	
5	Singapore	150.75	88.30	0.96		78	Hungary	16.80	9.65	0.28	○
6	Barbados (2011)	124.05	72.62	0.95	●	79	Bolivia, Plurinational St.	16.44	9.44	0.27	
7	United Kingdom	123.99	72.59	0.94		80	Bangladesh	15.12	8.67	0.26	
8	Luxembourg	123.15	72.09	0.93		81	Zambia	14.53	8.32	0.25	
9	United States of America	119.02	69.67	0.93		82	Slovenia	14.24	8.15	0.24	○
10	Chile	116.78	68.35	0.92	●	83	Bulgaria	13.06	7.46	0.23	○
11	Canada	110.69	64.78	0.91		84	Mongolia	12.59	7.18	0.22	
12	Zimbabwe	109.27	63.94	0.90	●	85	Ukraine	11.75	6.69	0.21	
13	Sweden	106.62	62.39	0.89		86	Fiji	11.66	6.63	0.21	
14	Philippines	105.55	61.76	0.88	●	87	Kazakhstan	11.65	6.63	0.20	
15	Thailand	104.77	61.30	0.87		88	Estonia	10.67	6.05	0.19	○
16	Korea, Rep.	104.50	61.15	0.86		89	Namibia	10.19	5.77	0.18	
17	Montenegro	90.43	52.88	0.85	●	90	Romania	9.40	5.31	0.17	○
18	Bahrain (2010)	89.03	52.06	0.84	●	91	Lithuania	9.38	5.30	0.16	○
19	Jordan	86.41	50.52	0.83	●	92	Cyprus	8.68	4.89	0.15	○
20	Australia	84.60	49.46	0.82		93	Ghana	8.51	4.79	0.14	
21	Netherlands	84.30	49.29	0.81		94	Argentina	7.21	4.02	0.13	○
22	Spain	73.75	43.09	0.80		95	Ecuador	6.99	3.90	0.12	
23	Qatar (2011)	72.50	42.36	0.79		96	Swaziland (2007)	6.65	3.69	0.11	
24	Denmark	71.56	41.80	0.79		97	Venezuela, Bolivarian Rep.	6.62	3.67	0.10	
25	Colombia	70.87	41.40	0.78	●	98	Tanzania, United Rep.	6.38	3.54	0.09	
26	France	69.78	40.76	0.77		99	Georgia	5.96	3.29	0.08	○
27	India	68.60	40.06	0.76	●	100	TFYR of Macedonia	5.79	3.19	0.07	○
28	Mauritius	67.60	39.48	0.75		101	Slovakia	5.03	2.74	0.07	○
29	Finland	63.47	37.05	0.74		102	Costa Rica	4.46	2.41	0.06	○
30	Trinidad and Tobago	63.23	36.91	0.73	●	103	Uzbekistan (2006)	4.20	2.26	0.05	○
31	Belgium	62.03	36.21	0.72		104	Latvia	3.93	2.10	0.04	○
32	Japan	61.76	36.05	0.71		105	Paraguay	3.77	2.01	0.03	○
33	Israel (2011)	59.68	34.83	0.70		106	Kyrgyzstan	2.55	1.29	0.02	○
34	Saudi Arabia (2011)	58.75	34.28	0.69		107	Armenia	1.33	0.57	0.01	○
35	Kuwait (2011)	57.12	33.33	0.68		108	Uruguay	0.36	0.00	0.00	○
36	Brazil	54.60	31.84	0.67		n/a	Albania	n/a	n/a	n/a	
37	Morocco	54.41	31.74	0.66		n/a	Algeria	n/a	n/a	n/a	
38	Ireland	51.83	30.22	0.65		n/a	Angola	n/a	n/a	n/a	
39	New Zealand (2010)	51.39	29.97	0.64		n/a	Azerbaijan	n/a	n/a	n/a	
40	Norway	50.62	29.51	0.64		n/a	Belarus	n/a	n/a	n/a	
41	Peru	49.13	28.64	0.63		n/a	Benin	n/a	n/a	n/a	
42	Indonesia	45.19	26.32	0.62		n/a	Bhutan	n/a	n/a	n/a	
43	El Salvador	45.16	26.31	0.61		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
44	China	44.94	26.18	0.60		n/a	Brunei Darussalam	n/a	n/a	n/a	
45	Mexico	44.60	25.98	0.59		n/a	Burkina Faso	n/a	n/a	n/a	
46	Germany	43.72	25.46	0.58		n/a	Burundi	n/a	n/a	n/a	
47	Russian Federation	43.41	25.28	0.57		n/a	Cabo Verde	n/a	n/a	n/a	
48	Jamaica	43.06	25.07	0.56		n/a	Cambodia	n/a	n/a	n/a	
49	Malta	41.63	24.23	0.55		n/a	Cameroon	n/a	n/a	n/a	
50	Kenya	39.73	23.12	0.54		n/a	Dominican Republic	n/a	n/a	n/a	
51	Turkey	39.12	22.76	0.53		n/a	Ethiopia	n/a	n/a	n/a	
52	Croatia	38.20	22.22	0.52		n/a	Gambia	n/a	n/a	n/a	
53	Uganda	36.69	21.33	0.51		n/a	Guatemala	n/a	n/a	n/a	
54	Poland	36.29	21.09	0.50		n/a	Guinea	n/a	n/a	n/a	
55	Panama	34.60	20.10	0.50		n/a	Honduras	n/a	n/a	n/a	
56	Botswana	31.83	18.48	0.49		n/a	Lesotho	n/a	n/a	n/a	
57	Côte d'Ivoire	31.72	18.41	0.48	●	n/a	Madagascar	n/a	n/a	n/a	
58	Portugal	30.84	17.90	0.47		n/a	Mali	n/a	n/a	n/a	
59	Sri Lanka	28.69	16.63	0.46		n/a	Moldova, Rep.	n/a	n/a	n/a	
60	Oman (2011)	27.47	15.92	0.45		n/a	Mozambique	n/a	n/a	n/a	
61	Austria	26.53	15.37	0.44	○	n/a	Myanmar	n/a	n/a	n/a	
62	Lebanon	23.97	13.87	0.43		n/a	Nicaragua	n/a	n/a	n/a	
63	Italy	23.86	13.80	0.42		n/a	Niger	n/a	n/a	n/a	
64	Viet Nam	23.25	13.44	0.41		n/a	Rwanda	n/a	n/a	n/a	
65	Egypt	22.55	13.03	0.40		n/a	Senegal	n/a	n/a	n/a	
66	Nigeria	21.47	12.40	0.39		n/a	Seychelles	n/a	n/a	n/a	
67	Guyana	21.43	12.37	0.38		n/a	Sudan	n/a	n/a	n/a	
68	Nepal	21.43	12.37	0.37		n/a	Tajikistan	n/a	n/a	n/a	
69	Iran, Islamic Rep. (2011)	20.86	12.04	0.36		n/a	Togo	n/a	n/a	n/a	
70	Iceland	20.68	11.93	0.36	○	n/a	Yemen	n/a	n/a	n/a	
71	Serbia	19.87	11.46	0.35							
72	United Arab Emirates (2011)	19.80	11.41	0.34	○						
73	Tunisia	19.46	11.22	0.33							

SOURCE: Standard and Poor's and World Bank and OECD GDP estimates; extracted from World Bank *World Development Indicators* database (2005–12)

NOTE: ● indicates a strength; ○ a weakness.

4.2.3 Total value of stocks traded

Stocks traded, total value (% of GDP) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank	Rank	Country/Economy	Value	Score (0–100)	Percent rank
1	Hong Kong (China)	467.00	100.00	0.97 ●	74	Bulgaria	0.71	0.69	0.32
1	Korea, Rep.	134.02	100.00	0.97 ●	75	Ukraine	0.68	0.67	0.31
1	United Kingdom	102.19	100.00	0.97 ●	76	Côte d'Ivoire	0.66	0.64	0.31
1	United States of America	136.28	100.00	0.97 ●	77	Kazakhstan	0.55	0.54	0.30
5	Switzerland	101.39	99.22	0.96 ●	78	Malta	0.49	0.48	0.29 ○
6	South Africa	81.13	79.39	0.95 ●	79	Barbados (2011)	0.49	0.48	0.28
7	Spain	79.82	78.11	0.94 ●	80	Trinidad and Tobago	0.48	0.47	0.27
8	Sweden	71.55	70.02	0.94	81	Lithuania	0.40	0.39	0.26
9	China	70.82	69.30	0.93	82	Mongolia	0.40	0.39	0.25
10	Australia	69.16	67.68	0.92	83	Malawi	0.38	0.37	0.24
11	Canada	66.32	64.89	0.91	84	TFYR of Macedonia	0.32	0.31	0.23 ○
12	Thailand	62.77	61.42	0.90 ●	85	Panama	0.31	0.30	0.22
13	Japan	60.50	59.20	0.89	86	Argentina	0.31	0.30	0.21
14	Netherlands	57.15	55.92	0.88	87	Nepal	0.25	0.25	0.20
15	Singapore	56.95	55.73	0.87	88	Moldova, Rep. (2009)	0.24	0.23	0.19
16	Saudi Arabia (2011)	50.80	49.70	0.86 ●	89	El Salvador	0.22	0.21	0.19
17	Finland	50.39	49.31	0.85	90	Paraguay	0.21	0.20	0.18
18	Turkey	44.16	43.21	0.84 ●	91	Luxembourg	0.20	0.20	0.17 ○
19	Israel (2011)	43.44	42.51	0.83	92	Uzbekistan (2011)	0.18	0.18	0.16
20	France	43.12	42.19	0.82	93	Slovakia	0.18	0.18	0.15 ○
21	Malaysia	41.02	40.14	0.81	94	Fiji	0.17	0.16	0.14 ○
22	Italy	37.73	36.92	0.81	95	Namibia	0.16	0.16	0.13 ○
23	Brazil	37.05	36.25	0.80 ●	96	Ecuador	0.16	0.16	0.12
24	Russian Federation	36.34	35.56	0.79	97	Ghana	0.13	0.13	0.11
25	Germany	36.05	35.27	0.78	98	Latvia	0.11	0.11	0.10 ○
26	India	33.80	33.07	0.77 ●	99	Tanzania, United Rep.	0.09	0.09	0.09
27	Denmark	33.58	32.86	0.76	100	Kyrgyzstan	0.09	0.08	0.08
28	Norway	26.59	26.02	0.75	101	Costa Rica	0.07	0.07	0.07 ○
29	Belgium	21.35	20.89	0.74	102	Bolivia, Plurinational St.	0.07	0.07	0.06 ○
30	Chile	17.42	17.04	0.73	103	Uganda	0.06	0.05	0.06 ○
31	Zimbabwe	14.89	14.57	0.72 ●	104	Guyana (2008)	0.04	0.04	0.05 ○
32	Philippines	13.86	13.56	0.71 ●	105	Georgia	0.01	0.01	0.04 ○
33	Poland	13.73	13.43	0.70	106	Armenia	0.01	0.01	0.03 ○
34	Qatar (2011)	13.37	13.08	0.69	107	Venezuela, Bolivarian Rep.	0.01	0.01	0.02 ○
35	New Zealand (2010)	12.84	12.56	0.69	108	Uruguay	0.00	0.00	0.01 ○
36	Portugal	12.53	12.26	0.68	109	Swaziland (2006)	0.00	0.00	0.00 ○
37	Kuwait (2011)	12.12	11.85	0.67	n/a	Albania	n/a	n/a	n/a
38	Austria	11.81	11.56	0.66	n/a	Algeria	n/a	n/a	n/a
39	Bangladesh	10.85	10.62	0.65 ●	n/a	Angola	n/a	n/a	n/a
40	Indonesia	10.44	10.22	0.64	n/a	Azerbaijan	n/a	n/a	n/a
41	Mexico	10.04	9.82	0.63	n/a	Belarus	n/a	n/a	n/a
42	Jordan	8.92	8.73	0.62	n/a	Benin	n/a	n/a	n/a
43	Hungary	8.67	8.48	0.61	n/a	Bhutan	n/a	n/a	n/a
44	Egypt	7.84	7.67	0.60	n/a	Bosnia and Herzegovina	n/a	n/a	n/a
45	Colombia	7.03	6.88	0.59	n/a	Brunei Darussalam	n/a	n/a	n/a
46	Greece	5.96	5.83	0.58	n/a	Burkina Faso	n/a	n/a	n/a
47	Ireland	5.76	5.64	0.57 ○	n/a	Burundi	n/a	n/a	n/a
48	Czech Republic	5.22	5.11	0.56	n/a	Cabo Verde	n/a	n/a	n/a
49	Pakistan	5.18	5.06	0.56 ●	n/a	Cambodia	n/a	n/a	n/a
50	Iceland	5.02	4.91	0.55	n/a	Cameroon	n/a	n/a	n/a
51	United Arab Emirates (2011)	4.39	4.30	0.54	n/a	Dominican Republic	n/a	n/a	n/a
52	Iran, Islamic Rep. (2011)	3.90	3.82	0.53	n/a	Ethiopia	n/a	n/a	n/a
53	Morocco	3.62	3.54	0.52	n/a	Gambia	n/a	n/a	n/a
54	Oman (2011)	3.59	3.51	0.51	n/a	Guatemala	n/a	n/a	n/a
55	Mauritius	2.82	2.76	0.50	n/a	Guinea	n/a	n/a	n/a
56	Sri Lanka	2.82	2.76	0.49	n/a	Honduras	n/a	n/a	n/a
57	Tunisia	2.74	2.68	0.48	n/a	Lesotho	n/a	n/a	n/a
58	Kenya	2.71	2.65	0.47	n/a	Madagascar	n/a	n/a	n/a
59	Peru	2.53	2.47	0.46	n/a	Mali	n/a	n/a	n/a
60	Viet Nam	2.38	2.33	0.45	n/a	Mozambique	n/a	n/a	n/a
61	Nigeria	1.60	1.56	0.44	n/a	Myanmar	n/a	n/a	n/a
62	Jamaica	1.39	1.35	0.44	n/a	Nicaragua	n/a	n/a	n/a
63	Cyprus	1.26	1.23	0.43	n/a	Niger	n/a	n/a	n/a
64	Romania	1.26	1.23	0.42	n/a	Rwanda	n/a	n/a	n/a
65	Bahrain (2010)	1.25	1.22	0.41	n/a	Senegal	n/a	n/a	n/a
66	Montenegro	1.01	0.99	0.40	n/a	Seychelles	n/a	n/a	n/a
67	Lebanon	0.95	0.93	0.39	n/a	Sudan	n/a	n/a	n/a
68	Zambia	0.95	0.92	0.38	n/a	Tajikistan	n/a	n/a	n/a
69	Slovenia	0.88	0.86	0.37	n/a	Togo	n/a	n/a	n/a
70	Croatia	0.87	0.85	0.36 ○	n/a	Yemen	n/a	n/a	n/a
71	Estonia	0.82	0.80	0.35 ○					
72	Botswana	0.79	0.77	0.34					
73	Serbia	0.77	0.75	0.33					

SOURCE: Standard and Poor's and World Bank and OECD GDP estimates, World Bank World Development Indicators database (2005–12)

NOTE: ● indicates a strength; ○ a weakness.

4.2.4 Venture capital deals

Venture capital per investment location: Number of deals (per trillion PPP\$ GDP) | 2013

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Canada	0.67	100.00	0.94	●	n/a	Azerbaijan	n/a	n/a	n/a	
1	Ireland	0.70	100.00	0.94	●	n/a	Bahrain	n/a	n/a	n/a	
1	Israel	0.97	100.00	0.94	●	n/a	Bangladesh	n/a	n/a	n/a	
1	Switzerland	0.44	100.00	0.94	●	n/a	Barbados	n/a	n/a	n/a	
1	United States of America	0.74	100.00	0.94	●	n/a	Belarus	n/a	n/a	n/a	
6	Finland	0.42	95.83	0.93		n/a	Benin	n/a	n/a	n/a	
7	United Kingdom	0.36	81.34	0.91		n/a	Bhutan	n/a	n/a	n/a	
8	Singapore	0.34	75.77	0.90		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
9	Sweden	0.32	72.07	0.89		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
10	France	0.31	70.54	0.87		n/a	Botswana	n/a	n/a	n/a	
11	Rwanda	0.31	68.76	0.86	●	n/a	Brunei Darussalam	n/a	n/a	n/a	
12	Estonia	0.30	67.66	0.84		n/a	Burundi	n/a	n/a	n/a	
13	Denmark	0.25	55.28	0.83		n/a	Cabo Verde	n/a	n/a	n/a	
14	Germany	0.23	52.60	0.81		n/a	Cambodia	n/a	n/a	n/a	
15	Belgium	0.19	42.47	0.80		n/a	Cameroon	n/a	n/a	n/a	
16	Lithuania	0.16	36.43	0.79		n/a	Costa Rica	n/a	n/a	n/a	
17	Spain	0.15	34.54	0.77		n/a	Côte d'Ivoire	n/a	n/a	n/a	
18	Norway	0.15	32.38	0.76		n/a	Cyprus	n/a	n/a	n/a	
19	Austria	0.14	31.46	0.74		n/a	Dominican Republic	n/a	n/a	n/a	
20	Netherlands	0.11	24.82	0.73		n/a	Ecuador	n/a	n/a	n/a	
21	Kenya	0.11	24.78	0.71		n/a	El Salvador	n/a	n/a	n/a	
22	Latvia	0.10	22.75	0.70		n/a	Ethiopia	n/a	n/a	n/a	
23	Australia	0.10	21.67	0.69		n/a	Fiji	n/a	n/a	n/a	
24	India	0.10	21.44	0.67		n/a	Gambia	n/a	n/a	n/a	
25	New Zealand	0.10	21.08	0.66		n/a	Georgia	n/a	n/a	n/a	
26	Uruguay	0.09	19.55	0.64		n/a	Guatemala	n/a	n/a	n/a	
27	Iceland	0.08	16.70	0.63		n/a	Guinea	n/a	n/a	n/a	
28	Luxembourg	0.07	15.34	0.61		n/a	Guyana	n/a	n/a	n/a	
29	Jordan	0.05	10.72	0.60		n/a	Honduras	n/a	n/a	n/a	
30	Armenia	0.05	10.39	0.59		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
31	United Arab Emirates	0.05	10.31	0.57		n/a	Jamaica	n/a	n/a	n/a	
32	Bulgaria	0.05	10.23	0.56		n/a	Kazakhstan	n/a	n/a	n/a	
33	Madagascar	0.05	9.68	0.54		n/a	Kuwait	n/a	n/a	n/a	
34	Japan	0.04	9.07	0.53		n/a	Kyrgyzstan	n/a	n/a	n/a	
35	Malaysia	0.04	8.89	0.51		n/a	Lebanon	n/a	n/a	n/a	
36	Chile	0.04	8.17	0.50		n/a	Lesotho	n/a	n/a	n/a	
37	Burkina Faso	0.04	7.94	0.49	●	n/a	Malawi	n/a	n/a	n/a	
38	Philippines	0.04	7.87	0.47		n/a	Mali	n/a	n/a	n/a	
39	Portugal	0.04	7.77	0.46		n/a	Malta	n/a	n/a	n/a	
40	Hong Kong (China)	0.03	7.11	0.44		n/a	Mauritius	n/a	n/a	n/a	
41	Ghana	0.03	6.91	0.43		n/a	Moldova, Rep.	n/a	n/a	n/a	
42	China	0.03	6.86	0.41		n/a	Mongolia	n/a	n/a	n/a	
43	Russian Federation	0.03	6.03	0.40		n/a	Montenegro	n/a	n/a	n/a	
44	Brazil	0.03	5.84	0.39		n/a	Mozambique	n/a	n/a	n/a	
45	Korea, Rep.	0.03	5.51	0.37		n/a	Myanmar	n/a	n/a	n/a	
46	Tanzania, United Rep.	0.03	5.10	0.36		n/a	Namibia	n/a	n/a	n/a	
47	Hungary	0.02	3.99	0.34		n/a	Nepal	n/a	n/a	n/a	
48	Uganda	0.02	3.55	0.33		n/a	Nicaragua	n/a	n/a	n/a	
49	Mexico	0.01	2.69	0.31		n/a	Niger	n/a	n/a	n/a	
50	Italy	0.01	2.64	0.30	○	n/a	Oman	n/a	n/a	n/a	
51	Croatia	0.01	2.27	0.29	○	n/a	Panama	n/a	n/a	n/a	
52	Czech Republic	0.01	1.75	0.27	○	n/a	Paraguay	n/a	n/a	n/a	
53	Argentina	0.01	1.72	0.26		n/a	Peru	n/a	n/a	n/a	
54	Qatar	0.01	1.67	0.24		n/a	Saudi Arabia	n/a	n/a	n/a	
55	Poland	0.01	1.60	0.23	○	n/a	Senegal	n/a	n/a	n/a	
56	Tunisia	0.01	1.46	0.21		n/a	Serbia	n/a	n/a	n/a	
57	Uzbekistan	0.01	1.39	0.20		n/a	Seychelles	n/a	n/a	n/a	
58	Nigeria	0.01	1.27	0.19		n/a	Slovakia	n/a	n/a	n/a	
59	Colombia	0.01	1.11	0.17	○	n/a	Slovenia	n/a	n/a	n/a	
60	Sri Lanka	0.01	1.06	0.16	○	n/a	Sudan	n/a	n/a	n/a	
61	Romania	0.01	0.99	0.14	○	n/a	Swaziland	n/a	n/a	n/a	
62	Turkey	0.01	0.73	0.13	○	n/a	Tajikistan	n/a	n/a	n/a	
63	Morocco	0.01	0.63	0.11	○	n/a	TFYR of Macedonia	n/a	n/a	n/a	
64	Egypt	0.01	0.60	0.10	○	n/a	Togo	n/a	n/a	n/a	
65	Pakistan	0.01	0.55	0.09		n/a	Trinidad and Tobago	n/a	n/a	n/a	
66	South Africa	0.01	0.51	0.07	○	n/a	Ukraine	n/a	n/a	n/a	
67	Indonesia	0.00	0.43	0.06	○	n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Thailand	0.00	0.38	0.04	○	n/a	Yemen	n/a	n/a	n/a	
69	Greece	0.00	0.22	0.03	○	n/a	Zambia	n/a	n/a	n/a	
70	Algeria	0.00	0.17	0.01	○	n/a	Zimbabwe	n/a	n/a	n/a	
71	Viet Nam	0.00	0.00	0.00	○						
n/a	Albania	n/a	n/a	n/a							
n/a	Angola	n/a	n/a	n/a							

SOURCE: Thomson Reuters, Thomson One Banker Private Equity database; International Monetary Fund World Economic Outlook 2013 database (PPP\$ GDP)

NOTE: ● indicates a strength; ○ a weakness.

4.3.1 Applied tariff rate, weighted mean

Tariff rate, applied, weighted mean, all products (%) | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	0.00	100.00	0.99	●	73	Ecuador	4.10	85.52	0.48	
1	Singapore (2010)	0.00	100.00	0.99	●	75	Brunei Darussalam (2010)	4.12	85.45	0.48	
1	Switzerland	0.00	100.00	0.99	●	76	Kuwait (2009)	4.13	85.42	0.47	
4	Norway	0.45	98.41	0.98	●	77	Swaziland	4.24	85.03	0.46	
5	Mauritius	0.68	97.60	0.97	●	78	South Africa	4.46	84.25	0.45	
6	Georgia	0.72	97.46	0.96	●	79	Paraguay	4.47	84.22	0.45	
7	Canada (2010)	0.86	96.96	0.96	●	80	Mozambique (2010)	4.75	83.23	0.44	
8	Iceland	1.04	96.33	0.95		81	Philippines (2010)	4.77	83.16	0.43	
9	Namibia	1.05	96.29	0.94	●	82	Lebanon (2007)	4.81	83.02	0.43	
10	Austria	1.09	96.15	0.75		83	Thailand (2009)	4.92	82.63	0.42	
10	Belgium	1.09	96.15	0.75		84	Mongolia	5.13	81.89	0.41	
10	Bulgaria	1.09	96.15	0.75		85	Jordan (2009)	5.18	81.71	0.40	
10	Cyprus	1.09	96.15	0.75		86	Russian Federation	5.20	81.64	0.40	
10	Czech Republic	1.09	96.15	0.75		87	El Salvador (2010)	5.49	80.61	0.39	
10	Denmark	1.09	96.15	0.75		88	Argentina	5.57	80.33	0.38	
10	Estonia	1.09	96.15	0.75		89	Colombia	5.60	80.23	0.38	
10	Finland	1.09	96.15	0.75		90	Viet Nam (2010)	5.66	80.01	0.37	
10	France	1.09	96.15	0.75		91	Bahrain	5.69	79.91	0.36	
10	Germany	1.09	96.15	0.75		92	Sri Lanka	5.70	79.87	0.35	
10	Greece	1.09	96.15	0.75		93	Tajikistan (2010)	5.86	79.31	0.35	
10	Hungary	1.09	96.15	0.75		94	Serbia (2005)	6.03	78.71	0.34	
10	Ireland	1.09	96.15	0.75		95	Kenya	6.08	78.53	0.33	
10	Italy	1.09	96.15	0.75		96	Dominican Republic (2010)	6.09	78.50	0.33	
10	Latvia	1.09	96.15	0.75		97	Madagascar	6.12	78.39	0.32	
10	Lithuania	1.09	96.15	0.75		98	Rwanda	6.13	78.35	0.31	
10	Luxembourg	1.09	96.15	0.75		99	Malawi	6.16	78.25	0.30	
10	Malta	1.09	96.15	0.75		100	Honduras (2009)	6.46	77.19	0.30	
10	Netherlands	1.09	96.15	0.75		101	Guyana	6.50	77.05	0.29	
10	Poland	1.09	96.15	0.75		102	Burundi	6.59	76.73	0.28	
10	Portugal	1.09	96.15	0.75		103	Tanzania, United Rep.	6.61	76.66	0.28	
10	Romania	1.09	96.15	0.75		104	Côte d'Ivoire	6.79	76.02	0.27	
10	Slovakia	1.09	96.15	0.75		105	Uzbekistan (2009)	6.93	75.53	0.26	
10	Slovenia	1.09	96.15	0.75		106	Morocco (2009)	7.13	74.82	0.26	
10	Spain	1.09	96.15	0.75		107	Uganda	7.31	74.19	0.25	
10	Sweden	1.09	96.15	0.75		108	Angola (2009)	7.44	73.73	0.24	
10	United Kingdom	1.09	96.15	0.75		109	Jamaica	7.45	73.69	0.23	
37	Albania	1.26	95.55	0.74	●	110	Panama (2009)	7.61	73.13	0.23	
38	Croatia	1.29	95.44	0.73		111	Brazil	7.86	72.25	0.22	
38	Japan	1.29	95.44	0.73		112	Egypt (2009)	8.05	71.57	0.21	
40	Peru	1.51	94.67	0.72		113	India (2009)	8.18	71.12	0.21	
41	Bosnia and Herzegovina	1.53	94.60	0.72	●	114	Mali	8.40	70.34	0.20	
42	United States of America	1.58	94.42	0.71		115	Senegal	8.42	70.27	0.19	
43	New Zealand (2010)	1.62	94.28	0.70		116	Ghana (2009)	8.58	69.70	0.18	
44	Belarus	1.80	93.64	0.70		117	Burkina Faso	8.60	69.63	0.18	
45	Australia	1.81	93.61	0.69		118	Algeria (2009)	8.61	69.60	0.17	
46	Ukraine	1.91	93.26	0.68		119	Venezuela, Bolivarian Rep.	8.63	69.53	0.16	
47	TFYR of Macedonia	2.04	92.80	0.67		120	Korea, Rep. (2010)	8.71	69.24	0.16	○
48	Mexico (2010)	2.19	92.27	0.67		121	Pakistan (2009)	9.53	66.35	0.15	
49	Armenia (2008)	2.27	91.98	0.66		122	Niger	9.68	65.82	0.14	
50	Guatemala	2.28	91.95	0.65	●	123	Fiji	9.89	65.08	0.13	○
51	Nicaragua (2010)	2.30	91.88	0.65	●	124	Cambodia (2008)	9.91	65.01	0.13	
52	Kyrgyzstan	2.42	91.45	0.64		125	Trinidad and Tobago (2008)	10.03	64.58	0.12	
53	Moldova, Rep. (2010)	2.46	91.31	0.63		126	Cabo Verde	10.20	63.98	0.11	○
54	Indonesia	2.59	90.85	0.62		127	Ethiopia	10.41	63.24	0.11	
55	Zambia	2.69	90.50	0.62		128	Nigeria (2010)	10.55	62.75	0.10	
56	Turkey	2.74	90.32	0.61		129	Lesotho	10.66	62.36	0.09	
57	Costa Rica (2010)	3.09	89.09	0.60		130	Togo	11.08	60.88	0.09	
58	Oman (2009)	3.17	88.81	0.60		131	Guinea (2010)	11.91	57.94	0.08	
59	Myanmar (2008)	3.18	88.77	0.59	●	132	Cameroon	11.93	57.87	0.07	○
60	Kazakhstan	3.40	87.99	0.58		133	Nepal	12.04	57.49	0.06	○
61	Montenegro	3.47	87.75	0.57		134	Gambia	12.49	55.90	0.06	○
62	Israel (2009)	3.54	87.50	0.57		135	Bangladesh (2008)	13.00	54.10	0.05	○
63	Botswana	3.64	87.15	0.56		136	Sudan	14.73	47.99	0.04	
64	Bolivia, Plurinational St.	3.68	87.01	0.55	●	137	Barbados (2007)	14.77	47.85	0.04	○
65	United Arab Emirates (2009)	3.73	86.83	0.55		138	Benin	14.96	47.18	0.03	○
66	Uruguay	3.75	86.76	0.54		139	Tunisia (2008)	15.95	43.68	0.02	○
67	Qatar (2009)	3.76	86.72	0.53		140	Bhutan (2007)	17.75	37.32	0.01	○
68	Yemen	3.82	86.51	0.52	●	141	Iran, Islamic Rep.	21.77	23.13	0.01	○
69	Saudi Arabia (2009)	3.87	86.33	0.52		142	Seychelles (2007)	28.32	0.00	0.00	○
70	Azerbaijan	3.89	86.26	0.51		n/a	Zimbabwe	n/a	n/a	n/a	
71	Malaysia (2009)	3.95	86.05	0.50							
72	Chile (2010)	4.02	85.81	0.50							
73	China	4.10	85.52	0.48							

SOURCE: World Bank, based on WITS, UNCTAD TRAINS, and UN COMTRADE; extracted from World Bank *World Development Indicators* database (2005–12)

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Botswana	0.00	100.00	0.96	●	74	Fiji	0.97	89.84	0.47	
1	Burundi	0.00	100.00	0.96	●	75	Uruguay	0.97	89.82	0.47	
1	Jamaica	0.00	100.00	0.96	●	76	Iran, Islamic Rep.	0.99	89.62	0.46	
1	Kenya	0.00	100.00	0.96	●	77	Saudi Arabia	1.11	88.34	0.45	
1	Malawi	0.00	100.00	0.96	●	78	Egypt	1.15	87.94	0.45	
1	Moldova, Rep.	0.00	100.00	0.96	●	79	Thailand	1.18	87.63	0.44	
1	Rwanda	0.00	100.00	0.96	●	80	United States of America	1.19	87.50	0.43	○
8	Guyana	0.00	99.97	0.95	●	81	Kyrgyzstan	1.21	87.24	0.42	
9	Azerbaijan	0.01	99.94	0.94	●	82	Qatar	1.23	87.01	0.42	
10	Gambia	0.01	99.88	0.94	●	83	Turkey	1.25	86.81	0.41	
11	Angola	0.01	99.88	0.93	●	84	Montenegro	1.40	85.29	0.40	
12	Mauritius	0.02	99.84	0.92	●	85	South Africa	1.51	84.13	0.40	
13	Costa Rica	0.02	99.82	0.91	●	86	Kuwait	1.51	84.07	0.39	
14	Bosnia and Herzegovina	0.03	99.72	0.91	●	87	Indonesia	1.60	83.21	0.38	
15	Honduras	0.03	99.71	0.90	●	88	Uzbekistan	1.60	83.19	0.37	
16	Sudan	0.03	99.67	0.89	●	89	India	1.76	81.52	0.37	
17	Barbados	0.04	99.62	0.88	●	90	Bahrain	1.92	79.75	0.36	
18	Burkina Faso	0.04	99.55	0.88	●	91	Ghana	1.93	79.68	0.35	
19	Albania	0.05	99.52	0.87	●	92	Switzerland	2.08	78.17	0.35	○
20	Nigeria	0.05	99.50	0.86	●	93	Jordan	2.33	75.51	0.34	
21	Mozambique	0.05	99.49	0.86	●	94	China	2.59	72.78	0.33	
22	Ethiopia	0.05	99.47	0.85	●	95	Guinea	3.07	67.67	0.32	●
23	Uganda	0.05	99.47	0.84	●	96	Hong Kong (China)	3.30	65.28	0.32	○
24	Lesotho	0.06	99.34	0.83	●	97	Austria	3.34	64.88	0.12	○
25	TFYR of Macedonia	0.07	99.21	0.83	●	97	Belgium	3.34	64.88	0.12	○
26	Trinidad and Tobago	0.08	99.14	0.82	●	97	Bulgaria	3.34	64.88	0.12	○
27	Zimbabwe	0.08	99.11	0.81	●	97	Cyprus	3.34	64.88	0.12	○
28	Colombia	0.09	99.02	0.81	●	97	Czech Republic	3.34	64.88	0.12	○
29	Cameroon	0.10	98.90	0.80	●	97	Denmark	3.34	64.88	0.12	○
30	Mexico	0.13	98.63	0.79	●	97	Estonia	3.34	64.88	0.12	○
31	Venezuela, Bolivarian Rep.	0.13	98.62	0.78	●	97	Finland	3.34	64.88	0.12	○
32	Tanzania, United Rep.	0.15	98.41	0.78	●	97	France	3.34	64.88	0.12	○
33	Peru	0.18	98.08	0.77	●	97	Germany	3.34	64.88	0.12	○
34	Canada	0.20	97.91	0.76		97	Greece	3.34	64.88	0.12	○
35	Bolivia, Plurinational St.	0.22	97.71	0.76	●	97	Hungary	3.34	64.88	0.12	○
36	Russian Federation	0.23	97.60	0.75		97	Ireland	3.34	64.88	0.12	○
37	Argentina	0.23	97.56	0.74		97	Italy	3.34	64.88	0.12	○
38	Chile	0.25	97.32	0.73		97	Latvia	3.34	64.88	0.12	○
39	Mongolia	0.26	97.27	0.73		97	Lithuania	3.34	64.88	0.12	○
40	Ecuador	0.28	97.06	0.72	●	97	Luxembourg	3.34	64.88	0.12	○
41	Kazakhstan	0.29	96.97	0.71		97	Malta	3.34	64.88	0.12	○
42	Yemen	0.30	96.88	0.71	●	97	Netherlands	3.34	64.88	0.12	○
43	Nicaragua	0.30	96.80	0.70	●	97	Poland	3.34	64.88	0.12	○
44	Tunisia	0.33	96.49	0.69		97	Portugal	3.34	64.88	0.12	○
45	Brazil	0.34	96.41	0.68		97	Romania	3.34	64.88	0.12	○
46	Nepal	0.38	96.04	0.68	●	97	Slovakia	3.34	64.88	0.12	○
47	Cabo Verde	0.39	95.88	0.67	●	97	Slovenia	3.34	64.88	0.12	○
48	Malaysia	0.44	95.38	0.66		97	Spain	3.34	64.88	0.12	○
49	Norway	0.47	95.04	0.65		97	Sweden	3.34	64.88	0.12	○
50	Croatia	0.47	95.03	0.65		97	United Kingdom	3.34	64.88	0.12	○
51	Zambia	0.48	94.91	0.64	●	124	Senegal	3.56	62.52	0.12	
52	Niger	0.50	94.73	0.63	●	125	Tajikistan	3.64	61.76	0.11	
53	New Zealand	0.52	94.53	0.63		126	United Arab Emirates	3.70	61.11	0.10	○
54	El Salvador	0.55	94.23	0.62		127	Bangladesh	3.78	60.22	0.09	
55	Georgia	0.61	93.56	0.61		128	Mali	3.84	59.60	0.09	
56	Australia	0.62	93.50	0.60		129	Japan	3.96	58.31	0.08	○
57	Dominican Republic	0.64	93.30	0.60	●	130	Korea, Rep.	4.52	52.42	0.07	○
58	Guatemala	0.66	93.02	0.59		131	Panama	4.64	51.23	0.06	○
59	Armenia	0.67	92.93	0.58		132	Viet Nam	5.13	46.02	0.06	○
60	Singapore	0.71	92.56	0.58		133	Swaziland	5.56	41.52	0.05	○
61	Brunei Darussalam	0.71	92.55	0.57		134	Togo	5.82	38.76	0.04	○
62	Israel	0.72	92.44	0.56		135	Pakistan	6.78	28.72	0.04	○
63	Namibia	0.74	92.26	0.55		136	Benin	6.95	26.91	0.03	○
64	Oman	0.74	92.18	0.55		137	Belarus	7.03	26.06	0.02	○
65	Ukraine	0.75	92.10	0.54		138	Sri Lanka	7.29	23.29	0.01	○
66	Morocco	0.77	91.88	0.53		139	Cambodia	8.26	13.11	0.01	○
67	Madagascar	0.78	91.74	0.53		140	Serbia	9.51	0.00	0.00	○
68	Philippines	0.81	91.50	0.52		n/a	Algeria	n/a	n/a	n/a	
69	Côte d'Ivoire	0.86	90.93	0.51	●	n/a	Bhutan	n/a	n/a	n/a	
70	Myanmar	0.89	90.65	0.50	●	n/a	Lebanon	n/a	n/a	n/a	
71	Seychelles	0.89	90.63	0.50							
72	Iceland	0.95	90.00	0.49							
73	Paraguay	0.96	89.92	0.48							

SOURCE: World Trade Organization, International Trade Centre, and United Nations Conference on Trade and Development, *World Tariff Profiles 2013* (2010–11)

NOTE: ● indicates a strength; ○ a weakness.

4.3.3 Intensity of local competition

Average answer to the survey question: In your country, how intense is competition in the local markets? [1 = not intense at all; 7 = extremely intense] | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Japan	6.24	87.33	1.00	●	74	Cambodia	4.90	65.00	0.45	
2	United Kingdom	6.04	84.00	0.99	●	74	Portugal	4.90	65.00	0.45	
3	Malta	6.01	83.50	0.99	●	76	Pakistan	4.89	64.83	0.44	
4	Netherlands	6.00	83.33	0.98	●	77	Tunisia	4.87	64.50	0.44	
5	Belgium	5.97	82.83	0.97	●	78	Madagascar	4.85	64.17	0.42	
6	Hong Kong (China)	5.92	82.00	0.96		78	Zimbabwe	4.85	64.17	0.42	
7	Korea, Rep.	5.89	81.50	0.96		80	Iceland	4.84	64.00	0.41	○
8	Germany	5.86	81.00	0.95	●	81	Gambia	4.81	63.50	0.41	
9	Austria	5.83	80.50	0.93	●	82	TFYR of Macedonia	4.80	63.33	0.40	
9	Czech Republic	5.83	80.50	0.93	●	83	Finland	4.78	63.00	0.39	○
11	Australia	5.82	80.33	0.92		84	Greece	4.75	62.50	0.39	
11	United States of America	5.82	80.33	0.92		85	Benin	4.74	62.33	0.36	
13	Turkey	5.79	79.83	0.91	●	85	Rwanda	4.74	62.33	0.36	
14	Qatar	5.76	79.33	0.90		85	Trinidad and Tobago	4.74	62.33	0.36	
15	United Arab Emirates	5.71	78.50	0.90	●	88	Botswana	4.73	62.17	0.35	
16	Saudi Arabia	5.69	78.17	0.89	●	88	Cameroon	4.73	62.17	0.35	
17	Singapore	5.64	77.33	0.88		90	Lesotho	4.72	62.00	0.34	
18	Sri Lanka	5.61	76.83	0.87	●	91	Bhutan	4.69	61.50	0.33	
18	Switzerland	5.61	76.83	0.87		91	Israel	4.69	61.50	0.33	○
20	Estonia	5.59	76.50	0.86		93	Myanmar	4.61	60.17	0.32	
21	Sweden	5.57	76.17	0.85		94	Mongolia	4.60	60.00	0.31	
22	India	5.55	75.83	0.84	●	95	Namibia	4.59	59.83	0.30	
23	Lebanon	5.54	75.67	0.84	●	95	Seychelles	4.59	59.83	0.30	
24	France	5.52	75.33	0.83		97	Armenia	4.58	59.67	0.28	
25	Denmark	5.48	74.67	0.81		97	Bulgaria	4.58	59.67	0.28	○
25	Spain	5.48	74.67	0.81		99	Honduras	4.56	59.33	0.27	
27	Slovakia	5.47	74.50	0.81		100	El Salvador	4.55	59.17	0.27	
28	Mauritius	5.46	74.33	0.80		101	Ukraine	4.54	59.00	0.26	
29	Malaysia	5.44	74.00	0.79		102	Croatia	4.52	58.67	0.25	○
29	New Zealand	5.44	74.00	0.79		103	Kuwait	4.51	58.50	0.24	
31	Canada	5.43	73.83	0.78		103	Nepal	4.51	58.50	0.24	
32	Latvia	5.40	73.33	0.77		105	Mali	4.50	58.33	0.23	
33	Kenya	5.39	73.17	0.76	●	106	Ecuador	4.49	58.17	0.21	
34	Chile	5.38	73.00	0.75		106	Russian Federation	4.49	58.17	0.21	○
34	Lithuania	5.38	73.00	0.75		108	Uruguay	4.46	57.67	0.21	○
36	Poland	5.35	72.50	0.74		109	Romania	4.40	56.67	0.20	○
37	Norway	5.34	72.33	0.73		110	Burkina Faso	4.39	56.50	0.19	
38	Bahrain	5.33	72.17	0.73		111	Swaziland	4.36	56.00	0.18	
39	Thailand	5.32	72.00	0.72		111	Yemen	4.36	56.00	0.18	
40	Ireland	5.29	71.50	0.71		113	Kazakhstan	4.35	55.83	0.16	○
41	Hungary	5.28	71.33	0.70		113	Moldova, Rep.	4.35	55.83	0.16	○
42	Jordan	5.27	71.17	0.70		115	Iran, Islamic Rep.	4.34	55.67	0.16	
43	China	5.26	71.00	0.68		116	Cabo Verde	4.32	55.33	0.14	○
43	South Africa	5.26	71.00	0.68		116	Georgia	4.32	55.33	0.14	○
45	Cyprus	5.25	70.83	0.67		118	Kyrgyzstan	4.28	54.67	0.13	
46	Slovenia	5.23	70.50	0.66		119	Malawi	4.27	54.50	0.13	
46	Zambia	5.23	70.50	0.66	●	120	Mozambique	4.20	53.33	0.12	
48	Barbados	5.21	70.17	0.64		121	Tanzania, United Rep.	4.18	53.00	0.11	
48	Viet Nam	5.21	70.17	0.64		122	Azerbaijan	4.17	52.83	0.10	○
50	Costa Rica	5.20	70.00	0.61		123	Egypt	4.06	51.00	0.09	○
50	Guatemala	5.20	70.00	0.61		123	Guinea	4.06	51.00	0.09	
50	Jamaica	5.20	70.00	0.61		125	Ethiopia	4.03	50.50	0.08	
50	Oman	5.20	70.00	0.61		126	Argentina	4.01	50.17	0.07	○
54	Paraguay	5.18	69.67	0.61	●	127	Montenegro	3.87	47.83	0.07	○
55	Senegal	5.13	68.83	0.60	●	128	Nicaragua	3.84	47.33	0.06	○
56	Luxembourg	5.12	68.67	0.59		129	Bolivia, Plurinational St.	3.83	47.17	0.04	○
56	Morocco	5.12	68.67	0.59		129	Serbia	3.83	47.17	0.04	○
58	Peru	5.10	68.33	0.58		131	Algeria	3.56	42.67	0.04	○
59	Brunei Darussalam	5.08	68.00	0.57		132	Albania	3.42	40.33	0.02	○
60	Philippines	5.07	67.83	0.56		132	Bosnia and Herzegovina	3.42	40.33	0.02	○
61	Colombia	5.06	67.67	0.56		134	Burundi	3.29	38.17	0.01	○
62	Mexico	5.05	67.50	0.55		135	Venezuela, Bolivarian Rep.	3.04	34.00	0.01	○
63	Indonesia	5.03	67.17	0.54		136	Angola	2.82	30.33	0.00	○
64	Ghana	5.02	67.00	0.53		n/a	Belarus	n/a	n/a	n/a	
64	Uganda	5.02	67.00	0.53		n/a	Fiji	n/a	n/a	n/a	
66	Guyana	4.99	66.50	0.52		n/a	Niger	n/a	n/a	n/a	
67	Brazil	4.98	66.33	0.51		n/a	Sudan	n/a	n/a	n/a	
68	Côte d'Ivoire	4.97	66.17	0.50	●	n/a	Tajikistan	n/a	n/a	n/a	
68	Panama	4.97	66.17	0.50		n/a	Togo	n/a	n/a	n/a	
70	Italy	4.95	65.83	0.49		n/a	Uzbekistan	n/a	n/a	n/a	
71	Bangladesh	4.93	65.50	0.48							
72	Dominican Republic	4.92	65.33	0.47							
73	Nigeria	4.91	65.17	0.47							

SOURCE: World Economic Forum, *Executive Opinion Survey 2013–2014*

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Luxembourg	57.18	100.00	1.00	●	74	Pakistan (2008)	19.48	33.19	0.33	
2	Singapore (2008)	51.02	89.09	0.99	●	75	Algeria (2004)	19.10	32.52	0.32	
3	Switzerland	49.84	86.99	0.98		76	Sri Lanka (2010)	19.06	32.45	0.31	
4	Sweden	47.58	82.99	0.97	●	77	Kuwait (2005)	18.71	31.82	0.30	
5	United Kingdom	47.20	82.32	0.96		78	Venezuela, Bolivarian Rep.	18.59	31.62	0.29	
6	Iceland	46.87	81.74	0.95		79	Kyrgyzstan	17.56	29.79	0.28	
7	Norway	45.96	80.12	0.94		80	Dominican Republic	17.33	29.38	0.28	
8	Netherlands	45.92	80.05	0.94		81	Botswana (2006)	17.10	28.98	0.27	
9	Denmark	45.18	78.73	0.93		82	Yemen (2005)	16.97	28.74	0.26	
10	France	44.75	77.98	0.92	●	83	Namibia (2004)	16.95	28.71	0.25	
11	Belgium	44.60	77.70	0.91		84	Colombia (2010)	16.82	28.47	0.24	
12	Finland	43.90	76.47	0.90		85	Bhutan (2010)	16.48	27.89	0.23	
13	Canada	43.80	76.29	0.89		86	Albania (2009)	16.08	27.17	0.22	
14	Germany	43.51	75.78	0.88		87	Ethiopia (2011)	15.85	26.77	0.21	
15	New Zealand (2008)	42.92	74.73	0.87		88	Paraguay	15.43	26.02	0.20	
16	Australia (2008)	42.87	74.64	0.86		89	Iran, Islamic Rep. (2009)	15.32	25.83	0.19	
17	Russian Federation	42.79	74.51	0.85	●	90	Peru	15.26	25.72	0.18	
18	Lithuania	42.78	74.48	0.84	●	91	Bolivia, Plurinational St. (2009)	15.25	25.71	0.17	
19	Israel	42.39	73.79	0.83		92	Nicaragua (2006)	14.82	24.95	0.17	
20	Estonia	41.82	72.78	0.83		93	Mexico	14.74	24.80	0.16	○
21	Slovenia	41.37	71.99	0.82		94	Ecuador	14.65	24.64	0.15	
22	Ireland	41.21	71.70	0.81		95	Honduras (2005)	12.83	21.42	0.14	○
23	Malta	39.69	69.00	0.80		96	El Salvador	11.94	19.84	0.13	
24	Latvia	39.48	68.63	0.79		97	Thailand	10.94	18.07	0.12	○
25	Austria	38.51	66.92	0.78		98	Guatemala	9.45	15.41	0.11	
26	Czech Republic	37.29	64.76	0.77		99	Indonesia (2010)	8.59	13.89	0.10	
27	Montenegro	37.21	64.62	0.76	●	100	Viet Nam (2004)	7.41	11.80	0.09	○
28	United States of America (2008)	36.30	62.99	0.75		101	China (2005)	7.37	11.74	0.08	○
29	Hong Kong (China) (2010)	36.22	62.85	0.74		102	Bangladesh (2005)	7.33	11.66	0.07	○
30	United Arab Emirates (2008)	36.09	62.63	0.73		103	Zambia (2010)	7.28	11.58	0.06	○
31	Belarus (2009)	35.88	62.27	0.72		104	Morocco (2008)	6.79	10.70	0.06	○
32	Hungary	35.44	61.47	0.72		105	Zimbabwe (2011)	6.61	10.39	0.05	
33	Poland	35.09	60.85	0.71		106	Uganda (2009)	4.36	6.40	0.04	○
34	Cyprus	34.97	60.65	0.70		107	Madagascar (2010)	2.85	3.73	0.03	○
35	Italy	34.52	59.85	0.69		108	Tanzania, United Rep. (2006)	2.57	3.23	0.02	○
36	Egypt	33.99	58.91	0.68	●	109	Cambodia (2004)	2.52	3.14	0.01	○
37	Ukraine	33.82	58.61	0.67		110	Guinea (2010)	0.75	0.00	0.00	○
38	Slovakia	32.93	57.03	0.66		n/a	Angola	n/a	n/a	n/a	
39	Spain	32.48	56.24	0.65		n/a	Armenia	n/a	n/a	n/a	
40	Croatia	32.25	55.82	0.64		n/a	Benin	n/a	n/a	n/a	
41	Lebanon (2007)	31.86	55.13	0.63		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
42	Moldova, Rep.	31.34	54.21	0.62		n/a	Brunei Darussalam	n/a	n/a	n/a	
43	Greece	31.09	53.76	0.61		n/a	Burkina Faso	n/a	n/a	n/a	
44	Portugal	30.99	53.59	0.61		n/a	Burundi	n/a	n/a	n/a	
45	Serbia	30.43	52.59	0.60		n/a	Cabo Verde	n/a	n/a	n/a	
46	Barbados (2004)	30.30	52.37	0.59		n/a	Cameroon	n/a	n/a	n/a	
47	TFYR of Macedonia	29.64	51.20	0.58		n/a	Côte d'Ivoire	n/a	n/a	n/a	
48	Bulgaria	29.56	51.06	0.57		n/a	Fiji	n/a	n/a	n/a	
49	Kazakhstan (2010)	29.27	50.54	0.56		n/a	Gambia	n/a	n/a	n/a	
50	Malaysia (2010)	27.53	47.46	0.55		n/a	Ghana	n/a	n/a	n/a	
51	Seychelles (2011)	26.25	45.19	0.54		n/a	Guyana	n/a	n/a	n/a	
52	South Africa	25.28	43.48	0.53		n/a	India	n/a	n/a	n/a	
53	Trinidad and Tobago (2010)	25.01	43.00	0.52		n/a	Jordan	n/a	n/a	n/a	
54	Argentina (2010)	25.00	42.97	0.51		n/a	Kenya	n/a	n/a	n/a	
55	Japan	24.93	42.85	0.50		n/a	Lesotho	n/a	n/a	n/a	
56	Panama	24.39	41.90	0.50		n/a	Malawi	n/a	n/a	n/a	
57	Azerbaijan (2010)	24.22	41.60	0.49		n/a	Mali	n/a	n/a	n/a	
58	Qatar (2007)	24.19	41.54	0.48		n/a	Mozambique	n/a	n/a	n/a	
59	Chile	24.06	41.31	0.47		n/a	Myanmar	n/a	n/a	n/a	
60	Mongolia (2010)	24.04	41.28	0.46		n/a	Nepal	n/a	n/a	n/a	
61	Costa Rica	23.86	40.96	0.45		n/a	Niger	n/a	n/a	n/a	
62	Uruguay (2011)	23.13	39.65	0.44		n/a	Nigeria	n/a	n/a	n/a	
63	Saudi Arabia (2008)	22.88	39.23	0.43		n/a	Oman	n/a	n/a	n/a	
64	Philippines	22.46	38.48	0.42		n/a	Rwanda	n/a	n/a	n/a	
65	Georgia (2007)	22.25	38.10	0.41		n/a	Senegal	n/a	n/a	n/a	
66	Romania	22.20	38.01	0.40		n/a	Sudan	n/a	n/a	n/a	
67	Korea, Rep. (2010)	21.54	36.85	0.39		n/a	Swaziland	n/a	n/a	n/a	
68	Tunisia	20.94	35.78	0.39		n/a	Tajikistan	n/a	n/a	n/a	
69	Bahrain (2008)	20.73	35.42	0.38		n/a	Togo	n/a	n/a	n/a	
70	Brazil	20.50	35.01	0.37		n/a	Uzbekistan	n/a	n/a	n/a	
71	Mauritius	20.37	34.78	0.36							
72	Turkey	20.21	34.49	0.35							
73	Jamaica (2008)	20.11	34.32	0.34							

SOURCE: International Labour Organization, *LABORSTA Database of Labor Statistics* (2004–08), and *ILOSTAT Database of Labour Statistics Beta version* (2004–12)

NOTE: ● indicates a strength; ○ a weakness.

5.1.2 Firms offering formal training

Firms offering formal training (% of firms) | 2009

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	China (2012)	79.20	100.00	1.00	●	74	Jamaica (2010)	26.10	28.92	0.30	
2	Thailand (2006)	75.30	94.78	0.99	●	75	Romania	25.90	28.65	0.30	
3	Ireland (2005)	73.20	91.97	0.98	●	76	Nigeria (2007)	25.70	28.38	0.29	
4	Czech Republic	69.60	87.15	0.97	●	77	Gambia (2006)	25.60	28.25	0.28	
5	Estonia	69.30	86.75	0.96	●	78	Montenegro	25.20	27.71	0.27	○
6	Bosnia and Herzegovina	67.50	84.34	0.95	●	79	Burkina Faso	24.90	27.31	0.26	
7	Mongolia	61.00	75.64	0.94	●	80	Morocco (2007)	24.70	27.04	0.25	
8	Poland	60.50	74.97	0.93	●	81	Ukraine (2008)	24.60	26.91	0.24	
9	El Salvador (2010)	60.40	74.83	0.92	●	82	Cameroon	24.50	26.77	0.23	
10	Argentina (2010)	58.10	71.75	0.90	●	83	Cabo Verde	24.10	26.24	0.22	
10	Fiji	58.10	71.75	0.90	●	84	Jordan (2006)	23.90	25.97	0.21	○
12	Peru (2010)	57.00	70.28	0.90	●	85	Ethiopia (2011)	23.00	24.77	0.20	
13	Colombia (2010)	56.70	69.88	0.89	●	86	Burundi (2006)	22.10	23.56	0.19	
14	Ecuador (2010)	56.40	69.48	0.88	●	87	Mozambique (2007)	22.00	23.43	0.18	
15	Dominican Republic (2010)	55.90	68.81	0.87	●	88	Egypt (2008)	21.70	23.03	0.17	
16	Lesotho	54.40	66.80	0.86	●	89	Côte d'Ivoire	21.30	22.49	0.16	
17	Bolivia, Plurinational St. (2010)	54.10	66.40	0.85	●	90	Tajikistan (2008)	21.20	22.36	0.15	
18	Guyana (2010)	53.40	65.46	0.84	●	91	Guinea (2006)	21.10	22.22	0.14	
19	Barbados (2010)	53.10	65.06	0.83		92	Greece (2005)	20.00	20.75	0.13	○
20	Brazil	52.70	64.52	0.82	●	93	Albania (2007)	19.90	20.62	0.11	
21	Lebanon	52.40	64.12	0.81	●	93	Senegal (2007)	19.90	20.62	0.11	
22	Rwanda (2011)	52.30	63.99	0.80	●	95	TFYR of Macedonia	19.00	19.41	0.10	○
23	Botswana (2010)	51.80	63.32	0.79	●	96	Algeria (2007)	17.30	17.14	0.10	
24	Paraguay (2010)	51.70	63.19	0.78	●	97	India (2006)	15.90	15.26	0.09	○
25	Spain (2005)	51.30	62.65	0.77		98	Georgia (2008)	14.90	13.92	0.08	○
26	Swaziland (2006)	51.00	62.25	0.76	●	99	Hungary	14.60	13.52	0.07	○
27	Malaysia (2007)	50.10	61.04	0.75		100	Sri Lanka (2011)	13.10	11.51	0.06	○
28	Costa Rica (2010)	48.90	59.44	0.74		101	Azerbaijan	10.50	8.03	0.05	○
29	Slovenia	48.60	59.04	0.73		102	Uzbekistan (2008)	9.60	6.83	0.04	○
30	Cambodia (2007)	48.40	58.77	0.72	●	103	Panama (2010)	8.60	5.49	0.03	○
31	Belarus (2013)	47.70	57.83	0.71		104	Yemen (2010)	7.30	3.75	0.02	
32	Malawi	47.60	57.70	0.70	●	105	Indonesia	4.80	0.40	0.01	○
33	Lithuania	46.80	56.63	0.70		106	Pakistan (2007)	4.50	0.00	0.00	○
34	Chile (2010)	45.90	55.42	0.69		n/a	Australia	n/a	n/a	n/a	
35	Mexico (2010)	45.10	54.35	0.68		n/a	Austria	n/a	n/a	n/a	
36	Namibia (2006)	44.50	53.55	0.67		n/a	Bahrain	n/a	n/a	n/a	
37	Russian Federation (2012)	44.30	53.28	0.66		n/a	Bangladesh	n/a	n/a	n/a	
38	Guatemala (2010)	43.60	52.34	0.64	●	n/a	Belgium	n/a	n/a	n/a	
38	Viet Nam	43.60	52.34	0.64		n/a	Brunei Darussalam	n/a	n/a	n/a	
40	Kazakhstan	41.70	49.80	0.63		n/a	Canada	n/a	n/a	n/a	
41	Latvia	41.40	49.40	0.62		n/a	Cyprus	n/a	n/a	n/a	
42	Korea, Rep. (2005)	39.50	46.85	0.61		n/a	Denmark	n/a	n/a	n/a	
43	Venezuela, Bolivarian Rep. (2010)	39.00	46.18	0.60	●	n/a	Finland	n/a	n/a	n/a	
44	South Africa (2007)	38.70	45.78	0.59		n/a	France	n/a	n/a	n/a	
45	Mali (2010)	36.70	43.11	0.58	●	n/a	Hong Kong (China)	n/a	n/a	n/a	
46	Tanzania, United Rep. (2006)	36.50	42.84	0.57	●	n/a	Iceland	n/a	n/a	n/a	
47	Niger	36.10	42.30	0.56		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
48	Serbia	35.80	41.90	0.55		n/a	Israel	n/a	n/a	n/a	
49	Germany (2005)	35.40	41.37	0.54		n/a	Italy	n/a	n/a	n/a	
50	Nicaragua (2010)	35.20	41.10	0.53	●	n/a	Japan	n/a	n/a	n/a	
51	Uganda (2006)	35.00	40.83	0.52		n/a	Kenya	n/a	n/a	n/a	
52	Honduras (2010)	33.80	39.22	0.50	●	n/a	Kuwait	n/a	n/a	n/a	
52	Slovakia	33.80	39.22	0.50		n/a	Luxembourg	n/a	n/a	n/a	
54	Zimbabwe (2011)	33.00	38.15	0.50		n/a	Malta	n/a	n/a	n/a	
55	Moldova, Rep.	32.40	37.35	0.49		n/a	Myanmar	n/a	n/a	n/a	
56	Togo	32.30	37.22	0.47	●	n/a	Netherlands	n/a	n/a	n/a	
56	Uruguay (2010)	32.30	37.22	0.47		n/a	New Zealand	n/a	n/a	n/a	
58	Nepal (2013)	31.90	36.68	0.45		n/a	Norway	n/a	n/a	n/a	
58	Portugal (2005)	31.90	36.68	0.45		n/a	Oman	n/a	n/a	n/a	
60	Trinidad and Tobago (2010)	31.50	36.14	0.44		n/a	Qatar	n/a	n/a	n/a	
61	Ghana (2007)	31.10	35.61	0.41		n/a	Saudi Arabia	n/a	n/a	n/a	
61	Philippines	31.10	35.61	0.41		n/a	Seychelles	n/a	n/a	n/a	
61	Zambia (2007)	31.10	35.61	0.41		n/a	Singapore	n/a	n/a	n/a	
64	Bulgaria	30.80	35.21	0.40		n/a	Sudan	n/a	n/a	n/a	
65	Armenia	30.40	34.67	0.39		n/a	Sweden	n/a	n/a	n/a	
66	Bhutan	29.90	34.00	0.38		n/a	Switzerland	n/a	n/a	n/a	
67	Kyrgyzstan	29.70	33.73	0.36		n/a	Tunisia	n/a	n/a	n/a	
67	Turkey (2008)	29.70	33.73	0.36		n/a	United Arab Emirates	n/a	n/a	n/a	
69	Croatia (2007)	28.90	32.66	0.35	○	n/a	United Kingdom	n/a	n/a	n/a	
70	Mauritius	28.80	32.53	0.34		n/a	United States of America	n/a	n/a	n/a	
71	Madagascar	27.40	30.66	0.33							
72	Angola (2010)	26.90	29.99	0.32	●						
73	Benin	26.80	29.85	0.31							

SOURCE: International Finance Corporation and World Bank, *Enterprise Surveys* (2005–13)

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Israel	3.32	100.00	1.00	●	74	Oman (2011)	0.03	0.95	0.15	○
2	Korea, Rep. (2011)	3.09	93.24	0.99	●	75	TFYR of Macedonia (2010)	0.03	0.75	0.14	○
3	Japan (2011)	2.61	78.64	0.98	●	76	Ecuador (2008)	0.02	0.58	0.13	
4	Finland	2.44	73.54	0.97		77	Mongolia (2011)	0.02	0.56	0.12	○
5	Sweden	2.31	69.66	0.95		78	Namibia (2010)	0.02	0.55	0.10	○
6	Switzerland	2.17	65.32	0.94		79	Mali (2007)	0.01	0.22	0.09	
7	Slovenia	2.16	65.20	0.93	●	80	Zambia (2008)	0.01	0.20	0.08	
8	Denmark	1.96	59.15	0.92		81	Indonesia (2008)	0.00	0.12	0.07	○
9	Germany	1.95	58.91	0.91		82	Senegal (2010)	0.00	0.05	0.06	○
10	Austria	1.95	58.84	0.90		83	Trinidad and Tobago (2009)	0.00	0.03	0.05	○
11	United States of America	1.95	58.80	0.88		84	Ghana (2010)	0.00	0.01	0.03	○
12	Belgium	1.52	45.71	0.87		85	Paraguay (2011)	0.00	0.01	0.02	○
13	China	1.51	45.54	0.86		86	Panama (2010)	0.00	0.01	0.01	○
14	France	1.45	43.80	0.85		87	Guatemala (2011)	0.00	0.00	0.00	○
15	Singapore (2011)	1.39	41.78	0.84		n/a	Albania	n/a	n/a	n/a	
16	Australia (2011)	1.31	39.36	0.83		n/a	Algeria	n/a	n/a	n/a	
17	Iceland (2011)	1.26	38.05	0.81		n/a	Angola	n/a	n/a	n/a	
18	Estonia	1.25	37.80	0.80		n/a	Armenia	n/a	n/a	n/a	
19	Netherlands	1.22	36.82	0.79		n/a	Bahrain	n/a	n/a	n/a	
20	Ireland	1.20	36.09	0.78		n/a	Bangladesh	n/a	n/a	n/a	
21	United Kingdom	1.09	32.97	0.77		n/a	Barbados	n/a	n/a	n/a	
22	Czech Republic	1.01	30.42	0.76		n/a	Benin	n/a	n/a	n/a	
23	Luxembourg	1.00	30.15	0.74		n/a	Bhutan	n/a	n/a	n/a	
24	Canada	0.88	26.62	0.73		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
25	Norway	0.87	26.15	0.72		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
26	Hungary	0.85	25.66	0.71		n/a	Brazil	n/a	n/a	n/a	
27	Portugal	0.70	21.20	0.70		n/a	Brunei Darussalam	n/a	n/a	n/a	
28	Italy	0.69	20.81	0.69		n/a	Burkina Faso	n/a	n/a	n/a	
29	Spain	0.69	20.79	0.67		n/a	Burundi	n/a	n/a	n/a	
30	Russian Federation	0.65	19.67	0.66		n/a	Cabo Verde	n/a	n/a	n/a	
31	Malaysia (2011)	0.60	18.20	0.65		n/a	Cambodia	n/a	n/a	n/a	
32	New Zealand (2011)	0.58	17.42	0.64		n/a	Cameroon	n/a	n/a	n/a	
33	Malta	0.51	15.25	0.63		n/a	Côte d'Ivoire	n/a	n/a	n/a	
34	Belarus (2011)	0.49	14.76	0.62		n/a	Dominican Republic	n/a	n/a	n/a	
35	Ukraine (2011)	0.41	12.37	0.60		n/a	Egypt	n/a	n/a	n/a	
36	Bulgaria	0.39	11.66	0.59		n/a	El Salvador	n/a	n/a	n/a	
37	South Africa (2010)	0.38	11.40	0.58		n/a	Fiji	n/a	n/a	n/a	
38	Turkey (2011)	0.37	11.19	0.57		n/a	Gambia	n/a	n/a	n/a	
39	Croatia	0.34	10.39	0.56		n/a	Georgia	n/a	n/a	n/a	
40	Slovakia	0.34	10.26	0.55		n/a	Guinea	n/a	n/a	n/a	
41	Poland	0.33	10.09	0.53		n/a	Guyana	n/a	n/a	n/a	
42	Hong Kong (China) (2010)	0.32	9.79	0.52		n/a	Honduras	n/a	n/a	n/a	
43	India (2011)	0.29	8.65	0.51		n/a	Jamaica	n/a	n/a	n/a	
44	Lithuania	0.24	7.23	0.50		n/a	Jordan	n/a	n/a	n/a	
45	Greece	0.24	7.13	0.49		n/a	Kuwait	n/a	n/a	n/a	
46	Tunisia (2009)	0.22	6.65	0.48		n/a	Lebanon	n/a	n/a	n/a	
47	Morocco (2010)	0.22	6.62	0.47		n/a	Lesotho	n/a	n/a	n/a	
48	Uganda (2010)	0.19	5.85	0.45		n/a	Madagascar	n/a	n/a	n/a	
49	Romania	0.19	5.74	0.44		n/a	Malawi	n/a	n/a	n/a	
50	Mexico (2011)	0.17	5.04	0.43		n/a	Mauritius	n/a	n/a	n/a	
51	Chile (2010)	0.16	4.86	0.42		n/a	Mozambique	n/a	n/a	n/a	
52	Argentina (2011)	0.16	4.80	0.41		n/a	Myanmar	n/a	n/a	n/a	
53	Latvia	0.15	4.48	0.40	○	n/a	Nepal	n/a	n/a	n/a	
54	United Arab Emirates (2011)	0.14	4.22	0.38		n/a	Nicaragua	n/a	n/a	n/a	
55	Thailand (2009)	0.10	3.11	0.37		n/a	Niger	n/a	n/a	n/a	
56	Sudan (2005)	0.10	3.03	0.36		n/a	Nigeria	n/a	n/a	n/a	
57	Montenegro (2011)	0.09	2.74	0.35		n/a	Pakistan	n/a	n/a	n/a	
58	Kenya (2010)	0.08	2.54	0.34		n/a	Qatar	n/a	n/a	n/a	
59	Botswana (2005)	0.08	2.50	0.33		n/a	Rwanda	n/a	n/a	n/a	
60	Kazakhstan (2011)	0.08	2.44	0.31		n/a	Saudi Arabia	n/a	n/a	n/a	
61	Iran, Islamic Rep. (2008)	0.08	2.39	0.30		n/a	Seychelles	n/a	n/a	n/a	
62	Moldova, Rep. (2011)	0.08	2.31	0.29		n/a	Swaziland	n/a	n/a	n/a	
63	Costa Rica (2011)	0.08	2.27	0.28		n/a	Tajikistan	n/a	n/a	n/a	
64	Serbia (2011)	0.07	2.20	0.27		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
65	Sri Lanka (2010)	0.07	2.06	0.26		n/a	Togo	n/a	n/a	n/a	
66	Cyprus	0.06	1.95	0.24		n/a	Uzbekistan	n/a	n/a	n/a	
67	Philippines (2007)	0.06	1.88	0.23		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Uruguay (2011)	0.06	1.85	0.22		n/a	Viet Nam	n/a	n/a	n/a	
69	Colombia	0.05	1.36	0.21	○	n/a	Yemen	n/a	n/a	n/a	
70	Peru (2004)	0.04	1.31	0.20		n/a	Zimbabwe	n/a	n/a	n/a	
71	Ethiopia (2010)	0.04	1.15	0.19							
72	Azerbaijan (2011)	0.04	1.13	0.17							
73	Kyrgyzstan (2011)	0.04	1.10	0.16							

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2004–12)

NOTE: ● indicates a strength; ○ a weakness.

5.1.4

GERD performed by business enterprise

GERD: Performed by business enterprise (% of total GERD) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Israel	84.45	100.00	1.00	●	74	Iran, Islamic Rep. (2008)	10.61	12.41	0.14	
2	Slovenia	77.22	91.43	0.99	●	75	Serbia (2011)	9.38	10.95	0.13	○
3	Japan (2011)	76.96	91.12	0.98	●	76	Kenya (2010)	8.66	10.09	0.12	○
4	Korea, Rep. (2011)	76.53	90.61	0.96		77	Ecuador (2008)	8.53	9.94	0.11	○
5	China	76.15	90.16	0.95	●	78	Mongolia (2011)	6.78	7.87	0.09	○
6	Switzerland (2008)	73.50	87.01	0.94		79	Mali (2007)	2.97	3.35	0.08	
7	Belarus (2011)	69.87	82.71	0.93	●	80	Trinidad and Tobago (2009)	2.18	2.41	0.07	○
8	United States of America	69.83	82.66	0.92		81	Zambia (2008)	2.02	2.21	0.06	○
9	Ireland	69.42	82.17	0.91		82	Paraguay (2011)	0.79	0.76	0.05	○
10	Austria	68.78	81.42	0.89		83	Senegal (2010)	0.34	0.22	0.04	○
11	Finland	68.72	81.35	0.88		84	Guatemala (2011)	0.34	0.22	0.02	○
12	Sweden	67.79	80.24	0.87		85	Panama (2010)	0.19	0.05	0.01	○
13	Belgium	67.78	80.23	0.86		86	Ghana (2010)	0.15	0.00	0.00	○
14	Luxembourg (2010)	67.61	80.03	0.85		n/a	Albania	n/a	n/a	n/a	
15	Germany	66.92	79.20	0.84		n/a	Algeria	n/a	n/a	n/a	
16	Denmark	65.66	77.71	0.82		n/a	Angola	n/a	n/a	n/a	
17	Hungary	65.63	77.67	0.81		n/a	Armenia	n/a	n/a	n/a	
18	France	64.19	75.97	0.80		n/a	Bahrain	n/a	n/a	n/a	
19	United Kingdom	63.42	75.06	0.79		n/a	Bangladesh	n/a	n/a	n/a	
20	Singapore (2011)	62.14	73.53	0.78		n/a	Barbados	n/a	n/a	n/a	
21	Bulgaria	60.50	71.60	0.76		n/a	Benin	n/a	n/a	n/a	
22	Malta	60.02	71.03	0.75		n/a	Bhutan	n/a	n/a	n/a	
23	Australia (2010)	58.41	69.11	0.74		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
24	Russian Federation	58.34	69.03	0.73		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
25	Estonia	57.45	67.97	0.72		n/a	Brazil	n/a	n/a	n/a	
26	Philippines (2007)	56.95	67.38	0.71	●	n/a	Brunei Darussalam	n/a	n/a	n/a	
27	Malaysia (2011)	56.67	67.04	0.69		n/a	Burkina Faso	n/a	n/a	n/a	
28	Netherlands	56.60	66.97	0.68		n/a	Burundi	n/a	n/a	n/a	
29	Ukraine (2011)	55.71	65.91	0.67		n/a	Cabo Verde	n/a	n/a	n/a	
30	Italy	54.52	64.50	0.66		n/a	Cambodia	n/a	n/a	n/a	
31	Czech Republic	53.61	63.41	0.65		n/a	Cameroon	n/a	n/a	n/a	
32	Spain	52.98	62.67	0.64		n/a	Côte d'Ivoire	n/a	n/a	n/a	
33	Iceland (2011)	52.59	62.20	0.62		n/a	Dominican Republic	n/a	n/a	n/a	
34	Norway	52.37	61.94	0.61		n/a	Egypt	n/a	n/a	n/a	
35	Canada	52.28	61.84	0.60		n/a	El Salvador	n/a	n/a	n/a	
36	Kazakhstan (2011)	51.59	61.03	0.59		n/a	Fiji	n/a	n/a	n/a	
37	South Africa (2010)	49.66	58.74	0.58		n/a	Gambia	n/a	n/a	n/a	
38	Portugal	47.01	55.59	0.56		n/a	Georgia	n/a	n/a	n/a	
39	Croatia	45.85	54.21	0.55		n/a	Guinea	n/a	n/a	n/a	
40	New Zealand (2011)	45.45	53.73	0.54		n/a	Guyana	n/a	n/a	n/a	
41	Sri Lanka (2010)	43.75	51.72	0.53		n/a	Honduras	n/a	n/a	n/a	
42	Hong Kong (China) (2010)	43.32	51.21	0.52		n/a	Indonesia	n/a	n/a	n/a	
43	Turkey (2011)	43.19	51.05	0.51		n/a	Jamaica	n/a	n/a	n/a	
44	Slovakia	41.35	48.87	0.49		n/a	Jordan	n/a	n/a	n/a	
45	Thailand (2009)	41.21	48.71	0.48		n/a	Kuwait	n/a	n/a	n/a	
46	Mexico (2011)	39.01	46.10	0.47		n/a	Lebanon	n/a	n/a	n/a	
47	Romania	38.97	46.05	0.46		n/a	Lesotho	n/a	n/a	n/a	
48	Chile (2010)	38.69	45.71	0.45		n/a	Madagascar	n/a	n/a	n/a	
49	Poland	37.21	43.97	0.44		n/a	Malawi	n/a	n/a	n/a	
50	India (2011)	35.46	41.89	0.42		n/a	Mauritius	n/a	n/a	n/a	
51	Uganda (2010)	34.77	41.07	0.41		n/a	Mozambique	n/a	n/a	n/a	
52	Greece	34.29	40.49	0.40		n/a	Myanmar	n/a	n/a	n/a	
53	Sudan (2005)	33.71	39.81	0.39	●	n/a	Nepal	n/a	n/a	n/a	
54	Morocco (2010)	29.94	35.34	0.38		n/a	Nicaragua	n/a	n/a	n/a	
55	Peru (2004)	29.17	34.43	0.36		n/a	Niger	n/a	n/a	n/a	
56	United Arab Emirates (2011)	28.62	33.77	0.35		n/a	Nigeria	n/a	n/a	n/a	
57	Lithuania	26.59	31.37	0.34		n/a	Pakistan	n/a	n/a	n/a	
58	Colombia	26.17	30.87	0.33		n/a	Qatar	n/a	n/a	n/a	
59	Argentina (2011)	24.63	29.04	0.32		n/a	Rwanda	n/a	n/a	n/a	
60	Oman (2011)	23.93	28.21	0.31		n/a	Saudi Arabia	n/a	n/a	n/a	
61	Kyrgyzstan (2011)	23.33	27.49	0.29		n/a	Seychelles	n/a	n/a	n/a	
62	Latvia	22.60	26.63	0.28	○	n/a	Swaziland	n/a	n/a	n/a	
63	Montenegro (2011)	22.28	26.26	0.27		n/a	Tajikistan	n/a	n/a	n/a	
64	Tunisia (2009)	20.03	23.58	0.26		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
65	Moldova, Rep. (2011)	18.98	22.34	0.25		n/a	Togo	n/a	n/a	n/a	
66	Azerbaijan (2011)	17.79	20.93	0.24		n/a	Uzbekistan	n/a	n/a	n/a	
67	Costa Rica (2011)	15.85	18.62	0.22	○	n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Botswana (2005)	15.57	18.29	0.21		n/a	Viet Nam	n/a	n/a	n/a	
69	Ethiopia (2010)	15.53	18.25	0.20		n/a	Yemen	n/a	n/a	n/a	
70	Uruguay (2011)	14.30	16.78	0.19	○	n/a	Zimbabwe	n/a	n/a	n/a	
71	Cyprus	13.89	16.30	0.18	○						
72	Namibia (2010)	12.82	15.03	0.16							
73	TFYR of Macedonia (2010)	11.50	13.46	0.15	○						

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2004–12)

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	United States of America	1,376.26	100.00	1.00	●	74	Viet Nam	51.56	36.39	0.48	
2	Hong Kong (China)	1,326.10	99.25	0.99	●	75	Belarus	50.54	36.05	0.48	
3	Israel	1,112.77	95.72	0.99	●	76	Mexico	50.29	35.96	0.47	
4	Canada	893.14	91.29	0.98	●	77	Venezuela, Bolivarian Rep.	48.16	35.22	0.46	
5	Lebanon	804.84	89.20	0.97	●	78	Malaysia	45.88	34.39	0.45	
6	Singapore	783.13	88.65	0.96		79	Ecuador	41.36	32.64	0.45	
7	Iceland	586.57	82.86	0.96	●	80	Ukraine	40.97	32.48	0.44	
8	Greece	534.23	80.99	0.95	●	81	Bhutan	39.04	31.68	0.43	
9	Kuwait	510.25	80.07	0.94	●	82	Honduras	38.05	31.25	0.43	
10	Korea, Rep.	433.43	76.82	0.94		83	Czech Republic	37.27	30.92	0.42	
11	Barbados	390.07	74.72	0.93	●	84	Cameroon	37.21	30.89	0.41	●
12	Sweden	346.74	72.39	0.92		85	Argentina	36.98	30.79	0.40	
13	Finland	337.99	71.88	0.91		86	Botswana	35.63	30.18	0.40	
14	Netherlands	319.12	70.75	0.91		87	Egypt	35.20	29.98	0.39	
15	Bulgaria	318.65	70.72	0.90	●	88	Azerbaijan	34.74	29.77	0.38	
16	Switzerland	312.67	70.34	0.89		89	Nigeria	34.16	29.50	0.38	
17	France	300.61	69.57	0.89		90	Swaziland	33.59	29.23	0.37	
18	Saudi Arabia	293.34	69.08	0.88	●	91	Zimbabwe	33.26	29.07	0.36	
19	Norway	290.36	68.88	0.87		92	Morocco	33.04	28.96	0.35	
20	Portugal	288.06	68.73	0.87		93	Poland	32.74	28.81	0.35	
21	Germany	269.97	67.45	0.86		94	Qatar	32.10	28.50	0.34	
22	Ireland	253.89	66.24	0.85		95	Oman	31.69	28.30	0.33	
23	Luxembourg	233.58	64.61	0.84		96	Brazil	31.65	28.28	0.33	
24	Jamaica	210.42	62.57	0.84	●	97	Bosnia and Herzegovina	30.59	27.74	0.32	
25	Austria	198.34	61.42	0.83		98	Cabo Verde	28.16	26.45	0.31	
26	Italy	187.42	60.32	0.82		99	Namibia	26.67	25.62	0.30	
27	Bahrain	177.34	59.25	0.82		100	Kyrgyzstan	26.63	25.59	0.30	
28	Belgium	172.29	58.69	0.81		101	Dominican Republic	26.56	25.55	0.29	
29	Cyprus	170.62	58.50	0.80		102	TFYR of Macedonia	26.36	25.43	0.28	○
30	New Zealand	165.28	57.89	0.79		103	El Salvador	25.70	25.05	0.28	
31	Australia	159.61	57.22	0.79		104	Gambia	25.63	25.01	0.27	
32	Mauritius	156.93	56.89	0.78		105	United Arab Emirates	25.40	24.87	0.26	○
33	China	154.19	56.55	0.77		106	Côte d'Ivoire	25.32	24.83	0.26	
34	Latvia	152.97	56.40	0.77		107	Sri Lanka	23.62	23.79	0.25	
35	Trinidad and Tobago	150.53	56.09	0.76	●	108	Guatemala	23.48	23.70	0.24	
36	Montenegro	149.88	56.01	0.75	●	109	Tunisia	21.50	22.42	0.23	
37	Albania	147.90	55.76	0.74	●	110	Pakistan	19.29	20.88	0.23	
38	Estonia	144.75	55.34	0.74		111	Fiji	18.12	20.02	0.22	
39	Mongolia	138.22	54.46	0.73		112	Philippines	15.54	17.99	0.21	
40	Seychelles (2010)	130.31	53.34	0.72	●	113	Indonesia	14.31	16.93	0.21	
41	Japan	128.01	53.00	0.72		114	Senegal	14.13	16.77	0.20	
42	United Kingdom	124.48	52.47	0.71		115	Bolivia, Plurinational St.	13.33	16.05	0.19	
43	Jordan	118.97	51.61	0.70		116	Nicaragua	12.84	15.60	0.18	
44	Thailand	118.52	51.54	0.70		117	Benin	11.65	14.45	0.18	
45	Brunei Darussalam	114.45	50.88	0.69		118	Lesotho	11.56	14.37	0.17	
46	Spain	114.07	50.82	0.68		119	Rwanda	11.02	13.82	0.16	
47	Chile	114.06	50.82	0.67		120	Uzbekistan	10.77	13.56	0.16	
48	Lithuania	110.19	50.17	0.67		121	Uganda	10.26	13.02	0.15	
49	Malta	109.42	50.04	0.66		122	Paraguay	9.54	12.25	0.14	
50	Denmark	106.28	49.49	0.65		123	Bangladesh	9.42	12.12	0.13	
51	Hungary	104.95	49.25	0.65		124	Togo	8.89	11.52	0.13	
52	Guyana	99.10	48.18	0.64	●	125	Zambia	8.39	10.94	0.12	
53	Croatia	97.05	47.79	0.63		126	Burkina Faso	7.41	9.75	0.11	
54	Slovenia	93.93	47.19	0.62		127	Burundi	6.30	8.32	0.11	
55	Armenia	85.48	45.44	0.62		128	Tajikistan	5.47	7.17	0.10	
56	Moldova, Rep.	81.51	44.57	0.61		129	Mali	5.33	6.98	0.09	
57	India	78.71	43.93	0.60		130	Malawi	5.27	6.89	0.09	
58	Georgia	74.41	42.91	0.60		131	Angola	5.09	6.63	0.08	
59	Serbia	73.66	42.73	0.59		132	Tanzania, United Rep.	5.06	6.59	0.07	○
60	Slovakia	71.82	42.27	0.58		133	Yemen	4.57	5.86	0.06	
61	Turkey	71.14	42.09	0.57		134	Guinea	4.02	5.01	0.06	
62	Peru	69.89	41.78	0.57		135	Myanmar	2.99	3.31	0.05	
63	Nepal	68.56	41.43	0.56	●	136	Ethiopia	2.97	3.28	0.04	
64	Panama	67.44	41.13	0.55		137	Algeria	2.79	2.96	0.04	○
65	Uruguay	66.16	40.79	0.55		138	Cambodia	2.51	2.48	0.03	○
66	Colombia	65.59	40.63	0.54		139	Madagascar	2.48	2.41	0.02	○
67	Romania	61.56	39.51	0.53		140	Sudan	1.67	0.91	0.01	○
68	Ghana	61.39	39.46	0.52		141	Niger	1.47	0.53	0.01	○
69	Costa Rica	59.28	38.84	0.52		142	Mozambique	1.21	0.00	0.00	○
70	Russian Federation	58.63	38.64	0.51		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
71	Kazakhstan	56.78	38.08	0.50		SOURCE: Graduate Management Admission Council; United Nations, <i>World Population Prospects: The 2012 Revision</i> (population data) (2004–13)					
72	South Africa	53.53	37.05	0.50		NOTE: ● indicates a strength; ○ a weakness.					
73	Kenya	51.89	36.51	0.49							

5.2.1

University/industry research collaboration

Average answer to the survey question: In your country, to what extent do business and universities collaborate on research and development (R&D)? [1 = do not collaborate at all; 7 = collaborate extensively] | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Switzerland	5.84	80.67	1.00	●	74	Croatia	3.46	41.00	0.46	
2	Finland	5.82	80.33	0.99	●	75	Ukraine	3.44	40.67	0.45	
3	United States of America	5.74	79.00	0.99	●	76	Ghana	3.43	40.50	0.44	
4	Singapore	5.62	77.00	0.98		76	Kazakhstan	3.43	40.50	0.44	
5	United Kingdom	5.58	76.33	0.97	●	78	Seychelles	3.42	40.33	0.43	
6	Belgium	5.53	75.50	0.96	●	79	TFYR of Macedonia	3.38	39.67	0.41	
7	Qatar	5.47	74.50	0.96	●	79	Venezuela, Bolivarian Rep.	3.38	39.67	0.41	
8	Israel	5.40	73.33	0.95	●	81	Azerbaijan	3.36	39.33	0.40	
9	Germany	5.39	73.17	0.94		81	Jordan	3.36	39.33	0.40	
10	Sweden	5.34	72.33	0.93		83	Honduras	3.34	39.00	0.39	
11	Netherlands	5.25	70.83	0.93		83	Viet Nam	3.34	39.00	0.39	
12	Ireland	5.20	70.00	0.92		85	Romania	3.33	38.83	0.38	
13	Norway	5.08	68.00	0.91		86	Iran, Islamic Rep.	3.32	38.67	0.36	
14	Australia	5.06	67.67	0.90		86	Nicaragua	3.32	38.67	0.36	
15	Malaysia	5.02	67.00	0.90		88	Dominican Republic	3.31	38.50	0.36	
16	Japan	4.96	66.00	0.89		89	Nigeria	3.29	38.17	0.34	
17	Canada	4.93	65.50	0.88		89	Slovakia	3.29	38.17	0.34	
18	Luxembourg	4.90	65.00	0.87		91	Mauritius	3.28	38.00	0.33	
19	New Zealand	4.87	64.50	0.87		92	Madagascar	3.27	37.83	0.32	
20	Hong Kong (China)	4.86	64.33	0.86		92	Mozambique	3.27	37.83	0.32	
21	Denmark	4.81	63.50	0.85		94	El Salvador	3.25	37.50	0.30	
22	Austria	4.79	63.17	0.84		94	Pakistan	3.25	37.50	0.30	
22	United Arab Emirates	4.79	63.17	0.84		96	Burkina Faso	3.24	37.33	0.30	
24	Iceland	4.77	62.83	0.83		97	Botswana	3.23	37.17	0.28	
25	Korea, Rep.	4.68	61.33	0.82		97	Senegal	3.23	37.17	0.28	
26	Portugal	4.60	60.00	0.81		99	Trinidad and Tobago	3.22	37.00	0.27	
27	Lithuania	4.56	59.33	0.81		100	Cabo Verde	3.21	36.83	0.27	
28	South Africa	4.54	59.00	0.80	●	101	Serbia	3.19	36.50	0.26	○
29	Indonesia	4.49	58.17	0.79	●	102	Armenia	3.16	36.00	0.24	○
30	Saudi Arabia	4.47	57.83	0.79		102	Cambodia	3.16	36.00	0.24	
31	France	4.46	57.67	0.78		102	Swaziland	3.16	36.00	0.24	
32	China	4.41	56.83	0.76		105	Peru	3.14	35.67	0.23	
32	Costa Rica	4.41	56.83	0.76	●	106	Lebanon	3.13	35.50	0.22	○
32	Czech Republic	4.41	56.83	0.76		107	Malawi	3.10	35.00	0.21	
35	Estonia	4.39	56.50	0.75		108	Zimbabwe	3.08	34.67	0.21	
36	Bosnia and Herzegovina	4.32	55.33	0.74	●	109	Mongolia	3.05	34.17	0.19	
37	Barbados	4.28	54.67	0.73		109	Tunisia	3.05	34.17	0.19	○
37	Kenya	4.28	54.67	0.73		111	Bulgaria	3.04	34.00	0.17	○
39	Chile	4.27	54.50	0.72		111	Cameroon	3.04	34.00	0.17	
40	Hungary	4.26	54.33	0.71		111	Morocco	3.04	34.00	0.17	○
41	Panama	4.25	54.17	0.70		114	Sri Lanka	3.02	33.67	0.16	○
42	Mexico	4.08	51.33	0.70		115	Greece	3.01	33.50	0.16	
43	India	4.00	50.00	0.67		116	Kuwait	2.97	32.83	0.15	○
43	Montenegro	4.00	50.00	0.67		117	Bahrain	2.93	32.17	0.14	
43	Oman	4.00	50.00	0.67		118	Mali	2.89	31.50	0.13	
46	Brazil	3.98	49.67	0.66		119	Côte d'Ivoire	2.81	30.17	0.13	
46	Spain	3.98	49.67	0.66		120	Paraguay	2.76	29.33	0.12	
48	Ecuador	3.94	49.00	0.65	●	121	Nepal	2.75	29.17	0.11	
49	Thailand	3.92	48.67	0.64		122	Lesotho	2.72	28.67	0.10	
50	Turkey	3.86	47.67	0.64		123	Benin	2.68	28.00	0.08	
51	Colombia	3.85	47.50	0.63		123	Bhutan	2.68	28.00	0.08	○
52	Cyprus	3.79	46.50	0.62		123	Moldova, Rep.	2.68	28.00	0.08	○
53	Malta	3.77	46.17	0.61		126	Georgia	2.67	27.83	0.07	○
53	Slovenia	3.77	46.17	0.61		127	Egypt	2.65	27.50	0.07	○
55	Guatemala	3.75	45.83	0.60		128	Bangladesh	2.62	27.00	0.06	○
56	Uganda	3.73	45.50	0.59		129	Albania	2.58	26.33	0.05	○
57	Italy	3.71	45.17	0.58		130	Burundi	2.52	25.33	0.04	
57	Rwanda	3.71	45.17	0.58		131	Kyrgyzstan	2.22	20.33	0.04	○
59	Argentina	3.70	45.00	0.57		132	Guinea	2.19	19.83	0.03	
60	Guyana	3.66	44.33	0.56		133	Angola	2.18	19.67	0.02	○
61	Gambia	3.65	44.17	0.56	●	134	Yemen	2.12	18.67	0.01	○
62	Russian Federation	3.64	44.00	0.55		135	Algeria	2.11	18.50	0.01	○
63	Brunei Darussalam	3.61	43.50	0.54		136	Myanmar	2.06	17.67	0.00	○
64	Jamaica	3.60	43.33	0.52		n/a	Belarus	n/a	n/a	n/a	
64	Latvia	3.60	43.33	0.52		n/a	Fiji	n/a	n/a	n/a	
64	Uruguay	3.60	43.33	0.52		n/a	Niger	n/a	n/a	n/a	
67	Philippines	3.58	43.00	0.51		n/a	Sudan	n/a	n/a	n/a	
68	Bolivia, Plurinational St.	3.55	42.50	0.50		n/a	Tajikistan	n/a	n/a	n/a	
68	Zambia	3.55	42.50	0.50		n/a	Togo	n/a	n/a	n/a	
70	Poland	3.54	42.33	0.49		n/a	Uzbekistan	n/a	n/a	n/a	
71	Namibia	3.52	42.00	0.48							
72	Tanzania, United Rep.	3.51	41.83	0.47							
73	Ethiopia	3.49	41.50	0.47							

SOURCE: World Economic Forum, *Executive Opinion Survey 2013–2014*

NOTE: ● indicates a strength; ○ a weakness.

5.2.2

State of cluster development

Average answer to the to the survey question on the role of clusters in the economy: In your country, how widespread are well-developed and deep clusters (geographic concentrations of firms, suppliers, producers of related products and services, and specialized institutions in a particular field)? [1 = nonexistent; 7 = widespread in many fields] | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Italy	5.49	74.83	1.00	●	74	Mali	3.69	44.83	0.45	
2	United Arab Emirates	5.45	74.17	0.99	●	74	Tunisia	3.69	44.83	0.45	
3	Germany	5.38	73.00	0.99	●	76	Estonia	3.68	44.67	0.44	○
4	Switzerland	5.28	71.33	0.98		77	Malawi	3.67	44.50	0.44	
5	United States of America	5.23	70.50	0.97		78	Ghana	3.65	44.17	0.42	
6	Japan	5.22	70.33	0.96	●	78	Namibia	3.65	44.17	0.42	
7	Singapore	5.20	70.00	0.96		80	Armenia	3.63	43.83	0.41	
8	Netherlands	5.17	69.50	0.95		81	Swaziland	3.62	43.67	0.41	
9	Qatar	5.16	69.33	0.94	●	82	Dominican Republic	3.61	43.50	0.40	
10	Hong Kong (China)	5.13	68.83	0.93		83	Lesotho	3.60	43.33	0.39	
11	Finland	5.08	68.00	0.93		84	Botswana	3.58	43.00	0.39	
12	United Kingdom	5.06	67.67	0.92		85	Bolivia, Plurinational St.	3.55	42.50	0.38	
13	Malaysia	5.04	67.33	0.91		86	Kuwait	3.54	42.33	0.37	
14	Norway	5.01	66.83	0.90		87	Tanzania, United Rep.	3.52	42.00	0.36	
15	India	4.88	64.67	0.90	●	87	Trinidad and Tobago	3.52	42.00	0.36	
16	Austria	4.85	64.17	0.89		89	Cameroon	3.51	41.83	0.35	
17	Canada	4.84	64.00	0.88		90	Slovenia	3.50	41.67	0.33	
18	Sweden	4.83	63.83	0.87		90	TFYR of Macedonia	3.50	41.67	0.33	
19	Belgium	4.81	63.50	0.87		92	Romania	3.48	41.33	0.33	
20	Ireland	4.80	63.33	0.86		93	Bhutan	3.47	41.17	0.32	
21	Luxembourg	4.74	62.33	0.85		94	Uruguay	3.46	41.00	0.31	
22	Saudi Arabia	4.69	61.50	0.84	●	95	Iran, Islamic Rep.	3.44	40.67	0.30	
23	China	4.61	60.17	0.84		95	Nicaragua	3.44	40.67	0.30	
24	Brazil	4.53	58.83	0.83	●	97	Mozambique	3.43	40.50	0.29	
25	Jordan	4.50	58.33	0.82	●	98	Peru	3.42	40.33	0.28	
26	Korea, Rep.	4.46	57.67	0.81		99	Latvia	3.41	40.17	0.27	○
27	Indonesia	4.43	57.17	0.81	●	99	Poland	3.41	40.17	0.27	○
28	Turkey	4.42	57.00	0.80	●	101	Senegal	3.39	39.83	0.25	
29	France	4.41	56.83	0.79		101	Uganda	3.39	39.83	0.25	
30	Bahrain	4.35	55.83	0.79		103	Nepal	3.38	39.67	0.24	
31	Thailand	4.34	55.67	0.78		104	Bulgaria	3.33	38.83	0.24	○
32	Denmark	4.30	55.00	0.77		105	Lithuania	3.31	38.50	0.23	○
33	Mexico	4.28	54.67	0.76		106	Hungary	3.27	37.83	0.22	○
34	Australia	4.27	54.50	0.75		107	Cabo Verde	3.26	37.67	0.21	
34	Oman	4.27	54.50	0.75	●	108	Croatia	3.23	37.17	0.20	○
36	Brunei Darussalam	4.18	53.00	0.74		108	Georgia	3.23	37.17	0.20	
37	Israel	4.17	52.83	0.73		110	Argentina	3.22	37.00	0.19	
38	Portugal	4.16	52.67	0.73		110	Lebanon	3.22	37.00	0.19	○
39	South Africa	4.15	52.50	0.71		112	Algeria	3.19	36.50	0.18	
39	Spain	4.15	52.50	0.71		113	Guinea	3.17	36.17	0.16	
41	Cambodia	4.14	52.33	0.70	●	113	Montenegro	3.17	36.17	0.16	○
41	Czech Republic	4.14	52.33	0.70		115	Paraguay	3.16	36.00	0.16	
43	Costa Rica	4.12	52.00	0.68		116	Angola	3.09	34.83	0.15	
43	Guatemala	4.12	52.00	0.68	●	117	Ethiopia	3.06	34.33	0.13	
45	Egypt	4.09	51.50	0.67	●	117	Russian Federation	3.06	34.33	0.13	○
45	Zambia	4.09	51.50	0.67	●	119	Kazakhstan	3.05	34.17	0.13	○
47	Chile	4.08	51.33	0.66		120	Madagascar	2.99	33.17	0.12	
48	El Salvador	4.07	51.17	0.65	●	121	Greece	2.98	33.00	0.11	○
49	Cyprus	4.06	51.00	0.64		122	Serbia	2.96	32.67	0.10	○
50	Kenya	4.05	50.83	0.64		122	Zimbabwe	2.96	32.67	0.10	
51	Mauritius	4.04	50.67	0.63		124	Côte d'Ivoire	2.93	32.17	0.09	○
52	Iceland	4.03	50.50	0.61		125	Benin	2.88	31.33	0.08	
52	Philippines	4.03	50.50	0.61		126	Ukraine	2.87	31.17	0.07	○
54	Jamaica	4.02	50.33	0.61		127	Burkina Faso	2.85	30.83	0.07	
55	Panama	4.00	50.00	0.60		128	Yemen	2.82	30.33	0.06	
56	Guyana	3.98	49.67	0.59		129	Mongolia	2.80	30.00	0.05	○
57	Morocco	3.97	49.50	0.59		130	Burundi	2.75	29.17	0.04	
58	Sri Lanka	3.96	49.33	0.58		131	Kyrgyzstan	2.70	28.33	0.04	○
59	Pakistan	3.95	49.17	0.57	●	132	Venezuela, Bolivarian Rep.	2.66	27.67	0.03	
60	Honduras	3.94	49.00	0.56	●	133	Albania	2.49	24.83	0.02	○
61	Malta	3.91	48.50	0.56		134	Myanmar	2.45	24.17	0.01	
62	Nigeria	3.90	48.33	0.55	●	135	Moldova, Rep.	2.33	22.17	0.01	○
63	Bangladesh	3.89	48.17	0.54	●	136	Bosnia and Herzegovina	1.96	16.00	0.00	○
64	Seychelles	3.88	48.00	0.53		n/a	Belarus	n/a	n/a	n/a	
64	Viet Nam	3.88	48.00	0.53		n/a	Fiji	n/a	n/a	n/a	
66	Ecuador	3.85	47.50	0.52		n/a	Niger	n/a	n/a	n/a	
67	Rwanda	3.84	47.33	0.50		n/a	Sudan	n/a	n/a	n/a	
67	Slovakia	3.84	47.33	0.50		n/a	Tajikistan	n/a	n/a	n/a	
69	Gambia	3.83	47.17	0.50		n/a	Togo	n/a	n/a	n/a	
70	New Zealand	3.81	46.83	0.49		n/a	Uzbekistan	n/a	n/a	n/a	
71	Colombia	3.79	46.50	0.48							
72	Azerbaijan	3.78	46.33	0.47							
73	Barbados	3.77	46.17	0.47							

SOURCE: World Economic Forum, *Executive Opinion Survey 2013–2014*

NOTE: ● indicates a strength; ○ a weakness.

5.2.3 GERD financed by abroad

GERD: Financed by abroad (% of total GERD) | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Mozambique (2010)	78.14	100.00	1.00	●	74	Morocco (2010)	1.71	2.16	0.21	
2	Burkina Faso (2009)	59.61	76.27	0.99	●	75	Zambia (2008)	1.62	2.04	0.20	
3	Uganda (2010)	57.30	73.33	0.98	●	76	Australia (2008)	1.61	2.03	0.18	○
4	Guatemala	52.35	66.99	0.97	●	77	Namibia (2010)	1.53	1.94	0.17	
5	Latvia (2012)	50.39	64.48	0.96	●	78	Kuwait (2009)	1.18	1.48	0.16	○
6	Panama (2010)	49.52	63.36	0.95	●	79	Nigeria (2007)	1.04	1.30	0.15	
7	Israel (2010)	47.34	60.57	0.93		80	Thailand (2009)	1.00	1.25	0.14	○
8	Kenya (2010)	47.14	60.32	0.92	●	81	China (2012)	0.97	1.22	0.13	○
9	Bulgaria	43.93	56.21	0.91	●	82	Pakistan	0.90	1.12	0.12	
10	Tanzania, United Rep. (2010)	42.00	53.74	0.90	●	83	Kyrgyzstan	0.87	1.09	0.11	
11	Senegal (2010)	40.53	51.86	0.89	●	84	Mexico	0.69	0.86	0.10	○
12	Burundi (2008)	39.92	51.07	0.88	●	85	Turkey	0.69	0.85	0.09	○
13	Lithuania (2012)	33.33	42.64	0.87	●	86	Tajikistan (2006)	0.65	0.80	0.08	
14	Ghana (2010)	31.22	39.93	0.86	●	87	Argentina	0.52	0.64	0.07	○
15	Ethiopia (2010)	29.96	38.32	0.85	●	88	Ecuador (2008)	0.50	0.61	0.05	○
16	Czech Republic (2012)	25.92	33.16	0.84		89	Japan	0.48	0.58	0.04	○
17	Ukraine	25.84	33.05	0.83	●	90	Malaysia	0.31	0.36	0.03	○
18	Luxembourg (2010)	20.71	26.48	0.82		91	Kazakhstan	0.27	0.32	0.02	○
19	Ireland (2012)	20.41	26.09	0.80		92	Korea, Rep.	0.22	0.26	0.01	○
20	United Kingdom (2012)	19.69	25.17	0.79		93	Azerbaijan (2010)	0.02	0.00	0.00	○
21	Slovakia (2012)	18.65	23.85	0.78		n/a	Algeria	n/a	n/a	n/a	
22	El Salvador	18.06	23.08	0.77	●	n/a	Angola	n/a	n/a	n/a	
23	Malta (2012)	17.33	22.16	0.76		n/a	Bahrain	n/a	n/a	n/a	
24	Paraguay	16.86	21.55	0.75	●	n/a	Bangladesh	n/a	n/a	n/a	
25	Gambia	15.90	20.32	0.74	●	n/a	Barbados	n/a	n/a	n/a	
26	Greece (2012)	15.77	20.15	0.73		n/a	Benin	n/a	n/a	n/a	
27	Chile (2010)	15.73	20.11	0.72		n/a	Bhutan	n/a	n/a	n/a	
28	Hungary (2012)	15.40	19.68	0.71		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
29	Montenegro	15.29	19.54	0.70		n/a	Botswana	n/a	n/a	n/a	
30	Austria (2013)	15.21	19.44	0.68		n/a	Brazil	n/a	n/a	n/a	
31	Tunisia (2009)	14.95	19.10	0.67		n/a	Brunei Darussalam	n/a	n/a	n/a	
32	Romania (2012)	14.44	18.46	0.66		n/a	Cabo Verde	n/a	n/a	n/a	
33	Croatia (2012)	14.37	18.36	0.65		n/a	Cambodia	n/a	n/a	n/a	
34	Cyprus	14.07	17.99	0.64		n/a	Cameroon	n/a	n/a	n/a	
35	Poland (2012)	13.35	17.06	0.63		n/a	Côte d'Ivoire	n/a	n/a	n/a	
36	Belgium	12.96	16.56	0.62		n/a	Dominican Republic	n/a	n/a	n/a	
37	South Africa (2010)	12.07	15.42	0.61		n/a	Egypt	n/a	n/a	n/a	
38	Togo (2010)	11.68	14.92	0.60	●	n/a	Fiji	n/a	n/a	n/a	
39	Sweden	11.08	14.16	0.59	○	n/a	Georgia	n/a	n/a	n/a	
40	Netherlands	10.89	13.92	0.58	○	n/a	Guinea	n/a	n/a	n/a	
41	Madagascar (2009)	10.58	13.52	0.57	●	n/a	Guyana	n/a	n/a	n/a	
42	Estonia (2012)	9.99	12.77	0.55		n/a	Honduras	n/a	n/a	n/a	
43	Moldova, Rep.	9.36	11.95	0.54		n/a	India	n/a	n/a	n/a	
44	Italy	9.06	11.57	0.53		n/a	Indonesia	n/a	n/a	n/a	
45	Mali (2010)	8.81	11.25	0.52	●	n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
46	Finland (2012)	8.81	11.24	0.51	○	n/a	Jamaica	n/a	n/a	n/a	
47	Belarus	8.74	11.17	0.50		n/a	Jordan	n/a	n/a	n/a	
48	Slovenia (2012)	8.57	10.95	0.49		n/a	Lebanon	n/a	n/a	n/a	
49	Iceland	8.37	10.68	0.48		n/a	Malawi	n/a	n/a	n/a	
50	Norway	7.79	9.94	0.47	○	n/a	Mauritius	n/a	n/a	n/a	
51	France	7.69	9.81	0.46	○	n/a	Myanmar	n/a	n/a	n/a	
52	Albania (2008)	7.37	9.40	0.45		n/a	Nepal	n/a	n/a	n/a	
53	Denmark (2012)	7.23	9.23	0.43	○	n/a	Nicaragua	n/a	n/a	n/a	
54	Spain	6.68	8.52	0.42	○	n/a	Niger	n/a	n/a	n/a	
55	Costa Rica	6.54	8.35	0.41		n/a	Oman	n/a	n/a	n/a	
56	Uruguay	6.53	8.33	0.40		n/a	Peru	n/a	n/a	n/a	
57	New Zealand	6.32	8.07	0.39	○	n/a	Qatar	n/a	n/a	n/a	
58	Switzerland (2008)	5.95	7.59	0.38	○	n/a	Rwanda	n/a	n/a	n/a	
59	Portugal	5.88	7.50	0.37	○	n/a	Saudi Arabia	n/a	n/a	n/a	
60	Canada (2012)	5.80	7.39	0.36	○	n/a	Seychelles	n/a	n/a	n/a	
61	Serbia	5.48	6.99	0.35		n/a	Sudan	n/a	n/a	n/a	
62	Singapore	5.01	6.38	0.34	○	n/a	Swaziland	n/a	n/a	n/a	
63	Hong Kong (China) (2010)	4.92	6.27	0.33	○	n/a	TFYR of Macedonia	n/a	n/a	n/a	
64	Germany	4.18	5.33	0.32	○	n/a	Trinidad and Tobago	n/a	n/a	n/a	
65	Philippines (2007)	4.12	5.25	0.30		n/a	United Arab Emirates	n/a	n/a	n/a	
66	Russian Federation (2012)	3.97	5.05	0.29		n/a	Uzbekistan	n/a	n/a	n/a	
67	Mongolia	3.85	4.90	0.28		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	United States of America (2012)	3.80	4.83	0.27	○	n/a	Viet Nam	n/a	n/a	n/a	
69	Colombia (2012)	3.51	4.46	0.26		n/a	Yemen	n/a	n/a	n/a	
70	Lesotho	3.45	4.38	0.25		n/a	Zimbabwe	n/a	n/a	n/a	
71	Armenia	3.35	4.26	0.24							
72	Sri Lanka (2010)	2.72	3.46	0.23							
73	Bolivia, Plurinational St. (2009)	1.86	2.35	0.22							

SOURCE: UNESCO Institute for Statistics, *UIS online database* (2006–13)

NOTE: ● indicates a strength; ○ a weakness.

5.2.4

Joint venture/strategic alliance deals

Joint ventures/strategic alliances: Number of deals, fractional counting (per trillion PPP\$ GDP) | 2013

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Bahrain	.040	100.00	0.96	●	74	Lithuania	.001	6.97	0.31	
1	Jordan	.028	100.00	0.96	●	75	Spain	.001	6.75	0.30	○
1	Oman	.024	100.00	0.96	●	76	Portugal	.001	6.74	0.29	○
1	United Arab Emirates	.032	100.00	0.96	●	77	Bulgaria	.001	6.72	0.28	○
1	Zimbabwe	.020	100.00	0.96	●	78	Turkey	.001	5.90	0.27	
6	Qatar	.015	73.88	0.95	●	79	Romania	.001	5.48	0.26	
7	Barbados	.014	71.21	0.94	●	80	Kazakhstan	.001	4.67	0.25	
8	Hong Kong (China)	.014	70.22	0.93		81	Azerbaijan	.001	4.52	0.25	
9	Singapore	.014	68.27	0.92		82	Bangladesh	.001	4.16	0.24	
10	Bhutan	.013	63.47	0.92	●	83	Georgia	.001	4.12	0.23	
11	Luxembourg	.012	58.36	0.91		84	Uruguay	.001	3.98	0.22	
12	Kuwait	.012	57.50	0.90	●	85	Uzbekistan	.001	3.98	0.21	
13	Greece	.011	55.52	0.89	●	86	Ecuador	.001	3.77	0.20	
14	Ireland	.010	47.44	0.88		87	Morocco	.001	3.70	0.19	○
15	Myanmar	.009	46.21	0.87	●	88	Argentina	.001	3.64	0.18	
16	Cyprus	.009	45.98	0.86	●	89	Nigeria	.001	3.63	0.17	
17	Switzerland	.009	44.72	0.85		90	Costa Rica	.001	3.61	0.16	○
18	Canada	.009	44.39	0.84		91	Nepal	.001	3.50	0.15	
19	Mongolia	.009	43.75	0.83		92	Brazil	.001	3.11	0.14	○
20	Malta	.009	43.32	0.82		93	Algeria	.001	2.75	0.13	
21	Saudi Arabia	.008	42.01	0.81		94	Ghana	.001	2.30	0.12	
22	Kyrgyzstan	.007	34.64	0.80	●	95	Poland	.001	2.30	0.11	○
23	Denmark	.007	34.37	0.79		96	Mexico	.001	2.24	0.10	○
24	United Kingdom	.007	33.32	0.78		97	Yemen	.001	2.19	0.09	
25	Israel	.006	31.23	0.77		98	Hungary	.001	2.07	0.08	○
26	Rwanda	.006	30.19	0.76		99	Dominican Republic	.000	2.01	0.08	○
27	Australia	.006	29.53	0.75		100	Venezuela, Bolivarian Rep.	.000	1.98	0.07	
28	Zambia	.006	29.10	0.75	●	101	Pakistan	.000	1.93	0.06	○
29	Malaysia	.006	27.97	0.74		102	Tunisia	.000	1.83	0.05	○
30	Norway	.005	27.10	0.73		103	Ukraine	.000	1.75	0.04	○
31	Sweden	.005	26.72	0.72		104	Czech Republic	.000	1.27	0.03	○
32	New Zealand	.005	26.59	0.71		105	Peru	.000	0.25	0.02	○
33	Mozambique	.005	26.28	0.70	●	106	Iran, Islamic Rep.	.000	0.11	0.01	○
34	Philippines	.005	25.71	0.69	●	107	Colombia	.000	0.00	0.00	○
35	Egypt	.005	25.24	0.68	●	n/a	Albania	n/a	n/a	n/a	
36	Finland	.005	24.78	0.67		n/a	Benin	n/a	n/a	n/a	
37	United States of America	.005	24.24	0.66		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
38	Armenia	.005	23.88	0.65		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
39	Lebanon	.004	21.64	0.64		n/a	Burkina Faso	n/a	n/a	n/a	
40	Serbia	.004	21.36	0.63		n/a	Burundi	n/a	n/a	n/a	
41	Thailand	.004	19.54	0.62		n/a	Cabo Verde	n/a	n/a	n/a	
42	Netherlands	.004	18.81	0.61	○	n/a	Cameroon	n/a	n/a	n/a	
43	Croatia	.004	17.72	0.60		n/a	Côte d'Ivoire	n/a	n/a	n/a	
44	Nicaragua	.004	17.54	0.59	●	n/a	El Salvador	n/a	n/a	n/a	
45	Japan	.003	16.44	0.58		n/a	Fiji	n/a	n/a	n/a	
46	France	.003	14.93	0.58		n/a	Gambia	n/a	n/a	n/a	
47	Cambodia	.003	14.30	0.57	●	n/a	Guatemala	n/a	n/a	n/a	
48	Botswana	.003	14.29	0.56		n/a	Guinea	n/a	n/a	n/a	
49	South Africa	.003	14.27	0.55		n/a	Guyana	n/a	n/a	n/a	
50	Slovenia	.003	12.85	0.54		n/a	Honduras	n/a	n/a	n/a	
51	Mali	.003	12.80	0.53	●	n/a	Iceland	n/a	n/a	n/a	
52	Tajikistan	.003	12.73	0.52	●	n/a	Jamaica	n/a	n/a	n/a	
53	Kenya	.002	12.00	0.51		n/a	Latvia	n/a	n/a	n/a	
54	India	.002	11.89	0.50		n/a	Lesotho	n/a	n/a	n/a	
55	Belarus	.002	11.20	0.49		n/a	Madagascar	n/a	n/a	n/a	
56	Angola	.002	10.95	0.48	●	n/a	Malawi	n/a	n/a	n/a	
57	Brunei Darussalam	.002	10.80	0.47		n/a	Moldova, Rep.	n/a	n/a	n/a	
58	Viet Nam	.002	10.71	0.46		n/a	Montenegro	n/a	n/a	n/a	
59	Germany	.002	10.70	0.45	○	n/a	Namibia	n/a	n/a	n/a	
60	Sudan	.002	10.68	0.44	●	n/a	Niger	n/a	n/a	n/a	
61	Chile	.002	10.50	0.43		n/a	Panama	n/a	n/a	n/a	
62	Russian Federation	.002	10.27	0.42		n/a	Paraguay	n/a	n/a	n/a	
63	Austria	.002	10.18	0.42	○	n/a	Seychelles	n/a	n/a	n/a	
64	Belgium	.002	9.84	0.41	○	n/a	Slovakia	n/a	n/a	n/a	
65	Sri Lanka	.002	9.47	0.40		n/a	Swaziland	n/a	n/a	n/a	
66	Korea, Rep.	.002	9.22	0.39		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
67	China	.002	8.97	0.38		n/a	TFYR of Macedonia	n/a	n/a	n/a	
68	Senegal	.002	8.58	0.37		n/a	Togo	n/a	n/a	n/a	
69	Estonia	.002	7.90	0.36	○	n/a	Trinidad and Tobago	n/a	n/a	n/a	
70	Italy	.002	7.66	0.35	○	n/a	Uganda	n/a	n/a	n/a	
71	Indonesia	.002	7.63	0.34							
72	Mauritius	.002	7.51	0.33							
73	Ethiopia	.002	7.31	0.32							

SOURCE: Thomson Reuters, Thomson One Banker Private Equity, SDC Platinum database; International Monetary Fund World Economic Outlook 2013 database (PPP\$ GDP)

NOTE: ● indicates a strength; ○ a weakness.

5.2.5

Patent families filed in at least three offices

Number of patent families filed by residents in at least three offices (per billion PPP\$ GDP) | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Japan	5.35	100.00	1.00	●	74	El Salvador (2009)	0.02	5.33	0.36	
2	Korea, Rep.	5.00	98.35	0.99	●	75	Ecuador	0.02	5.24	0.35	
3	Barbados	4.81	97.36	0.98	●	76	Kenya (2004)	0.02	4.97	0.34	
4	Switzerland	4.57	96.14	0.97		77	Bulgaria	0.02	4.65	0.33	
5	Finland	3.33	88.39	0.96		78	Costa Rica (2009)	0.02	4.64	0.32	
6	Israel	2.87	84.77	0.96	●	79	Tunisia	0.02	4.56	0.32	
7	Germany	2.82	84.33	0.95	●	80	Sri Lanka	0.02	4.32	0.31	
8	Luxembourg	2.76	83.77	0.94		81	South Africa	0.02	3.92	0.30	○
9	Sweden	2.49	81.33	0.93		82	Guatemala (2007)	0.02	3.64	0.29	
10	France	1.59	70.62	0.92	●	83	Dominican Republic (2006)	0.02	3.59	0.28	
11	United States of America	1.59	70.59	0.91		84	India	0.01	3.39	0.27	
12	Netherlands	1.53	69.64	0.90		85	Uzbekistan (2008)	0.01	3.24	0.26	
13	Austria	1.50	69.25	0.89		86	Thailand	0.01	3.17	0.25	
14	Seychelles	1.47	68.68	0.89	●	87	Philippines	0.01	3.17	0.25	
15	Denmark	1.23	64.67	0.88		88	Myanmar (2008)	0.01	2.99	0.24	
16	Singapore	1.11	62.26	0.87		89	Azerbaijan (2009)	0.01	2.75	0.23	
17	Belgium	1.10	62.07	0.86		90	Colombia	0.01	2.70	0.22	
18	Canada	1.00	59.92	0.85		91	Venezuela, Bolivarian Rep.	0.01	2.68	0.21	
19	United Kingdom	1.00	59.81	0.84		92	Chile	0.01	2.57	0.20	○
20	Australia	0.95	58.66	0.83		93	Ukraine	0.01	2.33	0.19	○
21	Malta	0.86	56.37	0.82		94	Kuwait	0.01	1.84	0.18	
22	Norway	0.83	55.71	0.82		95	Belarus	0.01	1.82	0.18	○
23	Ireland	0.75	53.38	0.81		96	Morocco (2009)	0.01	1.66	0.17	○
24	Italy	0.65	50.37	0.80		97	Viet Nam	0.01	1.65	0.16	
25	Estonia	0.49	44.10	0.79		98	Kazakhstan (2006)	0.01	1.59	0.15	○
26	Cyprus	0.48	43.75	0.78		99	Egypt	0.00	0.98	0.14	
27	New Zealand	0.36	38.14	0.77		100	Algeria	0.00	0.98	0.13	
28	Hong Kong (China)	0.31	35.16	0.76		101	Peru	0.00	0.88	0.12	○
29	Burundi (2004)	0.30	34.52	0.75	●	102	Nigeria	0.00	0.65	0.11	
30	Spain	0.22	29.25	0.75		103	Pakistan (2006)	0.00	0.61	0.11	
31	Slovenia	0.20	26.94	0.74		104	Iran, Islamic Rep. (2009)	0.00	0.28	0.10	
32	Swaziland (2006)	0.19	26.74	0.73	●	105	Indonesia	0.00	0.24	0.09	○
33	Montenegro (2006)	0.18	25.58	0.72		106	Bangladesh	0.00	0.00	0.00	○
34	Hungary	0.17	24.78	0.71		106	Benin	0.00	0.00	0.00	○
35	Iceland	0.17	24.75	0.70		106	Botswana	0.00	0.00	0.00	○
36	China	0.17	24.71	0.69		106	Côte d'Ivoire	0.00	0.00	0.00	○
37	Czech Republic	0.14	21.70	0.68		106	Ghana	0.00	0.00	0.00	○
38	Trinidad and Tobago (2007)	0.12	19.41	0.68		106	Jamaica	0.00	0.00	0.00	○
39	Mauritius	0.11	18.55	0.67		106	Kyrgyzstan	0.00	0.00	0.00	○
40	Portugal	0.11	17.85	0.66		106	Nicaragua	0.00	0.00	0.00	○
41	Niger (2008)	0.10	17.36	0.65	●	106	TFYR of Macedonia	0.00	0.00	0.00	○
42	Mongolia (2009)	0.10	16.94	0.64		106	Zimbabwe	0.00	0.00	0.00	○
43	Panama (2009)	0.10	16.94	0.63		n/a	Angola	n/a	n/a	n/a	
44	Guinea (2009)	0.10	16.68	0.62	●	n/a	Bhutan	n/a	n/a	n/a	
45	Latvia (2009)	0.09	16.46	0.61		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
46	Slovakia	0.09	16.18	0.61		n/a	Burkina Faso	n/a	n/a	n/a	
47	Croatia	0.09	16.13	0.60		n/a	Cabo Verde	n/a	n/a	n/a	
48	Moldova, Rep.	0.09	16.09	0.59		n/a	Cambodia	n/a	n/a	n/a	
49	Poland	0.08	14.87	0.58		n/a	Ethiopia	n/a	n/a	n/a	
50	Namibia	0.07	12.92	0.57		n/a	Fiji	n/a	n/a	n/a	
51	Uruguay	0.06	12.29	0.56		n/a	Gambia	n/a	n/a	n/a	
52	Albania (2004)	0.06	12.25	0.55		n/a	Guyana	n/a	n/a	n/a	
53	Armenia	0.06	11.62	0.54		n/a	Honduras	n/a	n/a	n/a	
54	Jordan	0.06	11.20	0.54		n/a	Lesotho	n/a	n/a	n/a	
55	Brunei Darussalam	0.05	10.04	0.53		n/a	Madagascar	n/a	n/a	n/a	
56	Georgia (2009)	0.05	9.75	0.52		n/a	Malawi	n/a	n/a	n/a	
57	Russian Federation	0.04	8.73	0.51		n/a	Mali	n/a	n/a	n/a	
58	Oman (2005)	0.04	8.16	0.50		n/a	Mozambique	n/a	n/a	n/a	
59	Brazil	0.04	8.10	0.49		n/a	Nepal	n/a	n/a	n/a	
60	Bahrain (2008)	0.04	7.79	0.48		n/a	Paraguay	n/a	n/a	n/a	
61	Greece	0.04	7.64	0.47		n/a	Qatar	n/a	n/a	n/a	
62	Lithuania	0.04	7.49	0.46		n/a	Rwanda	n/a	n/a	n/a	
63	United Arab Emirates	0.04	7.45	0.46		n/a	Senegal	n/a	n/a	n/a	
64	Lebanon	0.03	7.27	0.45		n/a	Sudan	n/a	n/a	n/a	
65	Argentina	0.03	6.73	0.44		n/a	Tajikistan	n/a	n/a	n/a	
66	Saudi Arabia	0.03	6.64	0.43		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
67	Turkey	0.03	6.11	0.42		n/a	Togo	n/a	n/a	n/a	
68	Malaysia	0.03	6.09	0.41		n/a	Uganda	n/a	n/a	n/a	
69	Romania	0.03	6.01	0.40		n/a	Yemen	n/a	n/a	n/a	
70	Serbia (2009)	0.03	5.95	0.39		n/a	Zambia	n/a	n/a	n/a	
71	Cameroon (2006)	0.03	5.90	0.39							
72	Bolivia, Plurinational St. (2006)	0.03	5.87	0.38							
73	Mexico	0.02	5.36	0.37							

SOURCE: World Intellectual Property Organization, *WIPO Statistics Database*;
International Monetary Fund *World Economic Outlook 2013* (PPP\$ GDP) (2006–12)

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Ireland	20.44	100.00	0.98	●	74	Madagascar (2011)	0.25	7.87	0.42	
1	Singapore	3.15	100.00	0.98	●	75	Latvia	0.25	7.75	0.41	
1	Switzerland (2011)	5.54	100.00	0.98	●	76	Bolivia, Plurinational St. (2011)	0.23	7.35	0.40	
4	Netherlands	3.12	98.93	0.98	●	77	Mauritius	0.23	7.25	0.40	
5	Argentina	2.43	77.04	0.97	●	78	Belarus	0.21	6.73	0.39	
6	Japan	2.07	65.61	0.96		79	Cameroon (2010)	0.19	6.11	0.38	
7	Guyana (2010)	2.02	64.04	0.95	●	80	Uruguay	0.19	6.08	0.37	
8	Canada	1.91	60.57	0.94		81	Kazakhstan	0.19	5.99	0.37	
9	South Africa	1.77	56.02	0.94	●	82	Iran, Islamic Rep. (2010)	0.19	5.86	0.36	
10	New Zealand	1.76	55.87	0.93		83	Botswana	0.18	5.81	0.35	
11	United States of America	1.72	54.44	0.92		84	Uganda	0.18	5.81	0.34	
12	Russian Federation	1.47	46.53	0.91	●	85	Slovakia	0.17	5.47	0.33	
13	Finland	1.35	42.83	0.90		86	Côte d'Ivoire (2010)	0.15	4.77	0.33	
14	Australia	1.33	42.14	0.90		87	Panama	0.15	4.74	0.32	
15	Thailand	1.32	41.99	0.89	●	88	Benin (2010)	0.15	4.64	0.31	
16	Korea, Rep.	1.31	41.44	0.88		89	Kyrgyzstan (2011)	0.15	4.61	0.30	
17	Iceland (2011)	1.26	40.08	0.87		90	Senegal (2010)	0.14	4.44	0.29	
18	Brazil	1.26	39.97	0.87	●	91	Burundi (2011)	0.14	4.41	0.29	
19	Slovenia	1.24	39.19	0.86		92	Morocco	0.14	4.29	0.28	
20	Malta	1.17	37.19	0.85		93	Algeria (2011)	0.14	4.27	0.27	
21	Israel	1.17	36.97	0.84		94	Brunei Darussalam (2009)	0.13	4.11	0.26	
22	Croatia	1.16	36.85	0.83	●	95	Mozambique	0.13	4.02	0.25	
23	Denmark	1.13	35.82	0.83		96	Cambodia	0.12	3.90	0.25	
24	Hungary	1.09	34.51	0.82		97	Kenya (2011)	0.12	3.75	0.24	
25	France	1.09	34.51	0.81		98	Montenegro (2011)	0.12	3.74	0.23	○
26	Italy	1.05	33.27	0.80		99	Mongolia	0.12	3.72	0.22	
27	United Kingdom	1.04	32.92	0.79		100	Lithuania	0.11	3.50	0.21	○
28	Poland	1.01	32.16	0.79		101	Niger (2009)	0.11	3.44	0.21	
29	Sweden	0.98	31.11	0.78		102	Bosnia and Herzegovina	0.11	3.39	0.20	
30	Serbia	0.95	30.00	0.77		103	Togo (2010)	0.11	3.34	0.19	
31	Chile	0.94	29.84	0.76		104	Seychelles (2011)	0.10	3.26	0.18	○
32	Barbados (2010)	0.91	28.84	0.75		105	Azerbaijan	0.10	3.25	0.17	
33	Indonesia	0.85	26.92	0.75	●	106	Georgia	0.10	3.16	0.17	○
34	China	0.83	26.35	0.74		107	Lebanon (2011)	0.09	2.68	0.16	○
35	India	0.80	25.43	0.73		108	Namibia	0.08	2.61	0.15	
36	Austria	0.77	24.25	0.72		109	Mali (2010)	0.07	2.04	0.14	
37	Jamaica	0.76	24.13	0.71	●	110	Zambia (2011)	0.06	1.98	0.13	
38	Ukraine	0.76	23.94	0.71		111	Tunisia (2011)	0.05	1.55	0.13	○
39	Colombia	0.75	23.82	0.70		112	Fiji (2010)	0.05	1.51	0.12	○
40	Guatemala	0.75	23.76	0.69	●	113	Yemen (2011)	0.05	1.46	0.11	
41	Germany	0.73	23.14	0.68		114	Guinea (2011)	0.04	1.14	0.10	
42	Philippines	0.72	22.73	0.67	●	115	Bangladesh (2011)	0.03	1.00	0.10	
43	Swaziland (2010)	0.70	22.17	0.67	●	116	Ethiopia	0.03	0.81	0.09	
44	Luxembourg	0.67	21.20	0.66		117	Paraguay (2011)	0.02	0.59	0.08	○
45	Belgium	0.65	20.62	0.65		118	Malawi (2011)	0.02	0.59	0.07	○
46	Romania	0.62	19.75	0.64		119	Sudan (2011)	0.01	0.41	0.06	
47	Malaysia	0.62	19.63	0.63		120	Nicaragua	0.01	0.35	0.06	○
48	Greece	0.57	17.94	0.63		121	Cabo Verde	0.01	0.20	0.05	○
49	Czech Republic	0.55	17.41	0.62		122	Bhutan	0.01	0.17	0.04	○
50	Portugal	0.55	17.32	0.61		123	Angola (2011)	0.01	0.14	0.03	
51	El Salvador	0.53	16.83	0.60		124	Rwanda (2011)	0.01	0.14	0.02	○
52	Spain	0.53	16.75	0.60		125	Burkina Faso (2010)	0.01	0.12	0.02	○
53	Peru (2011)	0.46	14.56	0.59		126	Tanzania, United Rep. (2011)	0.00	0.09	0.01	○
54	Bulgaria	0.46	14.55	0.58		127	Tajikistan (2011)	0.00	0.00	0.00	○
55	Costa Rica	0.46	14.54	0.57		n/a	Armenia	n/a	n/a	n/a	
56	Venezuela, Bolivarian Rep.	0.45	14.31	0.56		n/a	Bahrain	n/a	n/a	n/a	
57	TFYR of Macedonia	0.45	14.29	0.56		n/a	Gambia	n/a	n/a	n/a	
58	Albania	0.45	14.21	0.55		n/a	Ghana	n/a	n/a	n/a	
59	Egypt (2011)	0.43	13.65	0.54		n/a	Jordan	n/a	n/a	n/a	
60	Pakistan	0.43	13.56	0.53		n/a	Kuwait	n/a	n/a	n/a	
61	Dominican Republic (2011)	0.42	13.33	0.52		n/a	Mexico	n/a	n/a	n/a	
62	Moldova, Rep.	0.41	12.86	0.52		n/a	Myanmar	n/a	n/a	n/a	
63	Hong Kong (China) (2011)	0.38	12.10	0.51		n/a	Nepal	n/a	n/a	n/a	
64	Honduras	0.36	11.32	0.50	●	n/a	Oman	n/a	n/a	n/a	
65	Trinidad and Tobago (2011)	0.34	10.63	0.49		n/a	Qatar	n/a	n/a	n/a	
66	Ecuador	0.33	10.58	0.48		n/a	Saudi Arabia	n/a	n/a	n/a	
67	Turkey	0.33	10.35	0.48		n/a	Sri Lanka	n/a	n/a	n/a	
68	Norway	0.32	10.27	0.47	○	n/a	United Arab Emirates	n/a	n/a	n/a	
69	Cyprus (2011)	0.31	9.93	0.46		n/a	Uzbekistan	n/a	n/a	n/a	
70	Nigeria	0.29	9.15	0.45		n/a	Viet Nam	n/a	n/a	n/a	
71	Estonia	0.28	8.84	0.44	○						
72	Lesotho (2011)	0.27	8.66	0.44							
73	Zimbabwe (2011)	0.26	8.29	0.43							

SOURCE: World Trade Organization, *Trade in Commercial Services* database, based on the International Monetary Fund *Balance of Payments* database (2007–12)

NOTE: ● indicates a strength; ○ a weakness.

5.3.2 High-tech imports

High-tech net imports (% of total trade) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	41.79	100.00	0.99	●	74	Namibia	6.68	23.42	0.42	
1	Malaysia	22.09	100.00	0.99	●	75	Tanzania, United Rep.	6.63	23.20	0.41	
3	Costa Rica	21.78	98.46	0.98	●	76	Georgia	6.56	22.84	0.40	
4	Panama (2011)	21.31	96.12	0.98	●	77	Egypt	6.46	22.33	0.39	
5	Singapore	20.08	90.02	0.97		78	Portugal	6.45	22.30	0.38	○
6	Paraguay	19.93	89.28	0.96	●	79	Latvia	6.44	22.23	0.38	○
7	Viet Nam	18.90	84.15	0.95	●	80	Honduras	6.39	22.00	0.37	
8	China	18.30	81.18	0.94	●	81	TFYR of Macedonia	6.17	20.89	0.36	
9	Mexico	16.88	74.14	0.94	●	82	Ireland	6.05	20.29	0.35	○
10	Czech Republic	16.20	70.77	0.93	●	83	Spain	6.02	20.15	0.34	○
11	United States of America	15.94	69.43	0.92		84	Bhutan (2011)	6.01	20.10	0.34	
12	Kenya (2010)	15.46	67.05	0.91	●	85	Dominican Republic	6.01	20.09	0.33	
13	Thailand	14.53	62.47	0.90	●	86	Norway	5.89	19.52	0.32	○
14	Hungary	14.12	60.41	0.90	●	87	Ethiopia	5.88	19.44	0.31	
15	Slovakia	13.60	57.84	0.89	●	88	Iceland	5.82	19.16	0.30	○
16	Malawi (2011)	13.23	55.98	0.88	●	89	Saudi Arabia	5.80	19.06	0.30	○
17	Japan	13.21	55.88	0.87		90	Bosnia and Herzegovina	5.74	18.76	0.29	
18	Colombia	13.04	55.06	0.86	●	91	Algeria	5.68	18.49	0.28	
19	Malta	12.95	54.60	0.86		92	Slovenia	5.67	18.40	0.27	○
20	Korea, Rep.	12.21	50.92	0.85		93	United Arab Emirates (2008)	5.46	17.36	0.26	○
21	Netherlands	12.21	50.91	0.84		94	Jordan	5.39	17.01	0.26	○
22	Estonia	11.98	49.75	0.83		95	Kazakhstan	5.32	16.70	0.25	
23	France	11.94	49.56	0.82		96	Kyrgyzstan	5.26	16.36	0.24	
24	Brazil	11.34	46.60	0.82	●	97	Mauritius	5.25	16.34	0.23	○
25	United Kingdom	10.85	44.16	0.81		98	Sri Lanka	4.97	14.92	0.22	
26	Argentina	10.60	42.92	0.80	●	99	Mongolia (2007)	4.95	14.84	0.22	
27	Rwanda	10.16	40.72	0.79	●	100	Trinidad and Tobago (2010)	4.93	14.72	0.21	
28	Australia	10.06	40.22	0.78		101	Niger	4.89	14.52	0.20	
29	Canada	10.04	40.15	0.78		102	Togo	4.87	14.42	0.19	
30	Cabo Verde	9.95	39.71	0.77	●	103	Burkina Faso (2011)	4.84	14.28	0.18	
31	Burundi (2010)	9.81	38.99	0.76	●	104	Côte d'Ivoire	4.71	13.65	0.18	
32	New Zealand	9.79	38.88	0.75		105	Luxembourg	4.62	13.20	0.17	○
33	South Africa	9.76	38.73	0.74		106	Cyprus	4.58	13.02	0.16	○
34	Chile	9.70	38.47	0.74		107	Lithuania	4.53	12.73	0.15	○
35	Sweden	9.65	38.19	0.73		108	Montenegro	4.48	12.49	0.14	○
36	Germany	9.57	37.82	0.72		109	Zambia (2011)	4.31	11.68	0.14	
37	Israel	9.46	37.24	0.71		110	Madagascar	4.27	11.44	0.13	
38	Indonesia	9.42	37.03	0.70		111	Bahrain (2011)	4.24	11.30	0.12	○
39	Romania	9.26	36.28	0.70		112	Belarus	4.15	10.87	0.11	○
40	Tunisia (2011)	9.25	36.22	0.69		113	Brunei Darussalam	4.07	10.44	0.10	○
41	Belgium	9.18	35.83	0.68		114	Gambia (2011)	3.99	10.06	0.10	
42	Ecuador	9.10	35.48	0.67	●	115	Azerbaijan	3.98	9.99	0.09	○
43	Poland	8.94	34.66	0.66		116	Senegal	3.82	9.23	0.08	○
44	Nepal (2011)	8.93	34.62	0.66	●	117	Iran, Islamic Rep. (2011)	3.55	7.89	0.07	
45	El Salvador	8.86	34.25	0.65	●	118	Jamaica	3.43	7.29	0.06	○
46	Guatemala	8.56	32.79	0.64	●	119	Oman	3.39	7.09	0.06	○
47	Bulgaria	8.49	32.45	0.63		120	Albania	3.36	6.91	0.05	○
48	Fiji	8.49	32.43	0.62		121	Mozambique	3.04	5.32	0.04	○
49	Uganda	8.47	32.34	0.62	●	122	Nigeria	3.03	5.32	0.03	○
50	Guyana	8.44	32.19	0.61		123	Lebanon (2011)	2.72	3.76	0.02	○
51	Peru	8.37	31.85	0.60		124	Yemen	2.55	2.91	0.02	
52	Turkey	8.36	31.79	0.59		125	Cambodia	2.27	1.54	0.01	○
53	Austria	8.32	31.58	0.58		126	Myanmar (2010)	1.96	0.00	0.00	○
54	Mali	8.16	30.80	0.58	●	n/a	Angola	n/a	n/a	n/a	
55	Uruguay	8.07	30.32	0.57		n/a	Bangladesh	n/a	n/a	n/a	
56	Switzerland	7.97	29.86	0.56		n/a	Barbados	n/a	n/a	n/a	
57	Pakistan	7.80	29.01	0.55	●	n/a	Benin	n/a	n/a	n/a	
58	Sudan (2011)	7.79	28.96	0.54	●	n/a	Botswana	n/a	n/a	n/a	
59	Russian Federation	7.47	27.36	0.54		n/a	Cameroon	n/a	n/a	n/a	
60	Italy	7.46	27.29	0.53		n/a	Guinea	n/a	n/a	n/a	
61	Finland	7.37	26.89	0.52	○	n/a	Kuwait	n/a	n/a	n/a	
62	Serbia	7.18	25.91	0.51		n/a	Lesotho	n/a	n/a	n/a	
63	Zimbabwe	7.12	25.62	0.50		n/a	Morocco	n/a	n/a	n/a	
64	Moldova, Rep.	7.00	25.04	0.50		n/a	Philippines	n/a	n/a	n/a	
65	Nicaragua	6.98	24.94	0.49		n/a	Qatar	n/a	n/a	n/a	
66	Bolivia, Plurinational St.	6.94	24.73	0.48		n/a	Seychelles	n/a	n/a	n/a	
67	Ghana	6.88	24.41	0.47		n/a	Swaziland	n/a	n/a	n/a	
68	Armenia	6.86	24.31	0.46		n/a	Tajikistan	n/a	n/a	n/a	
69	Croatia	6.78	23.94	0.46		n/a	Uzbekistan	n/a	n/a	n/a	
70	Denmark	6.77	23.87	0.45	○	n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
71	Greece	6.75	23.81	0.44		SOURCE: United Nations, COMTRADE database; Eurostat 'High-technology' aggregations based on SITC Rev. 4, April 2009 (2007–12)					
72	Ukraine	6.71	23.59	0.43		NOTE: ● indicates a strength; ○ a weakness.					
73	India	6.69	23.46	0.42							

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Fiji (2010)	4.52	100.00	1.00	●	74	Colombia	0.71	14.82	0.47	
2	Gambia (2009)	3.23	71.20	0.99	●	75	India	0.71	14.71	0.46	
3	Finland	3.17	69.73	0.99		76	Bolivia, Plurinational St. (2011)	0.69	14.43	0.45	
4	Luxembourg	2.71	59.48	0.98	●	77	Saudi Arabia	0.69	14.28	0.45	
5	Guyana (2010)	2.60	57.07	0.97	●	78	Indonesia	0.68	14.16	0.44	
6	Sweden	2.57	56.36	0.96		79	Nigeria	0.68	14.06	0.43	
7	Mali (2010)	2.45	53.66	0.96	●	80	Costa Rica	0.66	13.74	0.42	
8	Ethiopia	2.39	52.34	0.95	●	81	Honduras	0.65	13.49	0.42	
9	Benin (2010)	2.23	48.69	0.94	●	82	Nicaragua	0.64	13.27	0.41	
10	Burkina Faso (2010)	2.16	47.13	0.93	●	83	El Salvador	0.64	13.18	0.40	
11	Senegal (2010)	2.05	44.70	0.93	●	84	Iran, Islamic Rep. (2010)	0.61	12.57	0.39	
12	Barbados (2010)	1.86	40.53	0.92	●	85	Singapore (2008)	0.60	12.33	0.39	○
13	Slovenia	1.84	40.10	0.91	●	86	Australia	0.60	12.25	0.38	○
14	Belgium	1.83	39.82	0.91		87	Japan	0.59	12.10	0.37	○
15	Croatia	1.82	39.52	0.90	●	88	Guinea (2011)	0.59	12.10	0.36	●
16	United Kingdom	1.79	39.02	0.89		89	Ukraine	0.54	11.06	0.36	
17	Montenegro (2011)	1.76	38.30	0.88	●	90	Namibia (2011)	0.54	10.96	0.35	
18	Serbia (2011)	1.76	38.19	0.88	●	91	Venezuela, Bolivarian Rep.	0.54	10.91	0.34	
19	Italy	1.74	37.84	0.87	●	92	Lithuania	0.53	10.84	0.34	
20	Germany	1.70	37.00	0.86		93	Lesotho (2011)	0.52	10.51	0.33	
21	Denmark	1.70	36.85	0.85		94	Cambodia	0.51	10.43	0.32	
22	Malta	1.70	36.84	0.85		95	Bhutan	0.50	10.13	0.31	
23	Estonia	1.69	36.78	0.84		96	Philippines	0.50	10.11	0.31	
24	Niger (2010)	1.69	36.77	0.83	●	97	Dominican Republic (2011)	0.50	10.04	0.30	
25	Norway	1.68	36.55	0.82		98	Hong Kong (China) (2011)	0.48	9.76	0.29	○
26	Moldova, Rep.	1.68	36.49	0.82		99	Azerbaijan	0.47	9.55	0.28	
27	Madagascar (2011)	1.67	36.35	0.81	●	100	Kenya (2011)	0.47	9.36	0.28	
28	Jamaica	1.66	35.95	0.80	●	101	Kyrgyzstan	0.44	8.77	0.27	
29	Brazil	1.64	35.48	0.80	●	102	Georgia	0.44	8.77	0.26	
30	Togo (2010)	1.59	34.37	0.79	●	103	Guatemala	0.43	8.48	0.26	
31	Nepal (2011)	1.56	33.88	0.78	●	104	South Africa	0.43	8.48	0.25	○
32	Iceland (2011)	1.56	33.71	0.77		105	Tunisia (2011)	0.40	7.95	0.24	
33	Netherlands	1.54	33.33	0.77		106	Slovakia	0.40	7.92	0.23	○
34	Burundi (2011)	1.52	32.89	0.76	●	107	Morocco (2011)	0.40	7.89	0.23	
35	Cabo Verde	1.47	31.67	0.75	●	108	Uruguay	0.39	7.74	0.22	
36	New Zealand	1.44	31.07	0.74		109	Sri Lanka	0.39	7.56	0.21	
37	Czech Republic	1.42	30.57	0.74		110	Belarus	0.39	7.55	0.20	
38	Qatar	1.42	30.57	0.73		111	Malawi (2011)	0.38	7.54	0.20	
39	Cyprus	1.42	30.57	0.72		112	Botswana	0.37	7.32	0.19	
40	Greece	1.41	30.53	0.72		113	Tanzania, United Rep. (2011)	0.35	6.69	0.18	
41	Latvia	1.41	30.43	0.71		114	Korea, Rep.	0.33	6.23	0.18	○
42	Lebanon (2011)	1.38	29.83	0.70		115	Israel	0.32	6.03	0.17	○
43	United States of America (2011)	1.38	29.82	0.69		116	Kazakhstan	0.32	6.03	0.16	○
44	Austria	1.37	29.52	0.69		117	Kuwait (2011)	0.30	5.68	0.15	○
45	TFYR of Macedonia	1.34	28.85	0.68		118	Bahrain (2011)	0.30	5.56	0.15	
46	France	1.31	28.18	0.67		119	Yemen (2011)	0.29	5.51	0.14	
47	Spain	1.29	27.75	0.66		120	Cameroon (2010)	0.29	5.43	0.13	
48	Argentina	1.29	27.74	0.66		121	Brunei Darussalam (2009)	0.27	5.00	0.12	○
49	Tajikistan (2011)	1.24	26.54	0.65	●	122	Sudan	0.26	4.76	0.12	
50	Portugal	1.22	26.10	0.64		123	China	0.26	4.69	0.11	○
51	Albania	1.19	25.53	0.64		124	Algeria (2011)	0.21	3.73	0.10	
52	Romania	1.17	25.09	0.63		125	Zambia (2011)	0.21	3.66	0.09	
53	Mauritius	1.16	24.81	0.62		126	Zimbabwe (2011)	0.21	3.57	0.09	
54	Uganda	1.15	24.54	0.61		127	Switzerland	0.20	3.37	0.08	○
55	Poland	1.14	24.47	0.61		128	Panama	0.20	3.34	0.07	○
56	Malaysia	1.11	23.76	0.60		129	Thailand	0.19	3.14	0.07	○
57	Russian Federation	1.10	23.59	0.59		130	Swaziland (2008)	0.18	2.95	0.06	○
58	Ireland	1.09	23.22	0.58		131	Turkey	0.17	2.67	0.05	○
59	Hungary	1.07	22.81	0.58		132	Oman	0.16	2.48	0.04	○
60	Mongolia	1.06	22.69	0.57		133	Bangladesh (2011)	0.10	1.08	0.04	○
61	Pakistan	1.01	21.45	0.56	●	134	Seychelles (2011)	0.08	0.67	0.03	○
62	Mozambique	1.01	21.41	0.55		135	Ecuador	0.06	0.33	0.02	○
63	Canada (2011)	1.00	21.34	0.55	○	136	Paraguay (2011)	0.05	0.03	0.01	○
64	Rwanda (2011)	0.91	19.19	0.54		137	Viet Nam	0.05	0.01	0.01	○
65	Bosnia and Herzegovina	0.89	18.83	0.53		138	Mexico	0.05	0.00	0.00	○
66	Trinidad and Tobago (2011)	0.88	18.69	0.53		n/a	Ghana	n/a	n/a	n/a	
67	Bulgaria	0.87	18.48	0.52		n/a	Jordan	n/a	n/a	n/a	
68	Chile	0.83	17.54	0.51		n/a	Myanmar	n/a	n/a	n/a	
69	Egypt (2011)	0.82	17.37	0.50		n/a	United Arab Emirates	n/a	n/a	n/a	
70	Peru (2011)	0.80	16.79	0.50		n/a	Uzbekistan	n/a	n/a	n/a	
71	Côte d'Ivoire (2010)	0.78	16.30	0.49	●	SOURCE: World Trade Organization, <i>Trade in Commercial Services</i> database, based on the International Monetary Fund <i>Balance of Payments</i> database (2007–12)					
72	Angola (2011)	0.72	15.01	0.48	●	NOTE: ● indicates a strength; ○ a weakness.					
73	Armenia	0.71	14.88	0.47							

5.3.4 Foreign direct investment net inflows

Foreign direct investment (FDI), net inflows (% of GDP) | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank	Rank	Country/Economy	Value	Score (0–100)	Percent rank
1	Hong Kong (China)	38.65	100.00	0.98 ●	74	Canada (2012)	2.50	22.95	0.48 ○
1	Luxembourg	31.02	100.00	0.98 ●	75	Trinidad and Tobago	2.44	22.73	0.48
1	Mongolia	53.81	100.00	0.98 ●	76	Mauritius	2.43	22.68	0.47
1	Singapore (2012)	20.62	100.00	0.98 ●	77	Swaziland	2.39	22.49	0.46
5	Guinea	18.76	92.09	0.97 ●	78	Thailand (2012)	2.35	22.35	0.45
6	Niger	16.85	83.95	0.96 ●	79	Moldova, Rep. (2012)	2.33	22.25	0.45
7	Mozambique	16.54	82.66	0.96 ●	80	United Kingdom (2012)	2.28	22.04	0.44 ○
8	Ireland (2012)	15.66	78.90	0.95 ●	81	Belarus (2012)	2.28	22.03	0.43
9	Seychelles	13.09	68.00	0.94 ●	82	Guatemala	2.27	21.98	0.43
10	Montenegro	12.40	65.03	0.94 ●	83	Indonesia (2012)	2.26	21.95	0.42
11	Chile (2012)	11.31	60.40	0.93 ●	84	Croatia (2012)	2.26	21.95	0.41
12	Kyrgyzstan	11.19	59.91	0.92 ●	85	United Arab Emirates	2.20	21.71	0.40
13	Zambia	10.32	56.21	0.91 ●	86	Botswana (2012)	2.03	20.97	0.40
14	Albania (2012)	9.64	53.34	0.91 ●	87	Senegal	1.98	20.76	0.39
15	Panama (2012)	9.33	52.00	0.90 ●	88	Ethiopia	1.98	20.74	0.38
16	Madagascar	9.15	51.26	0.89 ●	89	India	1.72	19.65	0.38
17	Lebanon	8.67	49.19	0.89 ●	90	Saudi Arabia (2012)	1.71	19.63	0.37
18	Uganda (2012)	8.66	49.14	0.88 ●	91	Rwanda	1.67	19.45	0.36
19	Ghana	8.14	46.96	0.87 ●	92	Mali	1.67	19.44	0.35
20	Nicaragua (2012)	7.71	45.11	0.87 ●	93	Malawi	1.64	19.33	0.35
21	Azerbaijan (2012)	7.70	45.08	0.86 ●	94	Benin	1.62	19.25	0.34
22	Namibia	7.68	44.97	0.85 ●	95	Sri Lanka	1.62	19.21	0.33
23	Barbados	7.64	44.80	0.84 ●	96	Lithuania (2012)	1.60	19.14	0.33
24	Estonia (2012)	7.40	43.80	0.84 ●	97	Turkey (2012)	1.59	19.11	0.32
25	Brunei Darussalam	7.39	43.74	0.83 ●	98	Paraguay	1.58	19.08	0.31
26	Kazakhstan	7.10	42.50	0.82 ●	99	Norway	1.48	18.65	0.30 ○
27	Cambodia	7.03	42.22	0.82 ●	100	South Africa	1.47	18.57	0.30 ○
28	Hungary (2012)	6.77	41.11	0.81 ●	101	Switzerland (2012)	1.46	18.57	0.29 ○
29	Portugal (2012)	6.49	39.92	0.80 ●	102	Togo	1.46	18.55	0.28
30	Guyana	6.42	39.62	0.79 ●	103	Côte d'Ivoire	1.43	18.42	0.28
31	Serbia	6.24	38.86	0.79 ●	104	Cameroon	1.42	18.39	0.27
32	Viet Nam	6.01	37.88	0.78 ●	105	Romania	1.40	18.30	0.26 ○
33	Honduras	5.89	37.37	0.77 ●	106	Algeria	1.37	18.17	0.26
34	Czech Republic (2012)	5.41	35.33	0.77 ●	107	United States of America (2012)	1.31	17.92	0.25 ○
35	Fiji	5.35	35.09	0.76 ●	108	Jamaica	1.20	17.43	0.24
36	Costa Rica	5.25	34.66	0.75 ●	109	Greece (2012)	1.15	17.24	0.23
37	Lesotho	5.23	34.59	0.74 ●	110	Oman	1.13	17.13	0.23
38	Jordan	5.09	33.99	0.74 ●	111	Philippines (2012)	1.12	17.10	0.22
39	Georgia (2012)	4.98	33.51	0.73 ●	112	Mexico (2012)	1.07	16.91	0.21 ○
40	Armenia (2012)	4.93	33.32	0.72 ●	113	El Salvador	1.07	16.89	0.21
41	Sudan	4.77	32.63	0.72 ●	114	Bangladesh	1.02	16.67	0.20
42	Australia	4.77	32.60	0.71 ●	115	Kenya	0.98	16.50	0.19
43	Malta (2012)	4.72	32.41	0.70 ●	116	Tunisia	0.93	16.30	0.18 ○
44	Uruguay	4.69	32.27	0.70 ●	117	Bhutan	0.89	16.15	0.18
45	Peru	4.66	32.13	0.69 ●	118	Ecuador	0.83	15.89	0.17
46	Tanzania, United Rep.	4.59	31.85	0.68 ●	119	Iran, Islamic Rep.	0.81	15.78	0.16
47	Ukraine	4.41	31.09	0.67 ●	120	Germany (2012)	0.80	15.75	0.16 ○
48	Cyprus	4.32	30.70	0.67 ●	121	Finland (2012)	0.74	15.49	0.15 ○
49	Israel	4.29	30.58	0.66 ●	122	Sweden (2012)	0.74	15.47	0.14 ○
50	Colombia (2012)	4.28	30.53	0.65 ●	123	Poland (2012)	0.61	14.92	0.13 ○
51	Malaysia	4.17	30.06	0.65 ●	124	Venezuela, Bolivarian Rep. (2012)	0.58	14.80	0.13
52	Dominican Republic	4.12	29.87	0.64 ●	125	Austria (2012)	0.54	14.62	0.12 ○
53	Bulgaria (2012)	4.01	29.39	0.63 ●	126	Nepal	0.50	14.45	0.11
54	Zimbabwe	4.01	29.38	0.62 ●	127	Korea, Rep. (2012)	0.44	14.23	0.11 ○
55	Gambia	4.01	29.38	0.62 ●	128	Denmark (2012)	0.40	14.06	0.10 ○
56	Slovakia	3.81	28.54	0.61 ●	129	Italy (2012)	0.40	14.05	0.09 ○
57	Iceland (2012)	3.75	28.28	0.60 ●	130	Pakistan (2012)	0.37	13.91	0.09
58	Bosnia and Herzegovina (2012)	3.71	28.13	0.60 ●	131	Kuwait	0.25	13.40	0.08 ○
59	Nigeria	3.62	27.75	0.59 ●	132	Tajikistan	0.17	13.07	0.07
60	Bolivia, Plurinational St.	3.59	27.59	0.58 ●	133	Burundi	0.14	12.95	0.06
61	Brazil (2012)	3.38	26.71	0.57 ●	134	Burkina Faso	0.07	12.65	0.06 ○
62	TFYR of Macedonia (2012)	3.38	26.69	0.57 ●	135	Japan	0.00	12.35	0.05 ○
63	Latvia (2012)	3.24	26.10	0.56 ●	136	Slovenia (2012)	-0.02	12.25	0.04 ○
64	Uzbekistan	3.10	25.50	0.55 ●	137	Qatar	-0.05	12.13	0.04 ○
65	China (2012)	3.03	25.23	0.55 ●	138	Egypt	-0.20	11.47	0.03 ○
66	Cabo Verde (2012)	2.80	24.25	0.54 ●	139	Belgium (2012)	-0.40	10.66	0.02 ○
67	New Zealand	2.70	23.80	0.53 ●	140	Netherlands (2012)	-1.08	7.75	0.01 ○
68	Bahrain	2.69	23.77	0.52 ●	141	Yemen	-2.25	2.79	0.01 ○
69	Spain (2012)	2.68	23.75	0.52 ●	142	Angola	-2.90	0.00	0.00 ○
70	Argentina (2012)	2.67	23.68	0.51 ●	n/a	Myanmar	n/a	n/a	n/a
71	Russian Federation (2012)	2.55	23.19	0.50 ●					
72	Morocco	2.54	23.15	0.50 ●					
73	France (2012)	2.50	22.97	0.49 ○					

SOURCE: International Monetary Fund (with World Bank and OECD GDP estimates), extracted from World Bank *World Development Indicators* database (2007–12)

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	China	43.66	100.00	0.97	●	74	Côte d'Ivoire	0.65	3.85	0.33	
1	Japan	62.73	100.00	0.97	●	75	Yemen	0.62	3.64	0.32	
1	Korea, Rep.	92.72	100.00	0.97	●	76	Indonesia (2011)	0.48	2.80	0.31	
1	United States of America	16.55	100.00	0.97	●	77	Paraguay (2010)	0.48	2.78	0.30	
5	Germany	14.72	88.95	0.96	●	78	Hong Kong (China)	0.47	2.73	0.29	○
6	Belarus	11.57	69.90	0.95	●	79	Algeria	0.44	2.54	0.28	
7	Russian Federation	11.54	69.74	0.94	●	80	Colombia	0.43	2.49	0.28	
8	New Zealand	10.89	65.77	0.94		81	Saudi Arabia (2011)	0.42	2.44	0.27	○
9	Mongolia (2010)	10.02	60.52	0.93	●	82	Panama (2011)	0.42	2.44	0.26	
10	Finland	8.75	52.82	0.92		83	Uruguay	0.41	2.38	0.25	
11	Kyrgyzstan	8.37	50.56	0.91	●	84	Philippines	0.39	2.24	0.24	
12	Slovenia (2011)	8.15	49.18	0.90		85	Zambia	0.30	1.69	0.23	
13	Iran, Islamic Rep. (2006)	7.96	48.08	0.89	●	86	Bangladesh	0.22	1.24	0.22	
14	Moldova, Rep.	7.73	46.69	0.88	●	87	Honduras	0.21	1.19	0.21	
15	Ukraine	7.51	45.35	0.87	●	88	Ethiopia (2007)	0.19	1.08	0.20	
16	Armenia	7.05	42.54	0.86	●	89	Madagascar	0.19	1.04	0.19	
17	Denmark	6.75	40.74	0.85		90	Dominican Republic	0.18	1.02	0.18	
18	United Kingdom	6.65	40.11	0.84		91	Pakistan	0.18	0.96	0.17	
19	Kazakhstan (2011)	6.61	39.92	0.83	●	92	Cyprus	0.17	0.94	0.17	○
20	France	6.50	39.21	0.83		93	Tajikistan	0.17	0.94	0.16	
21	Austria	6.36	38.41	0.82		94	Costa Rica	0.17	0.94	0.15	○
22	Sweden	5.94	35.84	0.81		95	Uganda (2007)	0.17	0.93	0.14	
23	Poland	5.57	33.57	0.80		96	Peru	0.17	0.91	0.13	○
24	Georgia	5.29	31.91	0.79		97	Nicaragua	0.15	0.82	0.12	
25	Latvia	5.23	31.57	0.78		98	Barbados (2008)	0.15	0.79	0.11	○
26	Montenegro	5.13	30.91	0.77	●	99	Mauritius (2008)	0.12	0.64	0.10	○
27	Israel	5.06	30.49	0.76		100	Albania (2011)	0.12	0.63	0.09	○
28	Italy	4.65	28.06	0.75		101	Burkina Faso (2010)	0.10	0.49	0.08	
29	Switzerland	4.12	24.84	0.74		102	Bahrain	0.09	0.45	0.07	○
30	Turkey	4.00	24.09	0.73		103	Guatemala	0.09	0.45	0.06	○
31	Romania	3.77	22.68	0.72		104	Venezuela, Bolivarian Rep. (2011)	0.09	0.44	0.06	
32	Norway	3.68	22.18	0.72		105	Bosnia and Herzegovina	0.06	0.29	0.05	○
33	Hungary	3.57	21.52	0.71		106	Sudan (2007)	0.04	0.14	0.04	
34	Netherlands	3.41	20.55	0.70		107	Trinidad and Tobago (2008)	0.04	0.13	0.03	○
35	Singapore	3.35	20.15	0.69		108	Ecuador (2010)	0.03	0.09	0.02	○
36	Canada	3.20	19.23	0.68		109	Cambodia	0.03	0.07	0.01	○
37	Czech Republic	3.06	18.39	0.67		110	Qatar	0.02	0.00	0.00	○
38	Iceland	2.91	17.54	0.66		n/a	Angola	n/a	n/a	n/a	
39	Croatia	2.80	16.83	0.65		n/a	Benin	n/a	n/a	n/a	
40	Australia	2.73	16.44	0.64		n/a	Bhutan	n/a	n/a	n/a	
41	Rwanda	2.66	16.01	0.63		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
42	Ireland	2.64	15.84	0.62		n/a	Botswana	n/a	n/a	n/a	
43	Luxembourg	2.60	15.65	0.61		n/a	Brunei Darussalam	n/a	n/a	n/a	
44	Portugal	2.54	15.28	0.61		n/a	Burundi	n/a	n/a	n/a	
45	Uzbekistan	2.48	14.89	0.60	●	n/a	Cabo Verde	n/a	n/a	n/a	
46	Serbia	2.47	14.83	0.59		n/a	Cameroon	n/a	n/a	n/a	
47	Bulgaria	2.39	14.33	0.58		n/a	El Salvador	n/a	n/a	n/a	
48	Spain	2.35	14.14	0.57		n/a	Fiji	n/a	n/a	n/a	
49	Greece	2.29	13.77	0.56		n/a	Gambia	n/a	n/a	n/a	
50	Malaysia	2.25	13.53	0.55		n/a	Ghana	n/a	n/a	n/a	
51	Brazil	2.06	12.37	0.54		n/a	Guinea	n/a	n/a	n/a	
52	India	2.03	12.16	0.53		n/a	Guyana	n/a	n/a	n/a	
53	Belgium	1.82	10.89	0.52		n/a	Kuwait	n/a	n/a	n/a	
54	TFYR of Macedonia (2011)	1.74	10.41	0.51		n/a	Lebanon	n/a	n/a	n/a	
55	Lithuania	1.69	10.16	0.50		n/a	Lesotho	n/a	n/a	n/a	
56	Sri Lanka (2011)	1.68	10.07	0.50		n/a	Malawi	n/a	n/a	n/a	
57	Kenya	1.64	9.82	0.49		n/a	Mali	n/a	n/a	n/a	
58	Thailand	1.58	9.47	0.48		n/a	Myanmar	n/a	n/a	n/a	
59	Azerbaijan	1.50	9.00	0.47		n/a	Namibia	n/a	n/a	n/a	
60	Slovakia	1.29	7.69	0.46		n/a	Nepal	n/a	n/a	n/a	
61	Egypt	1.28	7.64	0.45		n/a	Niger	n/a	n/a	n/a	
62	Jordan	1.26	7.50	0.44		n/a	Nigeria	n/a	n/a	n/a	
63	Morocco	1.17	6.96	0.43		n/a	Oman	n/a	n/a	n/a	
64	Viet Nam	1.14	6.78	0.42		n/a	Senegal	n/a	n/a	n/a	
65	Chile	1.06	6.32	0.41		n/a	Seychelles	n/a	n/a	n/a	
66	South Africa	1.06	6.29	0.40		n/a	Swaziland	n/a	n/a	n/a	
67	Mozambique (2007)	1.05	6.25	0.39		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
68	Argentina	1.00	5.95	0.39		n/a	Togo	n/a	n/a	n/a	
69	Malta	0.98	5.85	0.38	○	n/a	United Arab Emirates	n/a	n/a	n/a	
70	Tunisia (2008)	0.83	4.94	0.37		n/a	Zimbabwe	n/a	n/a	n/a	
71	Jamaica (2011)	0.82	4.86	0.36							
72	Mexico	0.72	4.26	0.35							
73	Estonia	0.69	4.06	0.34	○						

SOURCE: World Intellectual Property Organization, *WIPO Statistics Database*;
International Monetary Fund *World Economic Outlook 2013* (PPP\$ GDP) (2006–12)

NOTE: ● indicates a strength; ○ a weakness.

6.1.2

Patent Cooperation Treaty resident applications

Number of international patent applications filed by residents at the Patent Cooperation Treaty (per billion PPP\$ GDP) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Barbados	23.70	100.00	1.00	●	74	Belarus	0.10	2.79	0.35	
2	Finland	11.98	79.73	0.99	●	75	Guinea (2010)	0.09	2.70	0.35	●
3	Switzerland	11.68	78.98	0.98	●	76	TFYR of Macedonia	0.09	2.68	0.34	
4	Japan	9.54	73.17	0.97	●	77	Romania	0.09	2.67	0.33	
5	Sweden	9.31	72.49	0.96		78	Mali (2004)	0.09	2.66	0.32	
6	Korea, Rep.	7.42	66.09	0.96		79	Costa Rica	0.09	2.48	0.31	
7	Denmark	6.82	63.79	0.95		80	Benin (2008)	0.08	2.27	0.30	
8	Luxembourg	6.40	62.06	0.94		81	Egypt	0.08	2.24	0.29	
9	Germany	5.92	59.96	0.93		82	Mongolia (2011)	0.08	2.22	0.28	
10	Netherlands	5.85	59.63	0.92		83	Nicaragua	0.08	2.21	0.27	
11	Israel	5.27	56.87	0.91		84	Kenya	0.07	1.96	0.27	
12	Seychelles	3.92	49.26	0.90	●	85	Cameroon (2011)	0.06	1.87	0.26	
13	Austria	3.72	47.96	0.89		86	Bahrain	0.06	1.78	0.25	
14	France	3.51	46.51	0.88		87	Tunisia	0.06	1.70	0.24	
15	Iceland	3.39	45.67	0.88		88	Burkina Faso (2008)	0.06	1.62	0.23	
16	United States of America	3.18	44.14	0.87		89	Kazakhstan	0.05	1.55	0.22	
17	Belgium	2.95	42.38	0.86		90	Azerbaijan	0.05	1.54	0.21	
18	Norway	2.44	38.08	0.85		91	Oman (2010)	0.05	1.51	0.20	
19	New Zealand	2.32	36.99	0.84		92	Zambia (2010)	0.05	1.48	0.19	
20	Singapore	2.19	35.74	0.83		93	Philippines	0.04	1.27	0.19	
21	United Kingdom	2.12	34.99	0.82		94	Uganda (2011)	0.04	1.22	0.18	
22	Cyprus	2.10	34.80	0.81		95	Dominican Republic	0.04	1.22	0.17	○
23	Ireland	2.09	34.71	0.81		96	Viet Nam	0.04	1.15	0.16	
24	Slovenia	2.01	33.91	0.80		97	Senegal	0.04	1.13	0.15	
25	Canada	1.87	32.44	0.79		98	Trinidad and Tobago	0.04	1.13	0.14	
26	Australia	1.78	31.39	0.78		99	Botswana (2010)	0.04	1.06	0.13	
27	Malta	1.61	29.45	0.77		100	Peru	0.03	1.01	0.12	○
28	Italy	1.58	29.10	0.76		101	Honduras (2009)	0.03	0.93	0.12	○
29	China	1.52	28.36	0.75		102	Côte d'Ivoire	0.03	0.75	0.11	
30	Spain	1.23	24.52	0.74		103	Nigeria	0.02	0.74	0.10	
31	Estonia	1.17	23.73	0.73		104	Sudan (2011)	0.02	0.69	0.09	
32	Latvia	0.98	20.86	0.73		105	El Salvador (2011)	0.02	0.67	0.08	○
33	Namibia	0.83	18.52	0.72	●	106	Tanzania, United Rep. (2008)	0.02	0.56	0.07	○
34	Hungary	0.83	18.50	0.71		107	Algeria	0.01	0.44	0.06	
35	Malaysia	0.58	14.04	0.70		108	Guatemala	0.01	0.39	0.05	○
36	Czech Republic	0.57	13.85	0.69		109	Ghana	0.01	0.36	0.04	○
37	South Africa	0.55	13.27	0.68		110	Indonesia	0.01	0.33	0.04	○
38	Portugal	0.53	12.93	0.67		111	Uzbekistan	0.01	0.29	0.03	○
39	Turkey	0.48	12.00	0.66		112	Angola (2010)	0.01	0.28	0.02	○
40	Lithuania	0.47	11.67	0.65		113	Iran, Islamic Rep.	0.00	0.06	0.01	○
41	Russian Federation	0.44	11.08	0.65		114	Togo (2013)	0.00	0.00	0.00	○
42	Armenia	0.41	10.50	0.64		n/a	Argentina	n/a	n/a	n/a	
43	Croatia	0.39	9.96	0.63		n/a	Bangladesh	n/a	n/a	n/a	
44	Chile	0.37	9.63	0.62		n/a	Bhutan	n/a	n/a	n/a	
45	Ukraine	0.36	9.40	0.61		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
46	Greece	0.34	8.98	0.60		n/a	Burundi	n/a	n/a	n/a	
47	Saudi Arabia	0.33	8.71	0.59		n/a	Cabo Verde	n/a	n/a	n/a	
48	Swaziland (2011)	0.32	8.55	0.58	●	n/a	Cambodia	n/a	n/a	n/a	
49	Slovakia	0.32	8.49	0.58		n/a	Ethiopia	n/a	n/a	n/a	
50	Bulgaria	0.32	8.48	0.57		n/a	Fiji	n/a	n/a	n/a	
51	Poland	0.32	8.40	0.56		n/a	Gambia	n/a	n/a	n/a	
52	Kyrgyzstan	0.30	8.08	0.55		n/a	Guyana	n/a	n/a	n/a	
53	Zimbabwe (2011)	0.30	7.90	0.54		n/a	Hong Kong (China)	n/a	n/a	n/a	
54	Ecuador	0.29	7.85	0.53		n/a	Jamaica	n/a	n/a	n/a	
55	Qatar	0.29	7.65	0.52		n/a	Jordan	n/a	n/a	n/a	
56	Bosnia and Herzegovina	0.29	7.63	0.51		n/a	Kuwait	n/a	n/a	n/a	
57	Panama	0.28	7.59	0.50		n/a	Lebanon	n/a	n/a	n/a	
58	Montenegro (2011)	0.28	7.51	0.50		n/a	Lesotho	n/a	n/a	n/a	
59	India	0.28	7.47	0.49		n/a	Malawi	n/a	n/a	n/a	
60	Serbia	0.26	6.95	0.48		n/a	Mauritius	n/a	n/a	n/a	
61	Brazil	0.25	6.85	0.47		n/a	Mozambique	n/a	n/a	n/a	
62	Moldova, Rep.	0.25	6.77	0.46		n/a	Myanmar	n/a	n/a	n/a	
63	Morocco	0.23	6.31	0.45		n/a	Nepal	n/a	n/a	n/a	
64	Georgia	0.23	6.25	0.44		n/a	Pakistan	n/a	n/a	n/a	
65	United Arab Emirates	0.20	5.52	0.43		n/a	Paraguay	n/a	n/a	n/a	
66	Niger	0.15	4.35	0.42		n/a	Rwanda	n/a	n/a	n/a	
67	Colombia	0.14	4.10	0.42		n/a	Tajikistan	n/a	n/a	n/a	
68	Brunei Darussalam	0.14	3.94	0.41		n/a	Uruguay	n/a	n/a	n/a	
69	Albania	0.12	3.32	0.40		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
70	Sri Lanka	0.11	3.22	0.39		n/a	Yemen	n/a	n/a	n/a	
71	Mexico	0.11	3.06	0.38							
72	Thailand	0.10	3.00	0.37							
73	Madagascar (2011)	0.10	2.83	0.36							

SOURCE: World Intellectual Property Organization, WIPO Statistics Database; International Monetary Fund World Economic Outlook 2013 (PPP\$ GDP) (2006–12)

NOTE: ● indicates a strength; ○ a weakness.

6.1.3

National office utility model applications

Number of utility model applications filed by residents at the national patent office (per billion PPP\$ GDP) | 2012

345

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank
1	Belarus	7.63	100.00	0.93	●	n/a	Burundi	n/a	n/a	n/a
1	China	59.90	100.00	0.93	●	n/a	Cabo Verde	n/a	n/a	n/a
1	Moldova, Rep.	14.22	100.00	0.93	●	n/a	Cambodia	n/a	n/a	n/a
1	Mongolia (2010)	11.57	100.00	0.93	●	n/a	Cameroon	n/a	n/a	n/a
1	Ukraine	30.22	100.00	0.93	●	n/a	Canada	n/a	n/a	n/a
6	Korea, Rep.	7.45	97.65	0.92		n/a	Côte d'Ivoire	n/a	n/a	n/a
7	Czech Republic	6.32	82.79	0.90		n/a	Cyprus	n/a	n/a	n/a
8	Russian Federation	5.42	70.92	0.88	●	n/a	Dominican Republic	n/a	n/a	n/a
9	Tajikistan	3.93	51.25	0.87	●	n/a	Egypt	n/a	n/a	n/a
10	Germany	3.77	49.16	0.85		n/a	El Salvador	n/a	n/a	n/a
11	Turkey	3.36	43.71	0.83	●	n/a	Fiji	n/a	n/a	n/a
12	Finland	2.29	29.59	0.82		n/a	Gambia	n/a	n/a	n/a
13	Slovakia	2.28	29.54	0.80		n/a	Ghana	n/a	n/a	n/a
14	Thailand	2.20	28.47	0.78		n/a	Guinea	n/a	n/a	n/a
15	Estonia	2.17	27.98	0.77		n/a	Guyana	n/a	n/a	n/a
16	Armenia	1.96	25.21	0.75	●	n/a	Iceland	n/a	n/a	n/a
17	Bulgaria	1.86	23.95	0.73		n/a	India	n/a	n/a	n/a
18	Georgia	1.83	23.51	0.72		n/a	Iran, Islamic Rep.	n/a	n/a	n/a
19	Spain	1.75	22.51	0.70		n/a	Ireland	n/a	n/a	n/a
20	Uzbekistan	1.67	21.41	0.68	●	n/a	Israel	n/a	n/a	n/a
21	Philippines	1.63	20.98	0.67		n/a	Jamaica	n/a	n/a	n/a
22	Austria	1.47	18.75	0.65		n/a	Jordan	n/a	n/a	n/a
23	Italy	1.42	18.09	0.63		n/a	Kuwait	n/a	n/a	n/a
24	Japan	1.38	17.56	0.62		n/a	Latvia	n/a	n/a	n/a
25	Kyrgyzstan	1.29	16.49	0.60		n/a	Lebanon	n/a	n/a	n/a
26	Australia	1.25	15.96	0.58		n/a	Lesotho	n/a	n/a	n/a
27	Brazil	1.24	15.72	0.57		n/a	Lithuania	n/a	n/a	n/a
28	Hong Kong (China)	1.21	15.40	0.55		n/a	Luxembourg	n/a	n/a	n/a
29	Hungary	1.19	15.09	0.53		n/a	Madagascar	n/a	n/a	n/a
30	Poland	1.19	15.08	0.52		n/a	Malawi	n/a	n/a	n/a
31	Ethiopia (2007)	1.17	14.80	0.50		n/a	Mali	n/a	n/a	n/a
32	Croatia	1.08	13.71	0.48		n/a	Malta	n/a	n/a	n/a
33	Serbia	0.96	12.13	0.47		n/a	Mauritius	n/a	n/a	n/a
34	Kenya	0.91	11.38	0.45		n/a	Montenegro	n/a	n/a	n/a
35	Rwanda	0.80	9.96	0.43		n/a	Morocco	n/a	n/a	n/a
36	Denmark	0.77	9.62	0.42	○	n/a	Myanmar	n/a	n/a	n/a
37	Uruguay	0.71	8.77	0.40		n/a	Namibia	n/a	n/a	n/a
38	Viet Nam	0.59	7.23	0.38		n/a	Nepal	n/a	n/a	n/a
39	Colombia	0.51	6.13	0.37		n/a	Netherlands	n/a	n/a	n/a
40	Kazakhstan (2011)	0.36	4.23	0.35		n/a	New Zealand	n/a	n/a	n/a
41	Peru	0.36	4.16	0.33		n/a	Nicaragua	n/a	n/a	n/a
42	Chile	0.35	4.04	0.32	○	n/a	Niger	n/a	n/a	n/a
43	Mexico	0.30	3.35	0.30		n/a	Nigeria	n/a	n/a	n/a
44	Portugal	0.26	2.88	0.28	○	n/a	Norway	n/a	n/a	n/a
45	Honduras	0.24	2.57	0.27		n/a	Oman	n/a	n/a	n/a
46	Romania	0.22	2.38	0.25	○	n/a	Pakistan	n/a	n/a	n/a
47	Indonesia (2011)	0.21	2.22	0.23		n/a	Paraguay	n/a	n/a	n/a
48	Zimbabwe (2008)	0.20	2.11	0.22		n/a	Qatar	n/a	n/a	n/a
49	Argentina	0.20	2.09	0.20		n/a	Saudi Arabia	n/a	n/a	n/a
50	Guatemala	0.19	1.96	0.18		n/a	Senegal	n/a	n/a	n/a
51	Slovenia (2010)	0.16	1.53	0.17	○	n/a	Seychelles	n/a	n/a	n/a
52	Burkina Faso (2010)	0.14	1.33	0.15		n/a	Singapore	n/a	n/a	n/a
53	Ecuador (2010)	0.14	1.29	0.13		n/a	South Africa	n/a	n/a	n/a
54	Azerbaijan (2011)	0.14	1.28	0.12	○	n/a	Sri Lanka	n/a	n/a	n/a
55	Mozambique (2007)	0.12	0.96	0.10		n/a	Sudan	n/a	n/a	n/a
56	Costa Rica	0.10	0.77	0.08	○	n/a	Swaziland	n/a	n/a	n/a
57	Panama (2011)	0.10	0.74	0.07	○	n/a	Sweden	n/a	n/a	n/a
58	Malaysia	0.09	0.65	0.05	○	n/a	Switzerland	n/a	n/a	n/a
59	France	0.07	0.34	0.03	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a
60	Greece	0.05	0.14	0.02	○	n/a	TFYR of Macedonia	n/a	n/a	n/a
61	Albania (2009)	0.04	0.00	0.00	○	n/a	Togo	n/a	n/a	n/a
n/a	Algeria	n/a	n/a	n/a		n/a	Trinidad and Tobago	n/a	n/a	n/a
n/a	Angola	n/a	n/a	n/a		n/a	Tunisia	n/a	n/a	n/a
n/a	Bahrain	n/a	n/a	n/a		n/a	Uganda	n/a	n/a	n/a
n/a	Bangladesh	n/a	n/a	n/a		n/a	United Arab Emirates	n/a	n/a	n/a
n/a	Barbados	n/a	n/a	n/a		n/a	United Kingdom	n/a	n/a	n/a
n/a	Belgium	n/a	n/a	n/a		n/a	United States of America	n/a	n/a	n/a
n/a	Benin	n/a	n/a	n/a		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a
n/a	Bhutan	n/a	n/a	n/a		n/a	Yemen	n/a	n/a	n/a
n/a	Bolivia, Plurinational St.	n/a	n/a	n/a		n/a	Zambia	n/a	n/a	n/a
n/a	Bosnia and Herzegovina	n/a	n/a	n/a						
n/a	Botswana	n/a	n/a	n/a						
n/a	Brunei Darussalam	n/a	n/a	n/a						

SOURCE: World Intellectual Property Organization, WIPO Statistics Database; International Monetary Fund World Economic Outlook 2013 (PPP\$ GDP) (2007–12)
NOTE: ● indicates a strength; ○ a weakness.

6.1.4

Scientific and technical publications

Number of scientific and technical journal articles (per billion PPP\$ GDP) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Iceland.....	67.50	100.00	1.00	●	74	India.....	9.84	14.15	0.48	
2	Switzerland.....	67.19	99.55	0.99	●	75	Barbados.....	9.71	13.96	0.48	
3	Denmark.....	67.13	99.45	0.99	●	76	Bosnia and Herzegovina.....	9.55	13.72	0.47	
4	Slovenia.....	64.00	94.79	0.98	●	77	Burkina Faso.....	9.54	13.71	0.46	
5	Serbia.....	60.35	89.36	0.97	●	78	Cabo Verde.....	9.45	13.57	0.45	
6	New Zealand.....	58.39	86.45	0.96	●	79	Saudi Arabia.....	9.30	13.35	0.45	
7	Sweden.....	57.61	85.29	0.96		80	Zambia.....	9.27	13.30	0.44	
8	Finland.....	55.45	82.07	0.95		81	Madagascar.....	9.26	13.29	0.43	
9	Estonia.....	53.13	78.61	0.94	●	82	Thailand.....	9.16	13.14	0.43	
10	Portugal.....	50.06	74.04	0.94	●	83	Tanzania, United Rep.....	8.98	12.87	0.42	
11	Netherlands.....	48.55	71.79	0.93		84	Morocco.....	8.45	12.08	0.41	
12	Australia.....	48.00	70.98	0.92		85	Togo.....	8.30	11.86	0.40	●
13	Cyprus.....	44.92	66.39	0.91	●	86	Namibia.....	7.31	10.38	0.40	
14	Belgium.....	44.02	65.04	0.91		87	Rwanda.....	7.27	10.33	0.39	
15	United Kingdom.....	43.04	63.58	0.90		88	Mali.....	7.20	10.22	0.38	
16	Israel.....	42.93	63.42	0.89		89	Algeria.....	7.09	10.06	0.38	
17	Croatia.....	40.58	59.92	0.89	●	90	Ethiopia.....	7.05	10.00	0.37	
18	Norway.....	38.81	57.28	0.88		91	Ghana.....	6.86	9.71	0.36	
19	Canada.....	37.40	55.19	0.87		92	Belarus.....	6.82	9.66	0.35	
20	Spain.....	36.67	54.11	0.87	●	93	Swaziland.....	6.71	9.49	0.35	
21	Greece.....	36.21	53.41	0.86	●	94	Bhutan.....	6.69	9.46	0.34	
22	Ireland.....	36.16	53.34	0.85		95	Costa Rica.....	6.51	9.20	0.33	
23	Austria.....	35.73	52.70	0.84		96	Kyrgyzstan.....	6.43	9.08	0.33	
24	Zimbabwe.....	35.49	52.34	0.84	●	97	Colombia.....	6.14	8.64	0.32	
25	Czech Republic.....	34.83	51.37	0.83		98	Trinidad and Tobago.....	6.12	8.61	0.31	
26	Armenia.....	33.77	49.78	0.82	●	99	Niger.....	6.01	8.45	0.30	
27	Singapore.....	32.26	47.54	0.82		100	Mexico.....	5.86	8.23	0.30	
28	Italy.....	31.00	45.65	0.81		101	Botswana.....	5.85	8.22	0.29	
29	Hungary.....	30.71	45.23	0.80		102	Viet Nam.....	5.82	8.17	0.28	
30	Korea, Rep.....	29.47	43.39	0.79		103	Panama.....	5.61	7.85	0.28	
31	Germany.....	29.14	42.90	0.79		104	Lesotho.....	5.39	7.53	0.27	
32	Gambia.....	29.09	42.82	0.78	●	105	Jamaica.....	5.37	7.50	0.26	
33	France.....	28.54	42.00	0.77		106	Oman.....	5.32	7.43	0.26	
34	Jordan.....	28.39	41.77	0.77	●	107	Albania.....	5.20	7.25	0.25	
35	Romania.....	27.13	39.90	0.76		108	United Arab Emirates.....	5.13	7.14	0.24	○
36	Poland.....	26.64	39.17	0.75		109	Mozambique.....	5.04	7.01	0.23	
37	Lithuania.....	26.44	38.87	0.74		110	Cambodia.....	4.89	6.79	0.23	
38	Tunisia.....	26.27	38.62	0.74	●	111	Mauritius.....	4.63	6.40	0.22	○
39	Iran, Islamic Rep.....	24.75	36.35	0.73	●	112	Bahrain.....	4.29	5.89	0.21	
40	Fiji.....	24.49	35.97	0.72	●	113	Côte d'Ivoire.....	4.26	5.84	0.21	
41	Montenegro.....	23.15	33.98	0.72		114	Qatar.....	4.26	5.84	0.20	
42	Slovakia.....	21.85	32.04	0.71		115	Azerbaijan.....	4.20	5.76	0.19	
43	Malawi.....	20.78	30.44	0.70	●	116	Kuwait.....	4.14	5.67	0.18	
44	Turkey.....	20.76	30.41	0.70		117	Bangladesh.....	4.00	5.46	0.18	
45	United States of America.....	20.51	30.04	0.69		118	Bolivia, Plurinational St.....	3.81	5.17	0.17	
46	Bulgaria.....	19.88	29.10	0.68		119	Sri Lanka.....	3.69	5.00	0.16	
47	Georgia.....	19.31	28.25	0.67		120	Nigeria.....	3.68	4.98	0.16	
48	Luxembourg.....	19.17	28.05	0.67		121	Brunei Darussalam.....	3.55	4.79	0.15	○
49	Malta.....	19.02	27.82	0.66		122	Tajikistan.....	3.53	4.75	0.14	
50	Moldova, Rep.....	18.93	27.69	0.65		123	Sudan.....	3.15	4.19	0.13	
51	Seychelles.....	17.47	25.52	0.65		124	Burundi.....	2.96	3.90	0.13	
52	Chile.....	17.07	24.92	0.64		125	Guinea.....	2.94	3.89	0.12	
53	Malaysia.....	16.87	24.63	0.63		126	Yemen.....	2.78	3.64	0.11	
54	Kenya.....	15.84	23.09	0.62		127	Uzbekistan.....	2.75	3.60	0.11	
55	South Africa.....	15.82	23.06	0.62		128	Ecuador.....	2.67	3.47	0.10	○
56	China.....	15.76	22.97	0.61		129	Venezuela, Bolivarian Rep.....	2.33	2.97	0.09	
57	Japan.....	15.74	22.94	0.60		130	Nicaragua.....	2.26	2.87	0.09	○
58	Benin.....	15.26	22.22	0.60	●	131	Philippines.....	2.14	2.69	0.08	○
59	Brazil.....	14.86	21.63	0.59		132	Guyana.....	2.12	2.66	0.07	○
60	Latvia.....	14.84	21.61	0.58		133	Peru.....	2.11	2.65	0.06	○
61	Lebanon.....	14.45	21.01	0.57		134	Kazakhstan.....	2.09	2.61	0.06	○
62	Ukraine.....	13.94	20.26	0.57		135	Guatemala.....	1.62	1.91	0.05	○
63	Uganda.....	13.61	19.77	0.56		136	Paraguay.....	1.37	1.55	0.04	○
64	Egypt.....	13.56	19.69	0.55		137	Honduras.....	1.35	1.51	0.04	○
65	Senegal.....	13.06	18.95	0.55		138	Indonesia.....	1.15	1.21	0.03	○
66	TFYR of Macedonia.....	12.77	18.51	0.54		139	El Salvador.....	0.74	0.60	0.02	○
67	Uruguay.....	12.69	18.39	0.53		140	Dominican Republic.....	0.66	0.49	0.01	○
68	Mongolia.....	12.39	17.95	0.52		141	Myanmar.....	0.54	0.31	0.01	
69	Cameroon.....	12.23	17.71	0.52	●	142	Angola.....	0.33	0.00	0.00	○
70	Russian Federation.....	10.74	15.49	0.51		n/a	Hong Kong (China).....	n/a	n/a	n/a	
71	Pakistan.....	10.63	15.32	0.50							
72	Argentina.....	10.27	14.79	0.50							
73	Nepal.....	10.20	14.69	0.49	●						

SOURCE: Thomson Reuters, Web of Science, SCI and SSCI; International Monetary Fund *World Economic Outlook 2013* (PPP\$ GDP)

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Germany	740.00	100.00	0.99	●	74	Latvia	85.00	10.03	0.48	
1	United Kingdom	851.00	100.00	0.99	●	74	Tunisia	85.00	10.03	0.48	
1	United States of America	1,380.00	100.00	0.99	●	76	Ecuador	83.00	9.75	0.46	
4	France	681.00	91.90	0.98	●	76	Kuwait	83.00	9.75	0.46	
5	Canada	658.00	88.74	0.97	●	78	Jordan	82.00	9.62	0.46	
6	Japan	635.00	85.58	0.96	●	79	Gambia	80.00	9.34	0.44	
7	Italy	588.00	79.12	0.96	●	79	Luxembourg	80.00	9.34	0.44	
8	Netherlands	576.00	77.47	0.95		79	Malawi	80.00	9.34	0.44	
9	Switzerland	569.00	76.51	0.94		82	Algeria	78.00	9.07	0.42	●
10	Australia	514.00	68.96	0.94		82	Georgia	78.00	9.07	0.42	
11	Sweden	511.00	68.54	0.93		84	Senegal	75.00	8.65	0.42	
12	Spain	476.00	63.74	0.92	●	85	Ethiopia	73.00	8.38	0.40	
13	Belgium	454.00	60.71	0.92	●	85	Ghana	73.00	8.38	0.40	
14	Denmark	427.00	57.01	0.91		87	Cameroon	72.00	8.24	0.39	●
15	Israel	414.00	55.22	0.90		87	Zimbabwe	72.00	8.24	0.39	
16	China	385.00	51.24	0.89		89	Nepal	71.00	8.10	0.38	
17	Austria	378.00	50.27	0.89		90	Côte d'Ivoire	68.00	7.69	0.36	
18	Finland	372.00	49.45	0.88		90	Serbia	68.00	7.69	0.36	
19	Korea, Rep.	333.00	44.09	0.87		90	Zambia	68.00	7.69	0.36	
20	Norway	327.00	43.27	0.87		93	Oman	63.00	7.01	0.35	
21	Russian Federation	325.00	42.99	0.86	●	94	Burkina Faso	62.00	6.87	0.34	
22	Brazil	305.00	40.25	0.85	●	94	TFYR of Macedonia	62.00	6.87	0.34	
23	Poland	302.00	39.84	0.85		96	Bolivia, Plurinational St.	61.00	6.73	0.32	
24	India	301.00	39.70	0.84	●	96	Trinidad and Tobago	61.00	6.73	0.32	
25	Hong Kong (China)	292.00	38.46	0.83		98	Malta	60.00	6.59	0.31	○
26	New Zealand	282.00	37.09	0.82		98	Moldova, Rep.	60.00	6.59	0.31	
27	Ireland	271.00	35.58	0.82		100	Botswana	57.00	6.18	0.30	
28	Singapore	268.00	35.16	0.81		100	Jamaica	57.00	6.18	0.30	
29	Greece	266.00	34.89	0.80		102	Madagascar	56.00	6.04	0.29	
30	Hungary	254.00	33.24	0.80		103	Mali	55.00	5.91	0.27	
31	Czech Republic	239.00	31.18	0.79		103	Mongolia	55.00	5.91	0.27	
32	Portugal	234.00	30.49	0.78		103	Namibia	55.00	5.91	0.27	
33	Mexico	232.00	30.22	0.77	●	106	Guatemala	53.00	5.63	0.25	
34	South Africa	231.00	30.08	0.77		106	Mozambique	53.00	5.63	0.25	
35	Argentina	222.00	28.85	0.76		106	Uzbekistan	53.00	5.63	0.25	
36	Turkey	210.00	27.20	0.75		109	Kazakhstan	52.00	5.49	0.23	
37	Chile	194.00	25.00	0.75		109	Sudan	52.00	5.49	0.23	
38	Thailand	167.00	21.29	0.74		111	Barbados	50.00	5.22	0.22	○
39	Iceland	160.00	20.33	0.73		111	Qatar	50.00	5.22	0.22	
40	Slovenia	153.00	19.37	0.73		113	Benin	49.00	5.08	0.20	
41	Slovakia	148.00	18.68	0.72		113	Cambodia	49.00	5.08	0.20	
42	Croatia	143.00	17.99	0.71		115	Niger	47.00	4.81	0.20	
43	Ukraine	142.00	17.86	0.70		116	Azerbaijan	45.00	4.53	0.18	
44	Bulgaria	138.00	17.31	0.70		116	Nicaragua	45.00	4.53	0.18	
45	Iran, Islamic Rep.	135.00	16.90	0.68	●	116	Paraguay	45.00	4.53	0.18	
45	Romania	135.00	16.90	0.68		119	Bosnia and Herzegovina	44.00	4.40	0.17	
47	Colombia	133.00	16.62	0.68		120	Dominican Republic	41.00	3.98	0.15	○
48	Egypt	132.00	16.48	0.67	●	120	Mauritius	41.00	3.98	0.15	○
49	Kenya	131.00	16.35	0.66		122	Brunei Darussalam	40.00	3.85	0.14	○
50	Estonia	130.00	16.21	0.65		122	Fiji	40.00	3.85	0.14	
50	Venezuela, Bolivarian Rep.	130.00	16.21	0.65	●	124	Bahrain	39.00	3.71	0.13	
52	Malaysia	125.00	15.52	0.64		124	Honduras	39.00	3.71	0.13	○
53	Saudi Arabia	124.00	15.38	0.63		126	Myanmar	38.00	3.57	0.12	
54	Philippines	116.00	14.29	0.63		127	Yemen	37.00	3.43	0.11	
55	Indonesia	112.00	13.74	0.62		128	Albania	36.00	3.30	0.10	○
56	Pakistan	111.00	13.60	0.61	●	128	Rwanda	36.00	3.30	0.10	
57	Lithuania	109.00	13.32	0.60		130	Guinea	34.00	3.02	0.09	
57	Peru	109.00	13.32	0.60		131	Seychelles	33.00	2.88	0.08	○
59	Viet Nam	107.00	13.05	0.59		132	El Salvador	31.00	2.61	0.06	○
60	Belarus	106.00	12.91	0.58		132	Kyrgyzstan	31.00	2.61	0.06	○
60	Panama	106.00	12.91	0.58		132	Togo	31.00	2.61	0.06	○
62	Armenia	105.00	12.77	0.57		135	Swaziland	28.00	2.20	0.06	○
63	Uruguay	104.00	12.64	0.56		136	Guyana	27.00	2.06	0.05	○
64	Costa Rica	103.00	12.50	0.56		137	Angola	25.00	1.79	0.04	
65	Morocco	99.00	11.95	0.54		138	Burundi	24.00	1.65	0.04	
65	Uganda	99.00	11.95	0.54		139	Tajikistan	23.00	1.51	0.03	○
67	Bangladesh	97.00	11.68	0.53		140	Lesotho	22.00	1.37	0.02	○
67	Lebanon	97.00	11.68	0.53		141	Bhutan	18.00	0.82	0.01	○
69	Tanzania, United Rep.	93.00	11.13	0.52		142	Montenegro	17.00	0.69	0.01	○
70	Nigeria	89.00	10.58	0.51		143	Cabo Verde	12.00	0.00	0.00	○
71	United Arab Emirates	87.00	10.30	0.51							
72	Cyprus	86.00	10.16	0.49							
72	Sri Lanka	86.00	10.16	0.49							

SOURCE: SCImago. (2007). SJR — SCImago Journal & Country Rank. Retrieved February, 2014.

NOTE: ● indicates a strength; ○ a weakness.

6.2.1 Growth rate of GDP per person engaged

Growth rate of GDP per person engaged (constant 1990 PPP\$, 2011 to 2012) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Niger	10.25	100.00	1.00	●	74	Senegal	0.62	59.94	0.37	
2	China	7.37	88.04	0.99	●	75	Qatar	0.57	59.78	0.36	
3	Georgia	6.68	85.17	0.98	●	76	Japan	0.50	59.46	0.35	○
4	Sri Lanka	6.06	82.57	0.97	●	77	United States of America	0.49	59.43	0.34	○
5	Ghana	5.64	80.85	0.97	●	78	Argentina	0.49	59.42	0.33	
6	Uzbekistan	5.37	79.70	0.96	●	79	Denmark	0.45	59.25	0.32	○
7	Côte d'Ivoire	5.27	79.31	0.95	●	80	Malta	0.41	59.10	0.31	○
8	Thailand	4.85	77.57	0.94	●	81	TFYR of Macedonia	0.40	59.07	0.30	
9	Belarus	4.83	77.47	0.93	●	82	Austria	0.36	58.88	0.30	○
10	Myanmar	4.57	76.38	0.92	●	83	Portugal	0.36	58.88	0.29	○
11	Kazakhstan	4.52	76.17	0.91	●	84	Romania	0.35	58.83	0.28	
12	Tajikistan	4.50	76.11	0.90	●	85	Barbados	0.34	58.79	0.27	○
13	Mozambique	4.49	76.06	0.90	●	86	Uganda	0.28	58.53	0.26	
14	Peru	4.46	75.93	0.89	●	87	Finland	0.22	58.31	0.25	○
15	Cambodia	4.31	75.30	0.88	●	88	Guatemala	0.10	57.80	0.24	
16	Nigeria	4.25	75.08	0.87	●	89	Singapore	0.03	57.51	0.23	○
17	Chile	4.24	75.00	0.86	●	90	Egypt	-0.05	57.19	0.23	
18	Kuwait	4.22	74.92	0.85	●	91	Netherlands	-0.23	56.43	0.22	○
19	Indonesia	4.17	74.73	0.84	●	92	Belgium	-0.24	56.40	0.21	○
20	Moldova, Rep.	4.04	74.19	0.83	●	93	Bosnia and Herzegovina	-0.24	56.39	0.20	
21	Ukraine	3.76	73.00	0.83	●	94	Switzerland	-0.25	56.37	0.19	○
22	Venezuela, Bolivarian Rep.	3.68	72.67	0.82	●	95	France	-0.25	56.34	0.18	○
23	Ethiopia	3.67	72.66	0.81	●	96	Brazil	-0.26	56.31	0.17	○
24	India	3.66	72.61	0.80	●	97	Germany	-0.35	55.95	0.17	○
25	Latvia	3.57	72.24	0.79		98	Kyrgyzstan	-0.57	55.02	0.16	
26	Bangladesh	3.55	72.13	0.78	●	99	Slovenia	-0.59	54.93	0.15	○
27	Viet Nam	3.48	71.86	0.77	●	100	Jamaica	-0.65	54.70	0.14	○
28	Saudi Arabia	3.47	71.83	0.77		101	Albania	-0.71	54.43	0.13	
29	Burkina Faso	3.40	71.54	0.76	●	102	United Kingdom	-0.74	54.31	0.12	○
30	Russian Federation	3.39	71.47	0.75		103	Cyprus	-0.80	54.07	0.11	○
31	Tanzania, United Rep.	3.37	71.41	0.74	●	104	Bahrain	-1.02	53.13	0.10	○
32	Zambia	3.33	71.24	0.73	●	105	Czech Republic	-1.11	52.78	0.10	○
33	Armenia	3.29	71.06	0.72		106	Greece	-1.30	51.98	0.09	○
34	South Africa	3.21	70.74	0.71		107	Madagascar	-1.39	51.61	0.08	
35	Angola	3.15	70.48	0.70	●	108	Italy	-1.47	51.26	0.07	○
36	Costa Rica	3.14	70.42	0.70		109	Luxembourg	-1.59	50.78	0.06	○
37	Bulgaria	2.71	68.67	0.69		110	Croatia	-1.81	49.84	0.05	○
38	Bolivia, Plurinational St.	2.71	68.67	0.68	●	111	Zimbabwe	-1.99	49.12	0.04	○
39	Uruguay	2.67	68.47	0.67		112	Hungary	-2.14	48.50	0.03	○
40	Azerbaijan	2.62	68.29	0.66	●	113	Iran, Islamic Rep.	-2.36	47.58	0.03	○
41	Australia	2.61	68.22	0.65		114	Yemen	-5.30	35.34	0.02	
42	Malaysia	2.60	68.22	0.64		115	Mali	-7.32	26.94	0.01	○
43	Colombia	2.59	68.15	0.63		116	Sudan	-13.80	0.00	0.00	○
44	Jordan	2.56	68.02	0.63		n/a	Benin	n/a	n/a	n/a	
45	Philippines	2.48	67.71	0.62		n/a	Bhutan	n/a	n/a	n/a	
46	Iceland	2.48	67.68	0.61		n/a	Botswana	n/a	n/a	n/a	
47	Oman	2.42	67.46	0.60		n/a	Brunei Darussalam	n/a	n/a	n/a	
48	Kenya	2.35	67.16	0.59		n/a	Burundi	n/a	n/a	n/a	
49	Spain	2.33	67.07	0.58		n/a	Cabo Verde	n/a	n/a	n/a	
50	Lithuania	2.28	66.88	0.57		n/a	El Salvador	n/a	n/a	n/a	
51	Norway	2.21	66.58	0.57	○	n/a	Fiji	n/a	n/a	n/a	
52	Cameroon	2.20	66.53	0.56	●	n/a	Gambia	n/a	n/a	n/a	
53	Dominican Republic	2.14	66.30	0.55		n/a	Guinea	n/a	n/a	n/a	
54	Poland	2.11	66.15	0.54		n/a	Guyana	n/a	n/a	n/a	
55	Estonia	1.96	65.52	0.53		n/a	Honduras	n/a	n/a	n/a	
56	Ecuador	1.95	65.48	0.52		n/a	Lebanon	n/a	n/a	n/a	
57	Tunisia	1.68	64.39	0.51		n/a	Lesotho	n/a	n/a	n/a	
58	Hong Kong (China)	1.68	64.36	0.50		n/a	Mauritius	n/a	n/a	n/a	
59	Slovakia	1.59	63.98	0.50		n/a	Mongolia	n/a	n/a	n/a	
60	Israel	1.56	63.88	0.49	○	n/a	Montenegro	n/a	n/a	n/a	
61	Morocco	1.30	62.80	0.48		n/a	Namibia	n/a	n/a	n/a	
62	Trinidad and Tobago	1.28	62.72	0.47		n/a	Nepal	n/a	n/a	n/a	
63	Malawi	1.12	62.05	0.46		n/a	Nicaragua	n/a	n/a	n/a	
64	New Zealand	1.06	61.81	0.45	○	n/a	Panama	n/a	n/a	n/a	
65	Ireland	1.06	61.78	0.44	○	n/a	Paraguay	n/a	n/a	n/a	
66	Sweden	1.01	61.58	0.43	○	n/a	Rwanda	n/a	n/a	n/a	
67	Canada	0.99	61.49	0.43	○	n/a	Serbia	n/a	n/a	n/a	
68	Turkey	0.98	61.45	0.42		n/a	Seychelles	n/a	n/a	n/a	
69	Algeria	0.97	61.40	0.41		n/a	Swaziland	n/a	n/a	n/a	
70	United Arab Emirates	0.93	61.25	0.40		n/a	Togo	n/a	n/a	n/a	
71	Pakistan	0.93	61.24	0.39							
72	Korea, Rep.	0.80	60.72	0.38							
73	Mexico	0.75	60.49	0.37							

SOURCE: International Labour Organization, *Key Indicators of the Labour Market* (KILM) database, Table 17b Labour productivity, special tabulations

NOTE: ● indicates a strength; ○ a weakness.

6.2.2 New business density

New business density (new registrations per thousand population 15–64 years old) | 2012

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Cyprus	22.51	100.00	0.97	●	74	Algeria	0.53	3.54	0.28	
1	Hong Kong (China)	28.12	100.00	0.97	●	75	Guatemala	0.52	3.46	0.27	
1	Luxembourg	20.98	100.00	0.97	●	76	Sri Lanka	0.51	3.42	0.26	
1	New Zealand	15.07	100.00	0.97	●	77	Austria	0.50	3.30	0.25	○
5	Panama	14.10	93.57	0.96	●	78	El Salvador	0.48	3.20	0.24	
6	Malta	13.61	90.31	0.95	●	79	Argentina	0.47	3.09	0.23	
7	Botswana	12.30	81.60	0.94	●	80	Indonesia	0.29	1.95	0.22	
8	Australia	12.16	80.69	0.93		81	Philippines	0.27	1.80	0.21	
9	Latvia	11.63	77.17	0.92	●	82	Senegal	0.27	1.77	0.20	
10	United Kingdom	11.04	73.22	0.91		83	Tajikistan	0.26	1.70	0.19	
11	Bulgaria	9.03	59.89	0.90	●	84	Guinea	0.23	1.50	0.18	
12	Iceland	8.17	54.19	0.89		85	Bhutan	0.20	1.34	0.17	
13	Singapore	8.04	53.38	0.88		86	Burkina Faso	0.15	0.99	0.16	
14	Norway	7.83	51.93	0.87		87	India	0.12	0.82	0.15	
15	Mauritius	7.40	49.07	0.86	●	88	Togo	0.12	0.81	0.14	
16	South Africa	6.54	43.38	0.85	●	89	Bangladesh	0.09	0.61	0.13	
17	Sweden	6.41	42.52	0.84		90	Madagascar	0.05	0.34	0.12	
18	Chile	5.69	37.73	0.83	●	91	Pakistan	0.04	0.25	0.11	
19	Slovakia	5.11	33.89	0.82	●	92	Estonia (2007)	0.00	0.00	0.00	○
20	Georgia	4.86	32.26	0.81		92	Ethiopia (2009)	0.00	0.00	0.00	○
21	Hungary	4.75	31.55	0.80		92	Kenya (2008)	0.00	0.00	0.00	○
22	Lithuania	4.71	31.26	0.79		92	Malawi (2009)	0.00	0.00	0.00	○
23	Ireland	4.50	29.86	0.78		92	Moldova, Rep. (2009)	0.00	0.00	0.00	○
24	Netherlands	4.44	29.48	0.77		92	Montenegro (2011)	0.00	0.00	0.00	○
25	Slovenia	4.36	28.93	0.76		92	Morocco (2009)	0.00	0.00	0.00	○
26	Denmark	4.36	28.92	0.75		92	Oman (2009)	0.00	0.00	0.00	○
27	Russian Federation	4.30	28.55	0.74		92	Poland (2009)	0.00	0.00	0.00	○
28	Peru	3.83	25.41	0.73	●	92	Portugal (2010)	0.00	0.00	0.00	○
29	TFYR of Macedonia	3.60	23.92	0.72		92	Tunisia (2011)	0.00	0.00	0.00	○
30	Costa Rica	3.55	23.54	0.71		n/a	Angola	n/a	n/a	n/a	
31	Uruguay	2.98	19.79	0.70		n/a	Bahrain	n/a	n/a	n/a	
32	Czech Republic	2.96	19.66	0.69		n/a	Barbados	n/a	n/a	n/a	
33	Israel	2.96	19.65	0.68		n/a	Benin	n/a	n/a	n/a	
34	France	2.88	19.10	0.67		n/a	Brunei Darussalam	n/a	n/a	n/a	
35	Croatia	2.82	18.72	0.66		n/a	Burundi	n/a	n/a	n/a	
36	Spain	2.71	18.01	0.65		n/a	Cabo Verde	n/a	n/a	n/a	
37	Switzerland	2.53	16.81	0.64		n/a	Cambodia	n/a	n/a	n/a	
38	Belgium	2.48	16.45	0.63		n/a	Cameroon	n/a	n/a	n/a	
39	Finland	2.32	15.37	0.62		n/a	China	n/a	n/a	n/a	
40	Malaysia	2.28	15.12	0.61		n/a	Côte d'Ivoire	n/a	n/a	n/a	
41	Brazil	2.17	14.38	0.60		n/a	Ecuador	n/a	n/a	n/a	
42	Korea, Rep.	2.03	13.46	0.59		n/a	Egypt	n/a	n/a	n/a	
43	Colombia	2.00	13.27	0.58		n/a	Fiji	n/a	n/a	n/a	
44	Italy	1.91	12.65	0.57		n/a	Gambia	n/a	n/a	n/a	
45	Qatar	1.74	11.52	0.56		n/a	Ghana	n/a	n/a	n/a	
46	Kazakhstan	1.71	11.37	0.55		n/a	Greece	n/a	n/a	n/a	
47	Serbia	1.68	11.12	0.54		n/a	Guyana	n/a	n/a	n/a	
48	Armenia	1.55	10.28	0.53		n/a	Honduras	n/a	n/a	n/a	
49	Lesotho	1.49	9.86	0.52	●	n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
50	United Arab Emirates	1.38	9.14	0.51		n/a	Kuwait	n/a	n/a	n/a	
51	Zambia	1.36	9.01	0.50		n/a	Lebanon	n/a	n/a	n/a	
52	Germany	1.29	8.55	0.50		n/a	Mali	n/a	n/a	n/a	
53	Uganda	1.17	7.74	0.49		n/a	Mongolia	n/a	n/a	n/a	
54	Japan	1.15	7.64	0.48		n/a	Mozambique	n/a	n/a	n/a	
55	Belarus	1.14	7.56	0.47		n/a	Myanmar	n/a	n/a	n/a	
56	Jamaica	1.11	7.39	0.46		n/a	Nicaragua	n/a	n/a	n/a	
57	Rwanda	1.07	7.12	0.45		n/a	Niger	n/a	n/a	n/a	
58	Canada	1.07	7.11	0.44	○	n/a	Paraguay	n/a	n/a	n/a	
59	Dominican Republic	1.05	6.94	0.43		n/a	Romania	n/a	n/a	n/a	
60	Jordan	0.98	6.51	0.42		n/a	Saudi Arabia	n/a	n/a	n/a	
61	Kyrgyzstan	0.92	6.12	0.41		n/a	Seychelles	n/a	n/a	n/a	
62	Ukraine	0.92	6.12	0.40		n/a	Sudan	n/a	n/a	n/a	
63	Nigeria	0.91	6.01	0.39		n/a	Swaziland	n/a	n/a	n/a	
64	Mexico	0.88	5.82	0.38		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
65	Albania	0.88	5.81	0.37		n/a	Trinidad and Tobago	n/a	n/a	n/a	
66	Thailand	0.86	5.68	0.36		n/a	United States of America	n/a	n/a	n/a	
67	Namibia	0.85	5.67	0.35		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Turkey	0.79	5.22	0.34		n/a	Viet Nam	n/a	n/a	n/a	
69	Bosnia and Herzegovina	0.70	4.64	0.33		n/a	Yemen	n/a	n/a	n/a	
70	Azerbaijan	0.70	4.62	0.32		n/a	Zimbabwe	n/a	n/a	n/a	
71	Nepal	0.66	4.37	0.31							
72	Uzbekistan	0.64	4.27	0.30							
73	Bolivia, Plurinational St.	0.56	3.73	0.29							

SOURCE: World Bank, *Doing Business 2014, Entrepreneurship* (2007–12)

NOTE: ● indicates a strength; ○ a weakness.

6.2.3 Total computer software spending

Total computer software spending (% of GDP) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	United States of America	0.97	100.00	1.00	●	74	India	0.15	0.00	0.00	○
2	Ireland	0.79	77.64	0.99	●	n/a	Albania	n/a	n/a	n/a	
3	Switzerland	0.77	75.68	0.97		n/a	Algeria	n/a	n/a	n/a	
4	Canada	0.75	72.62	0.96	●	n/a	Angola	n/a	n/a	n/a	
5	Netherlands	0.71	68.26	0.95		n/a	Armenia	n/a	n/a	n/a	
6	United Kingdom	0.70	66.84	0.93		n/a	Azerbaijan	n/a	n/a	n/a	
7	Belgium	0.69	65.70	0.92	●	n/a	Barbados	n/a	n/a	n/a	
8	Portugal	0.66	62.08	0.90	●	n/a	Belarus	n/a	n/a	n/a	
9	Turkey	0.65	61.02	0.89	●	n/a	Benin	n/a	n/a	n/a	
10	Spain	0.65	60.70	0.88	●	n/a	Bhutan	n/a	n/a	n/a	
11	France	0.63	58.55	0.86		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
12	Italy	0.61	56.48	0.85		n/a	Botswana	n/a	n/a	n/a	
13	Austria	0.61	56.32	0.84		n/a	Brunei Darussalam	n/a	n/a	n/a	
14	Denmark	0.61	56.21	0.82		n/a	Burkina Faso	n/a	n/a	n/a	
15	Greece	0.61	55.96	0.81		n/a	Burundi	n/a	n/a	n/a	
16	Germany	0.61	55.63	0.79		n/a	Cabo Verde	n/a	n/a	n/a	
17	Finland	0.60	54.88	0.78		n/a	Cambodia	n/a	n/a	n/a	
18	Norway	0.59	53.86	0.77		n/a	Côte d'Ivoire	n/a	n/a	n/a	
19	Sweden	0.59	53.59	0.75		n/a	Croatia	n/a	n/a	n/a	
20	Zimbabwe	0.48	39.88	0.74	●	n/a	Cyprus	n/a	n/a	n/a	
21	Indonesia	0.45	36.64	0.73	●	n/a	Dominican Republic	n/a	n/a	n/a	
22	Hong Kong (China)	0.40	30.52	0.71		n/a	El Salvador	n/a	n/a	n/a	
23	Malaysia	0.39	28.80	0.70		n/a	Estonia	n/a	n/a	n/a	
24	China	0.37	27.25	0.68		n/a	Ethiopia	n/a	n/a	n/a	
25	South Africa	0.37	27.14	0.67		n/a	Fiji	n/a	n/a	n/a	
26	Singapore	0.37	26.39	0.66		n/a	Gambia	n/a	n/a	n/a	
27	Bahrain	0.35	24.60	0.64		n/a	Georgia	n/a	n/a	n/a	
28	Jamaica	0.35	24.44	0.63		n/a	Ghana	n/a	n/a	n/a	
29	Israel	0.35	24.39	0.62		n/a	Guatemala	n/a	n/a	n/a	
30	Korea, Rep.	0.34	23.91	0.60		n/a	Guinea	n/a	n/a	n/a	
31	Australia	0.34	23.50	0.59		n/a	Guyana	n/a	n/a	n/a	
32	Thailand	0.34	23.31	0.58		n/a	Iceland	n/a	n/a	n/a	
33	Tunisia	0.32	21.22	0.56		n/a	Kazakhstan	n/a	n/a	n/a	
34	Czech Republic	0.32	21.14	0.55		n/a	Kyrgyzstan	n/a	n/a	n/a	
35	Romania	0.32	20.62	0.53		n/a	Latvia	n/a	n/a	n/a	
36	Jordan	0.31	19.98	0.52		n/a	Lebanon	n/a	n/a	n/a	
37	Sri Lanka	0.31	19.97	0.51		n/a	Lesotho	n/a	n/a	n/a	
38	Hungary	0.31	19.96	0.49		n/a	Lithuania	n/a	n/a	n/a	
39	New Zealand	0.31	19.88	0.48	○	n/a	Luxembourg	n/a	n/a	n/a	
40	Bulgaria	0.31	19.76	0.47		n/a	Madagascar	n/a	n/a	n/a	
41	Saudi Arabia	0.31	19.72	0.45		n/a	Malawi	n/a	n/a	n/a	
42	Viet Nam	0.31	19.67	0.44		n/a	Mali	n/a	n/a	n/a	
43	Ukraine	0.30	18.52	0.42		n/a	Malta	n/a	n/a	n/a	
44	Costa Rica	0.29	17.80	0.41		n/a	Mauritius	n/a	n/a	n/a	
45	Kuwait	0.29	17.65	0.40		n/a	Moldova, Rep.	n/a	n/a	n/a	
46	Honduras	0.29	17.31	0.38		n/a	Mongolia	n/a	n/a	n/a	
47	Japan	0.29	17.23	0.37	○	n/a	Montenegro	n/a	n/a	n/a	
48	Poland	0.29	16.88	0.36		n/a	Mozambique	n/a	n/a	n/a	
49	Slovakia	0.28	16.61	0.34		n/a	Myanmar	n/a	n/a	n/a	
50	Senegal	0.28	15.93	0.33		n/a	Namibia	n/a	n/a	n/a	
51	Chile	0.28	15.77	0.32	○	n/a	Nepal	n/a	n/a	n/a	
52	Brazil	0.28	15.76	0.30		n/a	Nicaragua	n/a	n/a	n/a	
53	Philippines	0.27	15.03	0.29		n/a	Niger	n/a	n/a	n/a	
54	Kenya	0.27	14.71	0.27		n/a	Oman	n/a	n/a	n/a	
55	Pakistan	0.26	14.12	0.26		n/a	Paraguay	n/a	n/a	n/a	
56	Uruguay	0.26	14.09	0.25		n/a	Rwanda	n/a	n/a	n/a	
57	Morocco	0.26	14.08	0.23		n/a	Serbia	n/a	n/a	n/a	
58	Russian Federation	0.26	13.90	0.22	○	n/a	Seychelles	n/a	n/a	n/a	
59	United Arab Emirates	0.26	13.61	0.21	○	n/a	Slovenia	n/a	n/a	n/a	
60	Panama	0.26	13.23	0.19		n/a	Sudan	n/a	n/a	n/a	
61	Peru	0.26	13.11	0.18		n/a	Swaziland	n/a	n/a	n/a	
62	Bolivia, Plurinational St.	0.25	12.69	0.16	○	n/a	Tajikistan	n/a	n/a	n/a	
63	Argentina	0.25	12.27	0.15		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
64	Egypt	0.25	11.92	0.14		n/a	TFYR of Macedonia	n/a	n/a	n/a	
65	Colombia	0.24	11.72	0.12	○	n/a	Togo	n/a	n/a	n/a	
66	Iran, Islamic Rep.	0.24	11.45	0.11		n/a	Trinidad and Tobago	n/a	n/a	n/a	
67	Qatar	0.24	11.16	0.10	○	n/a	Uganda	n/a	n/a	n/a	
68	Mexico	0.23	10.48	0.08	○	n/a	Uzbekistan	n/a	n/a	n/a	
69	Venezuela, Bolivarian Rep.	0.23	9.84	0.07	○	n/a	Yemen	n/a	n/a	n/a	
70	Ecuador	0.23	9.70	0.05	○	n/a	Zambia	n/a	n/a	n/a	
71	Nigeria	0.22	8.88	0.04	○						
72	Cameroon	0.19	5.24	0.03	○						
73	Bangladesh	0.17	2.93	0.01	○						

SOURCE: IHS Global Insight, *Information and Communication Technology Database*;
International Monetary Fund *World Economic Outlook 2013* (current US\$ GDP)

NOTE: ● indicates a strength; ○ a weakness.

6.2.4 ISO 9001 quality certificates

ISO 9001 Quality management systems - Requirements: Number of certificates issued (per billion PPP\$ GDP) | 2012

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II: Data Tables

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank
1	Bulgaria	59.30	100.00	0.98	●	74	Costa Rica	4.05	9.21	0.48
1	Italy	75.77	100.00	0.98	●	75	Oman	4.01	9.12	0.48
1	Romania	67.78	100.00	0.98	●	76	Luxembourg	3.94	8.96	0.47
1	Spain	42.82	100.00	0.98	●	77	Seychelles	3.92	8.91	0.46
5	Malta	39.50	92.21	0.97	●	78	Pakistan	3.90	8.86	0.45
6	Serbia	39.40	91.98	0.96	●	79	Honduras	3.69	8.38	0.45
7	Bosnia and Herzegovina	39.25	91.64	0.96	●	80	Morocco	3.64	8.24	0.44
8	Czech Republic	37.65	87.90	0.95	●	81	Bolivia, Plurinational St.	3.42	7.75	0.43
9	Hungary	37.52	87.59	0.94	●	82	Ukraine	3.29	7.44	0.43
10	Croatia	33.70	78.65	0.94	●	83	Swaziland	3.24	7.32	0.42
11	Slovakia	32.83	76.60	0.93	●	84	Brunei Darussalam	3.24	7.31	0.41
12	Switzerland	32.17	75.05	0.92		85	Mexico	3.06	6.90	0.40
13	Israel	31.96	74.56	0.91		86	Fiji	3.05	6.88	0.40
14	Estonia	30.25	70.57	0.91	●	87	Georgia	3.01	6.77	0.39
15	Slovenia	28.21	65.78	0.90		88	Peru	2.87	6.46	0.38
16	China	27.24	63.52	0.89		89	Iran, Islamic Rep.	2.81	6.31	0.38
17	Portugal	27.22	63.46	0.89	●	90	Kuwait	2.79	6.26	0.37
18	Malaysia	23.74	55.33	0.88		91	Qatar	2.71	6.09	0.36
19	TFYR of Macedonia	22.29	51.92	0.87	●	92	Saudi Arabia	2.48	5.53	0.35
20	Latvia	21.45	49.97	0.87	●	93	Kazakhstan	2.47	5.50	0.35
21	Colombia	19.88	46.27	0.86	●	94	Guatemala	2.33	5.18	0.34
22	United Kingdom	19.31	44.96	0.85		95	Zimbabwe	2.23	4.96	0.33
23	Viet Nam	18.27	42.52	0.84	●	96	Benin	2.11	4.67	0.33
24	Lithuania	18.11	42.15	0.84	●	97	Guinea	2.08	4.59	0.32
25	Singapore	18.01	41.90	0.83		98	Madagascar	1.98	4.38	0.31
26	Greece	17.79	41.39	0.82		99	Panama	1.97	4.33	0.30
27	Bahrain	17.41	40.50	0.82		100	Dominican Republic	1.92	4.24	0.30
28	Netherlands	16.41	38.16	0.81		101	Azerbaijan	1.92	4.23	0.29
29	Germany	16.36	38.03	0.80		102	Togo	1.89	4.16	0.28
30	Korea, Rep.	16.09	37.41	0.79		103	Uzbekistan	1.84	4.04	0.28
31	Austria	14.89	34.59	0.79		104	Senegal	1.83	4.01	0.27
32	France	14.13	32.83	0.78		105	Trinidad and Tobago	1.82	4.00	0.26
33	Montenegro	14.13	32.82	0.77	●	106	Nicaragua	1.74	3.81	0.26
34	Uruguay	13.82	32.08	0.77	●	107	Namibia	1.72	3.77	0.25
35	Thailand	13.50	31.35	0.76		108	Mozambique	1.70	3.70	0.24
36	Denmark	13.35	30.98	0.75		109	Bhutan	1.64	3.57	0.23
37	Poland	12.76	29.61	0.74		110	United States of America	1.61	3.50	0.23
38	Cyprus	12.67	29.40	0.74		111	Zambia	1.60	3.49	0.22
39	United Arab Emirates	12.62	29.29	0.73		112	Algeria	1.57	3.40	0.21
40	Sweden	12.58	29.19	0.72		113	Venezuela, Bolivarian Rep.	1.56	3.39	0.21
41	Chile	12.58	29.18	0.72		114	Côte d'Ivoire	1.55	3.37	0.20
42	Ireland	12.49	28.97	0.71		115	Guyana	1.46	3.14	0.19
43	Finland	12.38	28.72	0.70		116	Malawi	1.42	3.05	0.18
44	Mauritius	12.01	27.85	0.70		117	Armenia	1.34	2.86	0.18
45	Brazil	11.07	25.65	0.69		118	Burkina Faso	1.26	2.69	0.17
46	Japan	11.00	25.49	0.68		119	Nepal	1.22	2.60	0.16
47	Moldova, Rep.	10.89	25.24	0.67		120	Belarus	1.17	2.47	0.16
48	Hong Kong (China)	10.14	23.48	0.67		121	Jamaica	1.05	2.20	0.15
49	Australia	9.56	22.11	0.66		122	Sudan	0.98	2.03	0.14
50	Jordan	9.52	22.02	0.65		123	Gambia	0.88	1.79	0.13
51	Belgium	9.42	21.79	0.65		124	Bangladesh	0.85	1.73	0.13
52	Argentina	8.98	20.77	0.64		125	Cameroon	0.76	1.51	0.12
53	Lebanon	8.30	19.18	0.63		126	Mongolia	0.73	1.45	0.11
54	New Zealand	7.51	17.32	0.62		127	Tanzania, United Rep.	0.66	1.27	0.11
55	Turkey	7.00	16.11	0.62		128	Ethiopia	0.62	1.19	0.10
56	South Africa	6.80	15.66	0.61		129	Ghana	0.50	0.89	0.09
57	Barbados	6.32	14.53	0.60		130	Botswana	0.50	0.89	0.09
58	Ecuador	6.31	14.50	0.60		131	Niger	0.46	0.81	0.08
59	India	6.24	14.33	0.59		132	Kyrgyzstan	0.46	0.80	0.07
60	Kenya	6.13	14.09	0.58		133	Yemen	0.45	0.78	0.06
61	Albania	5.94	13.64	0.57		134	Myanmar	0.44	0.76	0.06
62	Norway	5.80	13.31	0.57	○	135	Cambodia	0.36	0.56	0.05
63	Paraguay	5.61	12.88	0.56		136	Uganda	0.33	0.52	0.04
64	Russian Federation	5.02	11.50	0.55		137	Angola	0.27	0.36	0.04
65	Tunisia	4.91	11.24	0.55		138	Lesotho	0.25	0.31	0.03
66	Canada	4.69	10.71	0.54	○	139	Mali	0.22	0.26	0.02
67	Philippines	4.54	10.36	0.53		140	Tajikistan	0.17	0.13	0.01
68	Indonesia	4.48	10.22	0.52		141	Rwanda	0.13	0.04	0.01
69	Egypt	4.46	10.18	0.52		142	Nigeria	0.11	0.00	0.00
70	Iceland	4.33	9.88	0.51		n/a	Burundi	n/a	n/a	n/a
71	Sri Lanka	4.24	9.65	0.50		SOURCE: International Organization for Standardization, <i>The ISO Survey of Certifications</i> , 2012; International Monetary Fund <i>World Economic Outlook</i> 2013 (2010–12)				
72	Cabo Verde	4.17	9.49	0.50		NOTE: ● indicates a strength; ○ a weakness.				
73	El Salvador	4.06	9.23	0.49						

6.2.5 High-tech and medium-high-tech output

High-tech and medium-high-tech output (% of total manufactures output) | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Singapore	70.00	100.00	1.00	●	74	Tanzania, United Rep. (2008)	10.54	13.63	0.23	
2	Switzerland (2007)	63.22	90.16	0.99	●	75	Peru	10.02	12.88	0.22	
3	Ireland (2009)	62.26	88.76	0.98	●	76	Kuwait	9.99	12.84	0.21	
4	Hungary (2009)	56.41	80.26	0.97	●	77	Kenya	9.86	12.64	0.20	
5	Slovakia (2009)	54.87	78.03	0.96	●	78	Sri Lanka	8.85	11.19	0.19	
6	Germany (2009)	53.64	76.24	0.95	●	79	Azerbaijan	8.40	10.53	0.18	
7	Malta (2008)	53.35	75.83	0.94	●	80	Moldova, Rep.	8.21	10.26	0.17	○
8	Japan	51.96	73.80	0.93		81	Malawi (2009)	7.94	9.86	0.16	
9	Korea, Rep. (2008)	48.88	69.32	0.92		82	Iceland (2006)	7.13	8.69	0.15	○
10	Czech Republic (2007)	48.77	69.16	0.91	●	83	Fiji (2009)	6.87	8.31	0.14	○
11	Sweden (2009)	47.76	67.69	0.89		84	Kazakhstan (2007)	6.84	8.26	0.13	○
12	Slovenia	46.34	65.64	0.88		85	Panama (2005)	5.23	5.92	0.12	○
13	Finland (2009)	44.97	63.65	0.87		86	Cameroon (2008)	5.13	5.78	0.11	
14	Denmark (2009)	44.75	63.33	0.86		87	Armenia	4.95	5.52	0.09	○
15	Thailand (2006)	43.88	62.06	0.85		88	Mongolia (2008)	4.21	4.44	0.08	○
16	China	43.59	61.64	0.84		89	Mauritius	3.33	3.16	0.07	○
17	United States of America (2008)	43.27	61.17	0.83		90	Kyrgyzstan	3.26	3.06	0.06	○
18	France (2009)	42.57	60.17	0.82		91	Yemen (2006)	2.94	2.59	0.05	
19	Malaysia	41.00	57.88	0.81		92	Luxembourg (2009)	2.74	2.31	0.04	○
20	Mexico	40.32	56.90	0.80	●	93	Madagascar (2006)	2.42	1.84	0.03	○
21	Brazil	39.57	55.81	0.79	●	94	Tajikistan (2008)	2.40	1.81	0.02	○
22	Austria (2009)	38.10	53.67	0.78		95	Nepal (2008)	1.36	0.30	0.01	○
23	United Kingdom (2009)	37.95	53.45	0.77		96	Albania	1.15	0.00	0.00	○
24	Netherlands (2008)	36.69	51.62	0.76		n/a	Algeria	n/a	n/a	n/a	
25	Iran, Islamic Rep. (2009)	36.30	51.06	0.75	●	n/a	Angola	n/a	n/a	n/a	
26	Italy (2009)	36.23	50.95	0.74		n/a	Argentina	n/a	n/a	n/a	
27	Romania	34.99	49.15	0.73		n/a	Bahrain	n/a	n/a	n/a	
28	Spain (2009)	34.48	48.41	0.72		n/a	Bangladesh	n/a	n/a	n/a	
29	Belgium (2009)	34.21	48.02	0.71		n/a	Barbados	n/a	n/a	n/a	
30	Poland (2009)	33.83	47.47	0.69		n/a	Benin	n/a	n/a	n/a	
31	Israel (2009)	32.86	46.05	0.68		n/a	Bhutan	n/a	n/a	n/a	
32	Indonesia (2009)	32.04	44.87	0.67		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
33	India (2009)	31.76	44.46	0.66		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
34	Estonia	31.40	43.93	0.65		n/a	Botswana	n/a	n/a	n/a	
35	Saudi Arabia (2006)	30.36	42.43	0.64		n/a	Brunei Darussalam	n/a	n/a	n/a	
36	Belarus (2009)	28.71	40.03	0.63		n/a	Burkina Faso	n/a	n/a	n/a	
37	Canada	28.68	39.98	0.62		n/a	Burundi	n/a	n/a	n/a	
38	South Africa	28.24	39.35	0.61		n/a	Cabo Verde	n/a	n/a	n/a	
39	Morocco	27.43	38.17	0.60		n/a	Cambodia	n/a	n/a	n/a	
40	Turkey (2009)	27.23	37.88	0.59		n/a	Côte d'Ivoire	n/a	n/a	n/a	
41	Viet Nam (2008)	26.17	36.33	0.58		n/a	Croatia	n/a	n/a	n/a	
42	Portugal (2009)	24.73	34.25	0.57		n/a	Dominican Republic	n/a	n/a	n/a	
43	Trinidad and Tobago (2006)	24.11	33.35	0.56		n/a	El Salvador	n/a	n/a	n/a	
44	Russian Federation	23.88	33.02	0.55		n/a	Ghana	n/a	n/a	n/a	
45	Pakistan (2006)	23.71	32.77	0.54		n/a	Guatemala	n/a	n/a	n/a	
46	Hong Kong (China)	23.51	32.48	0.53		n/a	Guinea	n/a	n/a	n/a	
47	Colombia	22.05	30.36	0.52		n/a	Guyana	n/a	n/a	n/a	
48	Lebanon (2007)	22.00	30.28	0.51		n/a	Honduras	n/a	n/a	n/a	
49	Chile (2008)	21.73	29.89	0.49		n/a	Jamaica	n/a	n/a	n/a	
50	Ukraine	21.67	29.81	0.48		n/a	Lesotho	n/a	n/a	n/a	
51	Norway (2008)	21.65	29.77	0.47	○	n/a	Mali	n/a	n/a	n/a	
52	Egypt	21.36	29.35	0.46		n/a	Montenegro	n/a	n/a	n/a	
53	Qatar	20.78	28.51	0.45		n/a	Mozambique	n/a	n/a	n/a	
54	Australia	20.25	27.74	0.44	○	n/a	Myanmar	n/a	n/a	n/a	
55	Jordan	19.83	27.13	0.43		n/a	Namibia	n/a	n/a	n/a	
56	Serbia	19.77	27.04	0.42		n/a	Nicaragua	n/a	n/a	n/a	
57	Lithuania	19.65	26.86	0.41		n/a	Niger	n/a	n/a	n/a	
58	Bulgaria	18.36	25.00	0.40		n/a	Nigeria	n/a	n/a	n/a	
59	Gambia (2004)	16.81	22.74	0.39		n/a	Paraguay	n/a	n/a	n/a	
60	Philippines (2008)	16.28	21.97	0.38		n/a	Rwanda	n/a	n/a	n/a	
61	Senegal	15.28	20.52	0.37		n/a	Seychelles	n/a	n/a	n/a	
62	Latvia	15.20	20.40	0.36	○	n/a	Sudan	n/a	n/a	n/a	
63	New Zealand (2009)	15.06	20.20	0.35	○	n/a	Swaziland	n/a	n/a	n/a	
64	Oman	14.87	19.93	0.34		n/a	Togo	n/a	n/a	n/a	
65	Greece (2007)	14.08	18.77	0.33		n/a	Uganda	n/a	n/a	n/a	
66	Ecuador (2008)	13.96	18.61	0.32		n/a	United Arab Emirates	n/a	n/a	n/a	
67	Cyprus	13.82	18.40	0.31		n/a	Uzbekistan	n/a	n/a	n/a	
68	TFYR of Macedonia	13.75	18.30	0.29		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
69	Georgia	13.24	17.56	0.28		n/a	Zambia	n/a	n/a	n/a	
70	Tunisia (2006)	11.78	15.44	0.27		n/a	Zimbabwe	n/a	n/a	n/a	
71	Uruguay (2008)	11.65	15.25	0.26							
72	Costa Rica	11.59	15.15	0.25							
73	Ethiopia (2009)	10.87	14.11	0.24							

SOURCE: United Nations Industrial Development Organization, *Industrial Statistics Database INDSTAT4 2012*; OECD, 'ISIC Rev. 3 Tech. Intensity Def.' (2004–10)

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	United States of America	5.08	100.00	1.00	●	74	Kyrgyzstan (2011)	0.03	7.37	0.35	
2	Switzerland (2011)	4.99	99.54	0.99	●	75	Albania	0.03	6.93	0.35	
3	Netherlands	4.69	98.01	0.98	●	76	Senegal (2010)	0.03	6.42	0.34	
4	Finland	3.51	90.82	0.97		77	Fiji (2010)	0.03	6.39	0.33	
5	Guyana (2010)	3.38	89.89	0.96	●	78	Indonesia	0.03	6.04	0.32	
6	Japan	3.31	89.33	0.96		79	Lebanon (2011)	0.03	5.65	0.31	
7	Sweden	2.85	85.64	0.95		80	Cyprus (2011)	0.03	5.59	0.30	
8	Iceland (2011)	2.84	85.55	0.94		81	Costa Rica	0.02	5.48	0.29	
9	Ireland	2.38	81.23	0.93		82	Mongolia	0.02	5.42	0.28	
10	Paraguay (2011)	2.37	81.15	0.92	●	83	Tajikistan (2011)	0.02	5.35	0.27	
11	Rwanda (2011)	2.07	77.82	0.91	●	84	Angola (2008)	0.02	5.10	0.27	●
12	France	1.59	71.56	0.90	●	85	Sudan (2011)	0.02	5.09	0.26	
13	Denmark	1.54	70.66	0.89		86	Burkina Faso (2010)	0.02	4.62	0.25	
14	United Kingdom	1.45	69.27	0.88		87	Zimbabwe (2011)	0.02	4.55	0.24	
15	Israel	1.25	65.88	0.88		88	Mauritius	0.02	4.53	0.23	○
16	Hungary	0.96	59.67	0.87	●	89	Pakistan	0.02	3.98	0.22	
17	Luxembourg	0.85	56.98	0.86		90	Lithuania	0.01	3.37	0.21	○
18	Germany	0.80	55.56	0.85		91	Peru (2011)	0.01	2.69	0.20	
19	Belgium	0.66	51.29	0.84		92	Philippines	0.01	2.67	0.19	
20	Canada	0.65	50.77	0.83		93	Swaziland (2010)	0.01	2.62	0.19	
21	Italy	0.64	50.36	0.82		94	Iran, Islamic Rep. (2010)	0.01	2.05	0.18	
22	Korea, Rep.	0.54	46.64	0.81		95	Mali (2010)	0.01	1.80	0.17	
23	Madagascar (2011)	0.51	45.62	0.81	●	96	Guinea (2008)	0.01	1.49	0.16	
24	New Zealand	0.46	43.31	0.80		97	Slovakia	0.01	1.35	0.15	○
25	Kenya (2011)	0.44	42.29	0.79	●	98	Cameroon (2010)	0.01	1.26	0.14	
26	Yemen (2009)	0.40	40.40	0.78	●	99	Morocco	0.00	1.09	0.13	○
27	Austria	0.37	39.12	0.77		100	Ethiopia (2010)	0.00	0.83	0.12	
28	Romania	0.33	36.83	0.76	●	101	Bangladesh (2011)	0.00	0.74	0.12	
29	Uganda	0.33	36.76	0.75	●	102	Botswana	0.00	0.73	0.11	○
30	Singapore	0.31	35.82	0.74		103	Algeria (2011)	0.00	0.67	0.10	
31	Spain	0.30	34.81	0.73		104	Trinidad and Tobago (2011)	0.00	0.53	0.09	○
32	Australia	0.27	32.82	0.73		105	Uruguay	0.00	0.34	0.08	○
33	Slovenia	0.26	31.97	0.72		106	Côte d'Ivoire (2009)	0.00	0.29	0.07	○
34	Egypt (2007)	0.25	31.72	0.71	●	107	Bhutan	0.00	0.26	0.06	○
35	Malta	0.25	31.50	0.70		108	Togo (2010)	0.00	0.17	0.05	
36	Norway	0.21	28.72	0.69		109	Burundi (2011)	0.00	0.03	0.04	
37	Serbia	0.19	26.97	0.68		110	Namibia (2011)	0.00	0.03	0.04	○
38	Argentina	0.18	26.07	0.67		111	Niger (2007)	0.00	0.02	0.03	
39	Brazil	0.18	25.47	0.66		112	Azerbaijan	0.00	0.00	0.02	○
40	Barbados (2010)	0.16	24.30	0.65		113	Cabo Verde	0.00	0.00	0.01	○
41	Bosnia and Herzegovina	0.16	23.66	0.65		114	Benin (2010)	0.00	0.00	0.00	○
42	Czech Republic	0.13	21.45	0.64		n/a	Armenia	n/a	n/a	n/a	
43	Colombia	0.13	21.42	0.63		n/a	Bahrain	n/a	n/a	n/a	
44	Seychelles (2011)	0.13	21.41	0.62		n/a	Brunei Darussalam	n/a	n/a	n/a	
45	Guatemala	0.13	21.32	0.61		n/a	Dominican Republic	n/a	n/a	n/a	
46	El Salvador	0.13	21.22	0.60		n/a	Ecuador	n/a	n/a	n/a	
47	Ukraine	0.13	20.78	0.59		n/a	Gambia	n/a	n/a	n/a	
48	Russian Federation	0.13	20.66	0.58		n/a	Ghana	n/a	n/a	n/a	
49	Croatia	0.12	20.18	0.58		n/a	Honduras	n/a	n/a	n/a	
50	Greece	0.12	20.09	0.57		n/a	Jordan	n/a	n/a	n/a	
51	TFYR of Macedonia	0.11	19.07	0.56		n/a	Kazakhstan	n/a	n/a	n/a	
52	Tunisia (2011)	0.11	18.62	0.55		n/a	Kuwait	n/a	n/a	n/a	
53	Moldova, Rep.	0.10	17.27	0.54		n/a	Lesotho	n/a	n/a	n/a	
54	Bulgaria	0.10	17.25	0.53		n/a	Malawi	n/a	n/a	n/a	
55	Poland	0.10	17.22	0.52		n/a	Mexico	n/a	n/a	n/a	
56	Thailand	0.09	15.86	0.51		n/a	Myanmar	n/a	n/a	n/a	
57	Hong Kong (China) (2011)	0.09	15.75	0.50		n/a	Nepal	n/a	n/a	n/a	
58	Chile	0.08	15.23	0.50		n/a	Nicaragua	n/a	n/a	n/a	
59	Jamaica	0.08	14.92	0.49		n/a	Nigeria	n/a	n/a	n/a	
60	Bolivia, Plurinational St. (2011)	0.08	14.77	0.48		n/a	Oman	n/a	n/a	n/a	
61	India	0.06	12.31	0.47		n/a	Qatar	n/a	n/a	n/a	
62	Estonia	0.06	11.99	0.46		n/a	Saudi Arabia	n/a	n/a	n/a	
63	South Africa	0.06	11.60	0.45		n/a	Sri Lanka	n/a	n/a	n/a	
64	Portugal	0.06	11.03	0.44		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
65	Malaysia	0.05	10.88	0.43		n/a	Turkey	n/a	n/a	n/a	
66	Latvia	0.05	10.36	0.42		n/a	United Arab Emirates	n/a	n/a	n/a	
67	Mozambique	0.05	10.16	0.42		n/a	Uzbekistan	n/a	n/a	n/a	
68	China	0.05	9.95	0.41		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
69	Georgia	0.04	9.25	0.40		n/a	Viet Nam	n/a	n/a	n/a	
70	Belarus	0.04	9.16	0.39		n/a	Zambia	n/a	n/a	n/a	
71	Panama	0.04	8.96	0.38							
72	Cambodia	0.04	8.91	0.37							
73	Montenegro (2011)	0.03	7.41	0.36							

SOURCE: World Trade Organization, *Trade in Commercial Services* database, based on the International Monetary Fund *Balance of Payments* database (2007–12)

NOTE: ● indicates a strength; ○ a weakness.

6.3.2 High-tech exports

High-tech net exports (% of total trade) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	China	27.81	100.00	1.00	●	74	Dominican Republic	0.83	2.97	0.42	
2	Malaysia	26.88	96.63	0.99	●	75	Chile	0.63	2.25	0.41	
3	Singapore	26.04	93.64	0.98	●	76	Jordan	0.60	2.15	0.40	
4	Korea, Rep.	20.36	73.19	0.98	●	77	Moldova, Rep.	0.58	2.07	0.40	
5	Panama (2011)	19.37	69.66	0.97	●	78	Cyprus	0.56	2.00	0.39	
6	Viet Nam	17.78	63.92	0.96	●	79	Paraguay	0.54	1.92	0.38	
7	Czech Republic	17.15	61.66	0.95	●	80	Bolivia, Plurinational St.	0.50	1.78	0.37	
8	Hungary	15.36	55.22	0.94	●	81	Iran, Islamic Rep. (2011)	0.47	1.69	0.37	
9	Costa Rica	15.27	54.92	0.94	●	82	Montenegro	0.45	1.60	0.36	
10	Malta	14.79	53.17	0.93	●	83	Peru	0.41	1.47	0.35	
11	Mexico	14.68	52.77	0.92	●	84	Ghana	0.41	1.47	0.34	
12	France	14.26	51.27	0.91	●	85	Oman	0.38	1.36	0.33	
13	Thailand	13.63	49.00	0.90	●	86	Honduras	0.37	1.35	0.33	
14	Switzerland	13.53	48.64	0.90		87	Zimbabwe	0.37	1.33	0.32	
15	Japan	13.42	48.25	0.89		88	Sri Lanka	0.34	1.23	0.31	
16	Israel	13.12	47.16	0.88		89	Kyrgyzstan	0.33	1.20	0.30	
17	Netherlands	12.60	45.30	0.87		90	Mongolia (2007)	0.29	1.03	0.29	
18	Ireland	12.21	43.91	0.87		91	Georgia	0.28	0.99	0.29	
19	Germany	11.91	42.83	0.86		92	Niger	0.21	0.76	0.28	
20	Estonia	11.06	39.76	0.85		93	Lebanon (2011)	0.21	0.75	0.27	
21	Sweden	9.51	34.18	0.84		94	Armenia	0.21	0.75	0.26	
22	United Kingdom	9.31	33.48	0.83		95	Ecuador	0.20	0.74	0.25	
23	Belgium	9.30	33.44	0.83		96	Albania	0.19	0.69	0.25	
24	Austria	8.30	29.85	0.82		97	Cambodia	0.19	0.68	0.24	
25	Slovakia	7.54	27.11	0.81		98	Senegal	0.18	0.65	0.23	
26	United States of America	6.93	24.91	0.80		99	Fiji	0.18	0.65	0.22	
27	Denmark	6.11	21.96	0.79		100	Mali	0.17	0.63	0.21	
28	Finland	5.30	19.07	0.79		101	Hong Kong (China)	0.17	0.62	0.21	○
29	Romania	5.07	18.23	0.78	●	102	Azerbaijan	0.17	0.60	0.20	
30	Italy	4.97	17.88	0.77		103	Burundi (2010)	0.16	0.57	0.19	
31	Lithuania	4.85	17.42	0.76		104	Mauritius	0.16	0.57	0.18	○
32	Canada	4.84	17.39	0.75		105	Egypt	0.14	0.49	0.17	
33	Poland	4.74	17.03	0.75		106	Nicaragua	0.13	0.45	0.17	
34	Tunisia (2011)	4.52	16.25	0.74	●	107	Burkina Faso (2011)	0.11	0.39	0.16	
35	Slovenia	4.50	16.16	0.73		108	United Arab Emirates (2008)	0.09	0.32	0.15	○
36	Kazakhstan	4.47	16.07	0.72		109	Nigeria	0.09	0.32	0.14	
37	Latvia	4.42	15.89	0.71		110	Saudi Arabia	0.09	0.32	0.13	○
38	Croatia	3.77	13.54	0.71		111	Rwanda	0.08	0.28	0.13	
39	Indonesia	3.41	12.26	0.70		112	Jamaica	0.08	0.27	0.12	○
40	Spain	3.31	11.89	0.69		113	Ethiopia	0.07	0.26	0.11	
41	Brazil	3.26	11.71	0.68		114	Nepal (2011)	0.07	0.24	0.10	
42	Norway	3.03	10.90	0.67		115	Sudan	0.07	0.24	0.10	
43	Bulgaria	2.94	10.55	0.67		116	Madagascar	0.06	0.22	0.09	
44	Uganda	2.89	10.39	0.66	●	117	Togo	0.05	0.19	0.08	
45	India	2.78	10.01	0.65		118	Trinidad and Tobago (2010)	0.03	0.11	0.07	○
46	Ukraine	2.75	9.89	0.64		119	Gambia (2011)	0.01	0.03	0.06	○
47	Zambia (2011)	2.67	9.59	0.63		120	Bahrain (2011)	0.01	0.03	0.06	○
48	El Salvador	2.55	9.16	0.63		121	Cabo Verde (2011)	0.01	0.02	0.05	○
49	Serbia	2.49	8.97	0.62		122	Yemen	0.01	0.02	0.04	
50	Portugal	2.28	8.21	0.61		123	Guyana	0.00	0.01	0.03	○
51	Argentina	2.22	7.98	0.60		124	Algeria	0.00	0.01	0.02	○
52	Namibia	1.95	7.03	0.60		125	Qatar (2011)	0.00	0.01	0.02	○
53	TFYR of Macedonia	1.91	6.86	0.59		126	Myanmar (2010)	0.00	0.00	0.01	
54	South Africa	1.87	6.72	0.58		127	Bhutan (2011)	0.00	0.00	0.00	○
55	Greece	1.77	6.36	0.57		n/a	Angola	n/a	n/a	n/a	
56	Australia	1.72	6.17	0.56		n/a	Bangladesh	n/a	n/a	n/a	
57	Mozambique	1.65	5.92	0.56		n/a	Barbados	n/a	n/a	n/a	
58	New Zealand	1.60	5.74	0.55		n/a	Benin	n/a	n/a	n/a	
59	Russian Federation	1.48	5.33	0.54		n/a	Botswana	n/a	n/a	n/a	
60	Iceland	1.46	5.24	0.53		n/a	Cameroon	n/a	n/a	n/a	
61	Uruguay	1.44	5.18	0.52		n/a	Guinea	n/a	n/a	n/a	
62	Guatemala	1.35	4.85	0.52		n/a	Kuwait	n/a	n/a	n/a	
63	Belarus	1.25	4.50	0.51		n/a	Lesotho	n/a	n/a	n/a	
64	Brunei Darussalam	1.23	4.42	0.50		n/a	Morocco	n/a	n/a	n/a	
65	Luxembourg	1.19	4.26	0.49		n/a	Philippines	n/a	n/a	n/a	
66	Kenya (2010)	1.09	3.93	0.48		n/a	Seychelles	n/a	n/a	n/a	
67	Turkey	1.03	3.69	0.48		n/a	Swaziland	n/a	n/a	n/a	
68	Malawi (2011)	1.03	3.69	0.47		n/a	Tajikistan	n/a	n/a	n/a	
69	Bosnia and Herzegovina	0.96	3.45	0.46		n/a	Uzbekistan	n/a	n/a	n/a	
70	Tanzania, United Rep.	0.94	3.38	0.45		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
71	Côte d'Ivoire	0.88	3.17	0.44	●						
72	Colombia	0.85	3.06	0.44							
73	Pakistan	0.84	3.02	0.43							

SOURCE: United Nations, COMTRADE database; Eurostat 'High-technology' aggregations based on SITC Rev. 4, April 2009 (2007–12)

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Costa Rica	10.50	100.00	0.97	●	74	Iceland (2011)	1.28	20.79	0.47	
1	Finland	6.02	100.00	0.97		75	Nicaragua	1.27	20.68	0.46	
1	India	9.83	100.00	0.97	●	76	Bosnia and Herzegovina	1.22	19.87	0.45	
1	Ireland	23.66	100.00	0.97	●	77	United States of America (2011)	1.20	19.52	0.45	
1	Israel	12.69	100.00	0.97	●	78	Belarus	1.19	19.28	0.44	
6	Gambia (2009)	5.99	99.50	0.96	●	79	Cyprus	1.17	18.98	0.43	
7	Luxembourg	4.69	77.77	0.96		80	Malaysia	1.14	18.45	0.42	
8	Senegal (2010)	4.42	73.25	0.95	●	81	Yemen (2011)	1.04	16.82	0.42	
9	Moldova, Rep.	4.26	70.62	0.94	●	82	Cambodia	1.00	16.05	0.41	
10	Sweden	4.21	69.73	0.93		83	Bolivia, Plurinational St. (2011)	0.99	15.96	0.40	
11	Kuwait	3.95	65.45	0.93	●	84	Swaziland (2010)	0.99	15.95	0.39	
12	Mali (2010)	3.92	64.94	0.92	●	85	New Zealand	0.97	15.66	0.39	
13	Togo (2008)	3.80	62.95	0.91	●	86	Côte d'Ivoire (2010)	0.91	14.60	0.38	
14	Guyana (2010)	3.69	61.14	0.91	●	87	Australia	0.88	14.14	0.37	
15	Philippines	3.59	59.43	0.90	●	88	Slovakia	0.82	13.15	0.36	
16	Bahrain (2011)	3.40	56.29	0.89	●	89	China	0.76	12.11	0.36	
17	Albania	3.32	54.97	0.88	●	90	Niger (2009)	0.71	11.21	0.35	
18	United Kingdom	3.32	54.94	0.88		91	Georgia	0.70	11.15	0.34	
19	Sri Lanka	3.10	51.17	0.87	●	92	Cameroon (2010)	0.70	11.12	0.34	
20	Kenya (2011)	3.08	50.93	0.86	●	93	Russian Federation	0.70	11.09	0.33	
21	Morocco (2011)	2.78	45.89	0.85	●	94	Burundi (2011)	0.69	10.87	0.32	
22	Guatemala	2.78	45.84	0.85	●	95	Seychelles (2011)	0.66	10.42	0.31	
23	Armenia	2.68	44.22	0.84	●	96	Singapore (2008)	0.65	10.31	0.31	
24	Mauritius	2.57	42.30	0.83	●	97	Fiji (2010)	0.61	9.64	0.30	
25	Jamaica (2011)	2.55	41.95	0.82	●	98	Indonesia	0.61	9.60	0.29	
26	Cabo Verde	2.45	40.37	0.82	●	99	Mozambique	0.59	9.26	0.28	
27	Burkina Faso (2010)	2.40	39.58	0.81	●	100	Lithuania	0.59	9.24	0.28	
28	Nepal (2011)	2.40	39.51	0.80	●	101	Ecuador	0.55	8.54	0.27	
29	El Salvador	2.39	39.32	0.80	●	102	Colombia	0.54	8.46	0.26	
30	Belgium	2.32	38.19	0.79		103	Hong Kong (China) (2011)	0.48	7.39	0.26	
31	Argentina	2.29	37.67	0.78	●	104	Tanzania, United Rep. (2011)	0.43	6.55	0.25	
32	Estonia	2.29	37.63	0.77		105	South Africa	0.42	6.42	0.24	
33	TFYR of Macedonia	2.28	37.49	0.77		106	Qatar	0.42	6.41	0.23	
34	Serbia (2011)	2.26	37.23	0.76		107	Chile	0.40	6.15	0.23	
35	Croatia	2.21	36.40	0.75		108	Sudan	0.39	5.97	0.22	
36	Romania	2.21	36.31	0.74		109	Brunei Darussalam (2009)	0.37	5.65	0.21	
37	Honduras	2.14	35.17	0.74	●	110	Azerbaijan	0.35	5.31	0.20	
38	Austria	2.10	34.45	0.73		111	Lesotho (2011)	0.34	5.15	0.20	
39	Tajikistan (2011)	2.09	34.37	0.72	●	112	Mongolia	0.34	5.03	0.19	
40	Bulgaria	2.04	33.55	0.72		113	Peru (2011)	0.34	5.03	0.18	
41	Montenegro (2011)	2.03	33.26	0.71		114	Brazil	0.34	5.01	0.18	
42	Spain	1.97	32.30	0.70		115	Malawi (2011)	0.33	4.92	0.17	
43	Germany	1.87	30.67	0.69		116	Zambia (2011)	0.31	4.63	0.16	
44	Ethiopia	1.85	30.39	0.69	●	117	Kyrgyzstan	0.30	4.48	0.15	
45	Panama	1.85	30.39	0.68		118	Algeria (2011)	0.30	4.33	0.15	
46	Canada (2011)	1.84	30.08	0.67		119	Japan	0.24	3.42	0.14	
47	Latvia	1.82	29.90	0.66		120	Namibia	0.24	3.41	0.13	
48	Barbados (2010)	1.81	29.63	0.66		121	Switzerland	0.23	3.30	0.12	
49	Netherlands	1.81	29.63	0.65		122	Turkey	0.21	2.87	0.12	
50	Lebanon (2011)	1.70	27.75	0.64		123	Korea, Rep.	0.21	2.83	0.11	
51	Benin (2010)	1.69	27.58	0.64	●	124	Thailand	0.18	2.37	0.10	
52	Czech Republic	1.68	27.41	0.63		125	Venezuela, Bolivarian Rep.	0.18	2.32	0.09	
53	Egypt (2011)	1.66	27.22	0.62		126	Oman	0.17	2.25	0.09	
54	Slovenia	1.63	26.66	0.61		127	Kazakhstan	0.17	2.23	0.08	
55	Tunisia (2011)	1.61	26.31	0.61		128	Iran, Islamic Rep. (2010)	0.15	1.90	0.07	
56	Ukraine	1.60	26.19	0.60		129	Bhutan	0.15	1.82	0.07	
57	Guinea (2011)	1.58	25.84	0.59	●	130	Paraguay (2011)	0.13	1.58	0.06	
58	Denmark	1.56	25.55	0.58		131	Viet Nam	0.11	1.31	0.05	
59	Pakistan	1.55	25.24	0.58	●	132	Saudi Arabia	0.10	1.13	0.04	
60	Uruguay	1.53	25.02	0.57		133	Botswana	0.10	0.99	0.04	
61	Portugal	1.52	24.84	0.56		134	Angola (2011)	0.07	0.62	0.03	
62	Bangladesh (2011)	1.45	23.57	0.55	●	135	Mexico	0.07	0.48	0.02	
63	Malta	1.43	23.27	0.55		136	Trinidad and Tobago (2011)	0.06	0.43	0.01	
64	Hungary	1.41	23.02	0.54		137	Nigeria	0.06	0.37	0.01	
65	Italy	1.38	22.47	0.53		138	Zimbabwe (2011)	0.04	0.00	0.00	
66	Greece	1.37	22.26	0.53		n/a	Ghana	n/a	n/a	n/a	
67	Dominican Republic (2011)	1.37	22.23	0.52		n/a	Jordan	n/a	n/a	n/a	
68	Norway	1.32	21.54	0.51	○	n/a	Myanmar	n/a	n/a	n/a	
69	Poland	1.32	21.45	0.50		n/a	United Arab Emirates	n/a	n/a	n/a	
70	Rwanda (2010)	1.31	21.37	0.50		n/a	Uzbekistan	n/a	n/a	n/a	
71	Madagascar (2011)	1.31	21.25	0.49		SOURCE: World Trade Organization, <i>Trade in Commercial Services</i> database, based on the International Monetary Fund <i>Balance of Payments</i> database (2007–12)					
72	France	1.31	21.24	0.48	○	NOTE: ● indicates a strength; ○ a weakness.					
73	Uganda	1.31	21.23	0.47							

6.3.4 Foreign direct investment net outflows

Foreign direct investment (FDI), net outflows (% of GDP) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Mauritius	655.23	100.00	1.00	●	74	Brazil	0.36	49.03	0.41	
2	Luxembourg	487.10	95.62	0.99	●	75	Poland	0.28	48.98	0.40	
3	Hong Kong (China)	31.90	61.64	0.98		76	Greece	0.27	48.98	0.40	
4	Ireland	10.12	54.12	0.98	●	77	Belarus	0.25	48.96	0.39	
5	Singapore	8.40	53.34	0.97		78	Argentina	0.22	48.94	0.38	
6	Chile	7.81	53.06	0.96	●	79	Cambodia	0.22	48.94	0.37	
7	Barbados (2010)	7.66	52.99	0.95	●	80	Cabo Verde	0.22	48.94	0.36	
8	Azerbaijan	6.73	52.54	0.94	●	81	Côte d'Ivoire (2010)	0.19	48.93	0.35	
9	Malta	6.21	52.28	0.94	●	82	Fiji (2010)	0.18	48.92	0.35	
10	Norway	6.19	52.27	0.93		83	Armenia	0.16	48.90	0.34	
11	Malaysia	5.53	51.94	0.92	●	84	Namibia (2011)	0.16	48.90	0.33	
12	Kuwait (2011)	5.53	51.93	0.91	●	85	Brunei Darussalam (2006)	0.15	48.90	0.32	
13	Switzerland	5.01	51.67	0.90		86	Sri Lanka	0.14	48.89	0.31	
14	Estonia	4.87	51.59	0.90		87	Serbia	0.14	48.89	0.31	
15	Hungary	4.73	51.52	0.89	●	88	Lesotho	0.14	48.89	0.30	
16	Trinidad and Tobago (2011)	4.50	51.40	0.88	●	89	Swaziland (2010)	0.11	48.87	0.29	
17	Austria	4.45	51.37	0.87		90	Senegal (2010)	0.09	48.86	0.28	
18	Sweden	3.53	50.87	0.86		91	Honduras	0.08	48.86	0.27	
19	Qatar (2011)	3.52	50.87	0.85		92	Egypt	0.08	48.86	0.27	
20	Thailand	3.45	50.83	0.85		93	Mozambique	0.06	48.84	0.26	
21	Finland	3.38	50.79	0.84		94	Romania	0.06	48.84	0.25	○
22	Bahrain (2011)	3.08	50.62	0.83	●	95	Seychelles	0.05	48.84	0.24	
23	Canada	3.05	50.61	0.82		96	Kenya	0.04	48.83	0.23	
24	Belgium	2.98	50.57	0.81		97	Pakistan	0.04	48.83	0.23	
25	United Kingdom	2.88	50.51	0.81		98	Algeria	0.04	48.83	0.22	
26	United States of America	2.62	50.37	0.80		99	Burundi (2008)	0.04	48.83	0.21	
27	Albania	2.60	50.35	0.79	●	100	Guinea	0.03	48.83	0.20	
28	Germany	2.56	50.33	0.78		101	Jordan	0.02	48.82	0.19	○
29	Togo (2010)	2.40	50.24	0.77	●	102	Burkina Faso (2010)	0.01	48.81	0.19	
30	Angola	2.40	50.24	0.77	●	103	Ghana	0.00	48.81	0.18	
31	Russian Federation	2.39	50.24	0.76		104	Bolivia, Plurinational St. (2011)	0.00	48.81	0.17	
32	Portugal	2.36	50.22	0.75		105	Bangladesh	0.00	48.81	0.16	
33	Korea, Rep.	2.09	50.06	0.74		106	Kyrgyzstan	0.00	48.81	0.15	
34	Japan	2.07	50.05	0.73		107	Bosnia and Herzegovina	0.00	48.80	0.15	○
35	Israel (2011)	2.06	50.05	0.73		108	Uganda (2011)	-0.01	48.80	0.14	
36	Mexico	1.99	50.00	0.72		109	Guatemala	-0.03	48.79	0.13	
37	TFYR of Macedonia	1.92	49.97	0.71		110	Peru	-0.03	48.79	0.12	○
38	Denmark	1.72	49.85	0.70		111	Botswana	-0.07	48.76	0.11	
39	Costa Rica	1.72	49.85	0.69		112	Colombia	-0.08	48.75	0.10	○
40	France	1.52	49.73	0.69		113	Jamaica	-0.16	48.70	0.10	○
41	China	1.42	49.67	0.68		114	El Salvador	-0.21	48.68	0.09	○
42	Georgia	1.38	49.65	0.67		115	Croatia	-0.24	48.65	0.08	○
43	Lebanon	1.33	49.62	0.66		116	New Zealand	-0.30	48.62	0.07	○
44	Kazakhstan	1.32	49.61	0.65		117	Netherlands	-0.95	48.20	0.06	○
45	Malawi	1.17	49.52	0.65	●	118	Slovenia	-0.97	48.18	0.06	○
46	South Africa	1.12	49.49	0.64		119	Cameroon	-1.12	48.09	0.05	○
47	Bulgaria	1.07	49.46	0.63		120	Cyprus	-1.49	47.84	0.04	○
48	Panama	1.00	49.42	0.62		121	Slovakia	-1.55	47.80	0.03	○
49	Australia	0.88	49.35	0.61		122	Benin (2010)	-2.15	47.39	0.02	○
50	Zambia	0.86	49.33	0.60		123	Niger (2010)	-3.57	46.38	0.02	○
51	Oman (2011)	0.82	49.31	0.60		124	Mali (2010)	-3.94	46.11	0.01	○
52	Viet Nam	0.77	49.28	0.59		125	Iceland	-23.54	0.00	0.00	○
53	Philippines	0.74	49.26	0.58		n/a	Bhutan	n/a	n/a	n/a	
54	Italy	0.72	49.25	0.57		n/a	Ecuador	n/a	n/a	n/a	
55	Ukraine	0.68	49.23	0.56		n/a	Ethiopia	n/a	n/a	n/a	
56	Czech Republic	0.68	49.23	0.56		n/a	Gambia	n/a	n/a	n/a	
57	Lithuania	0.65	49.21	0.55		n/a	Guyana	n/a	n/a	n/a	
58	Montenegro	0.64	49.20	0.54		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
59	Saudi Arabia	0.62	49.19	0.53		n/a	Madagascar	n/a	n/a	n/a	
60	Indonesia	0.60	49.18	0.52		n/a	Myanmar	n/a	n/a	n/a	
61	Nigeria	0.59	49.17	0.52	●	n/a	Nepal	n/a	n/a	n/a	
62	Latvia	0.57	49.16	0.51		n/a	Rwanda	n/a	n/a	n/a	
63	Turkey	0.52	49.13	0.50		n/a	Sudan	n/a	n/a	n/a	
64	India	0.46	49.09	0.49		n/a	Tajikistan	n/a	n/a	n/a	
65	Dominican Republic	0.46	49.09	0.48		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
66	Mongolia	0.43	49.07	0.48		n/a	Tunisia	n/a	n/a	n/a	
67	Nicaragua	0.42	49.07	0.47		n/a	United Arab Emirates	n/a	n/a	n/a	
68	Moldova, Rep.	0.41	49.06	0.46		n/a	Uzbekistan	n/a	n/a	n/a	
69	Venezuela, Bolivarian Rep.	0.38	49.04	0.45		n/a	Yemen	n/a	n/a	n/a	
70	Uruguay	0.38	49.04	0.44		n/a	Zimbabwe	n/a	n/a	n/a	
71	Morocco	0.37	49.04	0.44							
72	Paraguay	0.36	49.03	0.43							
73	Spain	0.36	49.03	0.42	○						

SOURCE: International Monetary Fund (with World Bank and OECD GDP estimates), extracted from World Bank *World Development Indicators* (2007–12)

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Moldova, Rep.	257.80	100.00	0.98	●	74	Kazakhstan (2008)	28.94	11.22	0.28	
1	Mongolia (2010)	294.59	100.00	0.98	●	75	Malaysia (2011)	28.25	10.96	0.27	○
1	Paraguay (2010)	347.56	100.00	0.98	●	76	Pakistan	28.05	10.88	0.26	
4	Turkey	174.68	67.76	0.97	●	77	Barbados	28.01	10.87	0.25	○
5	Bulgaria	145.96	56.62	0.96	●	78	Bangladesh	27.39	10.62	0.24	
6	Luxembourg	135.73	52.65	0.95		79	Zambia	26.72	10.36	0.23	
7	Iceland	124.64	48.35	0.94		80	Malawi (2006)	25.52	9.90	0.22	
8	China	122.54	47.53	0.93		81	Cambodia	24.79	9.62	0.21	
9	Belarus	121.70	47.21	0.92	●	82	Singapore	21.57	8.37	0.20	○
10	New Zealand	121.30	47.05	0.91		83	Nepal (2007)	20.79	8.07	0.19	
11	Czech Republic	115.23	44.70	0.90		84	United States of America	20.30	7.88	0.18	○
12	Costa Rica	111.07	43.09	0.89	●	85	Kyrgyzstan	17.51	6.79	0.17	
13	Malta	107.77	41.80	0.88		86	Albania (2011)	17.02	6.60	0.16	
14	Viet Nam	104.40	40.50	0.87	●	87	Bosnia and Herzegovina	16.95	6.57	0.15	○
15	Armenia	102.12	39.61	0.86	●	88	Gambia (2007)	16.06	6.23	0.14	
16	Switzerland	101.78	39.48	0.85		89	Tajikistan	15.61	6.05	0.13	
17	TFYR of Macedonia (2004)	96.94	37.60	0.84	●	90	Ireland	13.78	5.35	0.12	○
18	Madagascar	94.30	36.58	0.83	●	91	Algeria	12.76	4.95	0.11	
19	Portugal	93.75	36.37	0.82		92	Israel	12.37	4.80	0.10	○
20	Ukraine	91.69	35.57	0.81	●	93	Slovenia	12.32	4.78	0.09	○
21	Chile	88.88	34.48	0.80		94	France	10.85	4.21	0.08	○
22	Morocco	88.83	34.46	0.79	●	95	Sudan	9.96	3.86	0.07	
23	Korea, Rep.	88.20	34.21	0.78		96	Bahrain	9.39	3.64	0.06	○
24	Romania	83.52	32.40	0.77	●	97	Rwanda	7.26	2.81	0.05	○
25	Argentina	83.20	32.27	0.76	●	98	Greece	5.05	1.96	0.04	○
26	Cyprus	81.13	31.47	0.75		99	Brunei Darussalam	3.93	1.52	0.03	○
27	Estonia	81.06	31.44	0.74		100	Tanzania, United Rep. (2007)	0.96	0.37	0.02	○
28	Panama	80.03	31.04	0.73		101	Japan (2009)	0.00	0.00	0.01	○
29	Uruguay	77.25	29.97	0.72	●	102	Iran, Islamic Rep. (2008)	0.00	0.00	0.00	○
30	Germany	75.47	29.27	0.71		n/a	Angola	n/a	n/a	n/a	
31	Austria	75.42	29.25	0.70		n/a	Benin	n/a	n/a	n/a	
32	Australia	73.45	28.49	0.69		n/a	Bhutan	n/a	n/a	n/a	
33	Netherlands	70.78	27.46	0.68		n/a	Botswana	n/a	n/a	n/a	
34	Latvia	70.74	27.44	0.67		n/a	Burkina Faso	n/a	n/a	n/a	
35	Finland	69.30	26.88	0.66		n/a	Burundi	n/a	n/a	n/a	
36	Ecuador (2010)	68.84	26.70	0.65	●	n/a	Cabo Verde	n/a	n/a	n/a	
37	Hong Kong (China)	68.82	26.70	0.64		n/a	Cameroon	n/a	n/a	n/a	
38	Slovakia	68.15	26.44	0.63		n/a	Côte d'Ivoire	n/a	n/a	n/a	
39	Sweden	65.29	25.32	0.62	○	n/a	Dominican Republic	n/a	n/a	n/a	
40	Russian Federation	64.17	24.89	0.61		n/a	Egypt	n/a	n/a	n/a	
41	Uzbekistan	62.01	24.05	0.60	●	n/a	El Salvador	n/a	n/a	n/a	
42	Norway (2009)	59.89	23.23	0.59		n/a	Ethiopia	n/a	n/a	n/a	
43	Jordan	59.79	23.19	0.58		n/a	Fiji	n/a	n/a	n/a	
44	Spain	59.49	23.08	0.57		n/a	Ghana	n/a	n/a	n/a	
45	Lithuania	57.30	22.23	0.56		n/a	Guinea	n/a	n/a	n/a	
46	Croatia	56.58	21.95	0.55		n/a	Guyana	n/a	n/a	n/a	
47	Peru	56.02	21.73	0.54		n/a	Indonesia	n/a	n/a	n/a	
48	Italy	56.01	21.73	0.53		n/a	Jamaica	n/a	n/a	n/a	
49	Denmark	55.88	21.68	0.52	○	n/a	Kenya	n/a	n/a	n/a	
50	Guatemala (2010)	54.04	20.96	0.51		n/a	Kuwait	n/a	n/a	n/a	
51	Hungary	53.51	20.75	0.50		n/a	Lebanon	n/a	n/a	n/a	
52	Poland	53.19	20.63	0.50		n/a	Lesotho	n/a	n/a	n/a	
53	Canada	52.26	20.27	0.49	○	n/a	Mali	n/a	n/a	n/a	
54	Brazil	51.72	20.06	0.48		n/a	Mauritius	n/a	n/a	n/a	
55	Honduras	51.35	19.92	0.47		n/a	Montenegro	n/a	n/a	n/a	
56	United Kingdom	48.74	18.91	0.46	○	n/a	Namibia	n/a	n/a	n/a	
57	Belgium	47.37	18.37	0.45	○	n/a	Nicaragua	n/a	n/a	n/a	
58	Bolivia, Plurinational St. (2007)	46.76	18.14	0.44		n/a	Niger	n/a	n/a	n/a	
59	Georgia	46.20	17.92	0.43		n/a	Nigeria	n/a	n/a	n/a	
60	Myanmar	43.09	16.71	0.42	●	n/a	Oman	n/a	n/a	n/a	
61	Thailand	42.64	16.54	0.41		n/a	Qatar	n/a	n/a	n/a	
62	Mexico	42.27	16.39	0.40		n/a	Saudi Arabia	n/a	n/a	n/a	
63	Seychelles (2011)	41.51	16.10	0.39		n/a	Senegal	n/a	n/a	n/a	
64	Philippines	39.18	15.20	0.38		n/a	Swaziland	n/a	n/a	n/a	
65	Yemen (2011)	39.17	15.19	0.37	●	n/a	Togo	n/a	n/a	n/a	
66	Azerbaijan	37.73	14.64	0.36		n/a	Trinidad and Tobago	n/a	n/a	n/a	
67	Sri Lanka (2010)	37.71	14.63	0.35		n/a	Tunisia	n/a	n/a	n/a	
68	Colombia	37.39	14.50	0.34		n/a	Uganda	n/a	n/a	n/a	
69	India	37.33	14.48	0.33		n/a	United Arab Emirates	n/a	n/a	n/a	
70	South Africa	35.58	13.80	0.32		n/a	Zimbabwe	n/a	n/a	n/a	
71	Serbia	32.32	12.54	0.31							
72	Mozambique (2007)	30.19	11.71	0.30							
73	Venezuela, Bolivarian Rep. (2011)	29.89	11.59	0.29							

SOURCE: World Intellectual Property Organization, WIPO Statistics Database; International Monetary Fund World Economic Outlook 2013 (PPP\$ GDP) (2004–12)

NOTE: ● indicates a strength; ○ a weakness.

7.1.2

Madrid System trademark applications by country of origin

Number of international trademark applications issued through the Madrid System by country of origin (per billion PPP\$ GDP) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Cyprus	8.56	100.00	0.95	●	74	Qatar	0.00	0.00	0.00	○
1	Iceland	9.53	100.00	0.95	●	74	Tajikistan	0.00	0.00	0.00	○
1	Luxembourg	6.45	100.00	0.95	●	n/a	Angola	n/a	n/a	n/a	
1	Moldova, Rep.	5.65	100.00	0.95	●	n/a	Argentina	n/a	n/a	n/a	
1	Switzerland	8.07	100.00	0.95	●	n/a	Bangladesh	n/a	n/a	n/a	
6	Slovenia	3.72	65.83	0.93	●	n/a	Barbados	n/a	n/a	n/a	
7	Austria	3.20	56.57	0.92		n/a	Benin	n/a	n/a	n/a	
8	Denmark	2.95	52.13	0.91		n/a	Bhutan	n/a	n/a	n/a	
9	Bulgaria	2.74	48.39	0.89	●	n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
10	Estonia	2.72	48.02	0.88		n/a	Brazil	n/a	n/a	n/a	
11	Latvia	2.44	43.17	0.86	●	n/a	Brunei Darussalam	n/a	n/a	n/a	
12	Serbia	2.34	41.36	0.85	●	n/a	Burkina Faso	n/a	n/a	n/a	
13	TFYR of Macedonia	2.31	40.89	0.84	●	n/a	Burundi	n/a	n/a	n/a	
14	Finland	2.14	37.81	0.82		n/a	Cabo Verde	n/a	n/a	n/a	
15	Germany	2.07	36.54	0.81		n/a	Cambodia	n/a	n/a	n/a	
16	Belarus	1.98	34.93	0.80	●	n/a	Cameroon	n/a	n/a	n/a	
17	France	1.83	32.40	0.78		n/a	Canada	n/a	n/a	n/a	
18	Netherlands	1.83	32.33	0.77		n/a	Chile	n/a	n/a	n/a	
19	Croatia	1.81	31.92	0.76		n/a	Costa Rica	n/a	n/a	n/a	
20	Belgium	1.73	30.59	0.74		n/a	Côte d'Ivoire	n/a	n/a	n/a	
21	Sweden	1.71	30.30	0.73		n/a	Dominican Republic	n/a	n/a	n/a	
22	Lithuania	1.60	28.32	0.72		n/a	Ecuador	n/a	n/a	n/a	
23	Czech Republic	1.54	27.31	0.70		n/a	El Salvador	n/a	n/a	n/a	
24	Italy	1.54	27.18	0.69		n/a	Ethiopia	n/a	n/a	n/a	
25	Hungary	1.32	23.29	0.68		n/a	Fiji	n/a	n/a	n/a	
26	Armenia	1.29	22.75	0.66		n/a	Gambia	n/a	n/a	n/a	
27	Norway	1.16	20.52	0.65		n/a	Guatemala	n/a	n/a	n/a	
28	Australia	1.09	19.23	0.64		n/a	Guinea	n/a	n/a	n/a	
29	Turkey	1.08	19.02	0.62		n/a	Guyana	n/a	n/a	n/a	
30	United Kingdom	1.00	17.64	0.61	○	n/a	Honduras	n/a	n/a	n/a	
31	Ukraine	0.90	15.95	0.59		n/a	Hong Kong (China)	n/a	n/a	n/a	
32	Spain	0.83	14.66	0.58		n/a	Indonesia	n/a	n/a	n/a	
33	Portugal	0.82	14.55	0.57		n/a	Jamaica	n/a	n/a	n/a	
34	Slovakia	0.80	14.23	0.55		n/a	Jordan	n/a	n/a	n/a	
35	Singapore	0.74	13.09	0.54		n/a	Kuwait	n/a	n/a	n/a	
36	Israel	0.67	11.86	0.53		n/a	Lebanon	n/a	n/a	n/a	
37	Ireland	0.65	11.46	0.51	○	n/a	Lesotho	n/a	n/a	n/a	
38	Georgia	0.53	9.42	0.50		n/a	Malawi	n/a	n/a	n/a	
39	Russian Federation	0.53	9.39	0.49		n/a	Malaysia	n/a	n/a	n/a	
40	Poland	0.50	8.77	0.47		n/a	Mali	n/a	n/a	n/a	
41	Japan	0.46	8.09	0.46		n/a	Malta	n/a	n/a	n/a	
42	Montenegro	0.42	7.35	0.45		n/a	Mauritius	n/a	n/a	n/a	
43	Bosnia and Herzegovina	0.38	6.72	0.43		n/a	Myanmar	n/a	n/a	n/a	
44	Morocco	0.36	6.28	0.42		n/a	Namibia	n/a	n/a	n/a	
45	Greece	0.35	6.13	0.41		n/a	Nepal	n/a	n/a	n/a	
46	Kazakhstan	0.34	5.95	0.39		n/a	Nicaragua	n/a	n/a	n/a	
47	United States of America	0.33	5.91	0.38	○	n/a	Niger	n/a	n/a	n/a	
48	Bahrain (2011)	0.32	5.71	0.36		n/a	Nigeria	n/a	n/a	n/a	
49	Romania	0.32	5.60	0.35		n/a	Pakistan	n/a	n/a	n/a	
50	Korea, Rep.	0.31	5.56	0.34	○	n/a	Panama	n/a	n/a	n/a	
51	Ghana (2011)	0.29	5.17	0.32		n/a	Paraguay	n/a	n/a	n/a	
52	New Zealand	0.24	4.32	0.31	○	n/a	Peru	n/a	n/a	n/a	
53	Kyrgyzstan	0.23	4.04	0.30		n/a	Rwanda	n/a	n/a	n/a	
54	Viet Nam	0.21	3.79	0.28		n/a	Saudi Arabia	n/a	n/a	n/a	
55	China	0.18	3.14	0.27		n/a	Senegal	n/a	n/a	n/a	
56	Botswana	0.15	2.74	0.26		n/a	Seychelles	n/a	n/a	n/a	
57	Madagascar	0.14	2.51	0.24		n/a	South Africa	n/a	n/a	n/a	
58	Mongolia	0.13	2.35	0.23		n/a	Sri Lanka	n/a	n/a	n/a	
59	Albania (2013)	0.11	1.98	0.22		n/a	Swaziland	n/a	n/a	n/a	
60	Mozambique	0.08	1.36	0.20		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
61	Algeria	0.07	1.23	0.19		n/a	Thailand	n/a	n/a	n/a	
62	Egypt	0.06	1.03	0.18		n/a	Togo	n/a	n/a	n/a	
63	Azerbaijan	0.05	0.92	0.16		n/a	Trinidad and Tobago	n/a	n/a	n/a	
64	Philippines	0.05	0.84	0.15		n/a	Uganda	n/a	n/a	n/a	
65	Kenya	0.04	0.71	0.14		n/a	United Arab Emirates	n/a	n/a	n/a	
66	Sudan (2009)	0.02	0.42	0.12		n/a	Uruguay	n/a	n/a	n/a	
67	Iran, Islamic Rep.	0.02	0.30	0.11		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Oman (2011)	0.01	0.21	0.09	○	n/a	Yemen	n/a	n/a	n/a	
69	Tunisia (2007)	0.01	0.21	0.08	○	n/a	Zambia	n/a	n/a	n/a	
70	Uzbekistan	0.01	0.17	0.07		n/a	Zimbabwe	n/a	n/a	n/a	
71	Mexico	0.01	0.09	0.05	○						
72	India	0.00	0.06	0.04	○						
73	Colombia	0.00	0.04	0.03	○						

SOURCE: World Intellectual Property Organization, WIPO Statistics Database;

International Monetary Fund World Economic Outlook 2013 (PPP\$ GDP) (2006–12)

NOTE: ● indicates a strength; ○ a weakness.

7.1.3

ICTs and business model creation

Average answer to the survey question: In your country, to what extent do ICTs enable new business models? [1 = not at all; 7 = to a great extent] | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland.....	5.83	80.50	1.00	●	74	Cambodia.....	4.28	54.67	0.45	
2	Korea, Rep.....	5.70	78.33	0.99	●	74	Czech Republic.....	4.28	54.67	0.45	
3	Sweden.....	5.69	78.17	0.99	●	76	Cabo Verde.....	4.27	54.50	0.44	
4	United Arab Emirates.....	5.59	76.50	0.98	●	77	Kazakhstan.....	4.26	54.33	0.44	
5	Luxembourg.....	5.57	76.17	0.97		78	TFYR of Macedonia.....	4.25	54.17	0.43	
6	Netherlands.....	5.55	75.83	0.95		79	Paraguay.....	4.23	53.83	0.42	
6	Qatar.....	5.55	75.83	0.95	●	80	Ecuador.....	4.22	53.67	0.41	
6	United Kingdom.....	5.55	75.83	0.95		81	Slovakia.....	4.20	53.33	0.41	
9	Estonia.....	5.49	74.83	0.94	●	82	Jamaica.....	4.18	53.00	0.40	
10	Singapore.....	5.48	74.67	0.93		83	Morocco.....	4.17	52.83	0.39	
11	Malaysia.....	5.42	73.67	0.92	●	83	Seychelles.....	4.17	52.83	0.39	
11	Norway.....	5.42	73.67	0.92		85	Burkina Faso.....	4.11	51.83	0.37	
13	Ireland.....	5.35	72.50	0.91		85	El Salvador.....	4.11	51.83	0.37	
14	Germany.....	5.33	72.17	0.90		87	Uganda.....	4.10	51.67	0.36	
15	United States of America.....	5.28	71.33	0.90		88	Bosnia and Herzegovina.....	4.09	51.50	0.36	
16	New Zealand.....	5.27	71.17	0.89		89	Mongolia.....	4.08	51.33	0.35	
17	Hong Kong (China).....	5.26	71.00	0.87		90	Guyana.....	4.07	51.17	0.34	
17	Switzerland.....	5.26	71.00	0.87		91	Namibia.....	4.06	51.00	0.33	
19	Japan.....	5.24	70.67	0.87		92	Côte d'Ivoire.....	4.04	50.67	0.32	
20	France.....	5.21	70.17	0.86		92	Tunisia.....	4.04	50.67	0.32	
21	Australia.....	5.15	69.17	0.84		94	Cameroon.....	4.02	50.33	0.31	
21	Portugal.....	5.15	69.17	0.84		95	Pakistan.....	3.98	49.67	0.30	
23	Saudi Arabia.....	5.14	69.00	0.84		96	Benin.....	3.95	49.17	0.29	
24	Malta.....	5.13	68.83	0.83		96	Zimbabwe.....	3.95	49.17	0.29	
25	Israel.....	5.12	68.67	0.82		98	Egypt.....	3.94	49.00	0.28	
26	Spain.....	5.10	68.33	0.81		99	Georgia.....	3.93	48.83	0.27	
27	Canada.....	5.06	67.67	0.81		100	Romania.....	3.92	48.67	0.27	
28	Chile.....	5.02	67.00	0.80		101	Bulgaria.....	3.91	48.50	0.26	○
29	Belgium.....	5.01	66.83	0.79		102	Iran, Islamic Rep.....	3.90	48.33	0.24	
29	Iceland.....	5.01	66.83	0.79		102	Poland.....	3.90	48.33	0.24	○
31	Lithuania.....	4.96	66.00	0.78		104	Bolivia, Plurinational St.....	3.88	48.00	0.24	
32	Denmark.....	4.95	65.83	0.77		105	Bhutan.....	3.87	47.83	0.21	
33	Rwanda.....	4.92	65.33	0.76		105	Honduras.....	3.87	47.83	0.21	
34	Austria.....	4.88	64.67	0.75		105	Tanzania, United Rep.....	3.87	47.83	0.21	
34	Jordan.....	4.88	64.67	0.75	●	108	Italy.....	3.84	47.33	0.21	○
36	Panama.....	4.86	64.33	0.74		109	Bangladesh.....	3.82	47.00	0.20	
37	Indonesia.....	4.85	64.17	0.73	●	110	Russian Federation.....	3.77	46.17	0.19	○
38	Viet Nam.....	4.84	64.00	0.73		111	Madagascar.....	3.76	46.00	0.19	
39	India.....	4.81	63.50	0.71		112	Malawi.....	3.75	45.83	0.18	
39	Kenya.....	4.81	63.50	0.71		113	Argentina.....	3.74	45.67	0.16	
41	Azerbaijan.....	4.80	63.33	0.70	●	113	Moldova, Rep.....	3.74	45.67	0.16	○
41	Philippines.....	4.80	63.33	0.70	●	115	Trinidad and Tobago.....	3.71	45.17	0.16	
43	Costa Rica.....	4.75	62.50	0.69		116	Albania.....	3.64	44.00	0.14	
44	Armenia.....	4.73	62.17	0.66		116	Botswana.....	3.64	44.00	0.14	
44	Bahrain.....	4.73	62.17	0.66		118	Mozambique.....	3.63	43.83	0.13	
44	South Africa.....	4.73	62.17	0.66		119	Serbia.....	3.57	42.83	0.13	○
44	Sri Lanka.....	4.73	62.17	0.66	●	120	Ukraine.....	3.56	42.67	0.12	○
48	Oman.....	4.72	62.00	0.65		121	Nicaragua.....	3.55	42.50	0.11	○
49	Brazil.....	4.68	61.33	0.64		122	Venezuela, Bolivarian Rep.....	3.52	42.00	0.10	
50	China.....	4.64	60.67	0.64		123	Greece.....	3.50	41.67	0.09	○
51	Turkey.....	4.63	60.50	0.63		123	Swaziland.....	3.50	41.67	0.09	○
52	Senegal.....	4.60	60.00	0.62	●	125	Nepal.....	3.46	41.00	0.08	○
53	Mexico.....	4.59	59.83	0.61		126	Ethiopia.....	3.41	40.17	0.07	
53	Nigeria.....	4.59	59.83	0.61	●	127	Lebanon.....	3.38	39.67	0.07	○
55	Dominican Republic.....	4.58	59.67	0.60	●	128	Kuwait.....	3.32	38.67	0.06	○
56	Guatemala.....	4.57	59.50	0.59		129	Guinea.....	3.28	38.00	0.05	
56	Mauritius.....	4.57	59.50	0.59		130	Angola.....	3.27	37.83	0.04	
58	Uruguay.....	4.56	59.33	0.58		131	Kyrgyzstan.....	3.25	37.50	0.04	○
59	Colombia.....	4.55	59.17	0.56		132	Myanmar.....	3.14	35.67	0.03	
59	Gambia.....	4.55	59.17	0.56	●	133	Lesotho.....	3.04	34.00	0.02	○
61	Mali.....	4.54	59.00	0.56	●	134	Burundi.....	2.91	31.83	0.01	○
62	Croatia.....	4.52	58.67	0.55		135	Algeria.....	2.89	31.50	0.01	○
63	Hungary.....	4.50	58.33	0.54		136	Yemen.....	2.77	29.50	0.00	○
64	Brunei Darussalam.....	4.47	57.83	0.53		n/a	Belarus.....	n/a	n/a	n/a	
65	Thailand.....	4.44	57.33	0.53		n/a	Fiji.....	n/a	n/a	n/a	
66	Latvia.....	4.39	56.50	0.52		n/a	Niger.....	n/a	n/a	n/a	
67	Slovenia.....	4.37	56.17	0.51		n/a	Sudan.....	n/a	n/a	n/a	
68	Montenegro.....	4.36	56.00	0.50		n/a	Tajikistan.....	n/a	n/a	n/a	
68	Zambia.....	4.36	56.00	0.50		n/a	Togo.....	n/a	n/a	n/a	
70	Peru.....	4.35	55.83	0.49		n/a	Uzbekistan.....	n/a	n/a	n/a	
71	Barbados.....	4.33	55.50	0.48							
72	Ghana.....	4.32	55.33	0.47							
73	Cyprus.....	4.29	54.83	0.47							

SOURCE: World Economic Forum, *Executive Opinion Survey 2013–2014*

NOTE: ● indicates a strength; ○ a weakness.

7.1.4

ICTs and organizational model creation

Average answer to the survey question: In your country, to what extent do ICTs enable new organizational models (e.g. virtual teams, remote working, telecommuting) within businesses? [1 = not at all; 7 = to a great extent] | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland	5.74	79.00	1.00	●	74	Zambia	4.06	51.00	0.46	
2	Qatar	5.53	75.50	0.99	●	75	Egypt	4.05	50.83	0.45	
3	Estonia	5.46	74.33	0.99	●	76	El Salvador	4.04	50.67	0.44	
4	Sweden	5.44	74.00	0.98	●	77	Bosnia and Herzegovina	4.03	50.50	0.43	
5	Netherlands	5.41	73.50	0.97	●	77	Nigeria	4.03	50.50	0.43	
6	United Kingdom	5.39	73.17	0.96		79	Cyprus	4.02	50.33	0.42	
7	United States of America	5.32	72.00	0.96		80	Slovakia	4.01	50.17	0.41	
8	Norway	5.31	71.83	0.93		81	Cabo Verde	4.00	50.00	0.41	
8	Singapore	5.31	71.83	0.93		82	Paraguay	3.99	49.83	0.40	
8	United Arab Emirates	5.31	71.83	0.93	●	83	Thailand	3.98	49.67	0.39	
11	Malaysia	5.25	70.83	0.93	●	84	Tunisia	3.92	48.67	0.39	
12	Canada	5.14	69.00	0.92		85	Argentina	3.91	48.50	0.36	
13	Luxembourg	5.10	68.33	0.91		85	Ghana	3.91	48.50	0.36	
14	Ireland	5.09	68.17	0.90		85	TFYR of Macedonia	3.91	48.50	0.36	
14	Korea, Rep.	5.09	68.17	0.90		88	Uganda	3.90	48.33	0.36	
16	Germany	5.07	67.83	0.89		89	Pakistan	3.85	47.50	0.34	
17	Hong Kong (China)	5.06	67.67	0.88		89	Russian Federation	3.85	47.50	0.34	
18	Israel	4.99	66.50	0.87		91	Honduras	3.84	47.33	0.33	
19	New Zealand	4.98	66.33	0.87		92	Poland	3.76	46.00	0.32	
20	Australia	4.94	65.67	0.84		92	Trinidad and Tobago	3.76	46.00	0.32	
20	Iceland	4.94	65.67	0.84		94	Tanzania, United Rep.	3.74	45.67	0.31	
20	Saudi Arabia	4.94	65.67	0.84	●	95	Bolivia, Plurinational St.	3.73	45.50	0.28	
23	Azerbaijan	4.89	64.83	0.84	●	95	Morocco	3.73	45.50	0.28	
24	Lithuania	4.87	64.50	0.83	●	95	Namibia	3.73	45.50	0.28	
25	Portugal	4.84	64.00	0.82		95	Seychelles	3.73	45.50	0.28	
26	Denmark	4.82	63.67	0.81		99	Bulgaria	3.72	45.33	0.27	○
26	Philippines	4.82	63.67	0.81	●	100	Côte d'Ivoire	3.71	45.17	0.27	
28	Belgium	4.81	63.50	0.80		101	Senegal	3.70	45.00	0.26	
29	Switzerland	4.79	63.17	0.79		102	Madagascar	3.68	44.67	0.25	
30	Malta	4.77	62.83	0.79		103	Malawi	3.63	43.83	0.24	
31	China	4.69	61.50	0.76		104	Cameroon	3.62	43.67	0.22	
31	Jordan	4.69	61.50	0.76	●	104	Iran, Islamic Rep.	3.62	43.67	0.22	
31	Spain	4.69	61.50	0.76		104	Moldova, Rep.	3.62	43.67	0.22	
34	Armenia	4.68	61.33	0.76	●	107	Mongolia	3.60	43.33	0.20	
35	Japan	4.67	61.17	0.75		107	Venezuela, Bolivarian Rep.	3.60	43.33	0.20	
36	Chile	4.66	61.00	0.74		107	Zimbabwe	3.60	43.33	0.20	
37	Costa Rica	4.63	60.50	0.73		110	Swaziland	3.59	43.17	0.19	
38	India	4.60	60.00	0.73		111	Bhutan	3.58	43.00	0.18	
39	Indonesia	4.58	59.67	0.72	●	111	Romania	3.58	43.00	0.18	○
40	France	4.57	59.50	0.71		113	Nicaragua	3.57	42.83	0.17	
41	Brazil	4.54	59.00	0.70		114	Georgia	3.54	42.33	0.16	○
41	Dominican Republic	4.54	59.00	0.70	●	115	Bangladesh	3.49	41.50	0.16	
43	Sri Lanka	4.53	58.83	0.69	●	116	Burkina Faso	3.45	40.83	0.14	
44	Bahrain	4.52	58.67	0.68		116	Italy	3.45	40.83	0.14	○
45	Panama	4.51	58.50	0.67		118	Albania	3.39	39.83	0.13	
46	Austria	4.49	58.17	0.66		118	Nepal	3.39	39.83	0.13	
46	Uruguay	4.49	58.17	0.66		120	Mozambique	3.38	39.67	0.12	
48	Guatemala	4.48	58.00	0.64	●	121	Botswana	3.36	39.33	0.11	○
48	South Africa	4.48	58.00	0.64		122	Ukraine	3.34	39.00	0.10	○
50	Kenya	4.46	57.67	0.64		123	Greece	3.27	37.83	0.10	○
51	Rwanda	4.44	57.33	0.63		124	Ethiopia	3.25	37.50	0.09	
52	Brunei Darussalam	4.42	57.00	0.62		125	Serbia	3.23	37.17	0.08	○
53	Peru	4.41	56.83	0.61		126	Benin	3.11	35.17	0.07	
54	Colombia	4.39	56.50	0.59		127	Kuwait	3.07	34.50	0.07	○
54	Mexico	4.39	56.50	0.59		128	Kyrgyzstan	2.96	32.67	0.05	○
54	Oman	4.39	56.50	0.59		128	Myanmar	2.96	32.67	0.05	
57	Viet Nam	4.36	56.00	0.59		130	Angola	2.94	32.33	0.04	
58	Mauritius	4.34	55.67	0.58		131	Lebanon	2.93	32.17	0.04	○
59	Turkey	4.33	55.50	0.57		132	Algeria	2.91	31.83	0.02	○
60	Cambodia	4.32	55.33	0.56	●	132	Yemen	2.91	31.83	0.02	
61	Jamaica	4.28	54.67	0.56		134	Guinea	2.88	31.33	0.01	○
62	Gambia	4.27	54.50	0.55	●	135	Lesotho	2.74	29.00	0.01	○
63	Latvia	4.25	54.17	0.54		136	Burundi	2.65	27.50	0.00	○
64	Croatia	4.24	54.00	0.53		n/a	Belarus	n/a	n/a	n/a	
64	Ecuador	4.24	54.00	0.53		n/a	Fiji	n/a	n/a	n/a	
66	Mali	4.23	53.83	0.51		n/a	Niger	n/a	n/a	n/a	
66	Slovenia	4.23	53.83	0.51		n/a	Sudan	n/a	n/a	n/a	
68	Kazakhstan	4.19	53.17	0.50		n/a	Tajikistan	n/a	n/a	n/a	
69	Montenegro	4.17	52.83	0.50		n/a	Togo	n/a	n/a	n/a	
70	Czech Republic	4.15	52.50	0.49		n/a	Uzbekistan	n/a	n/a	n/a	
71	Guyana	4.13	52.17	0.47							
71	Hungary	4.13	52.17	0.47							
73	Barbados	4.12	52.00	0.47							

SOURCE: World Economic Forum, *Executive Opinion Survey 2013–2014*

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Luxembourg	3.93	100.00	0.99	●	74	Ukraine	0.04	2.56	0.30	
1	United Kingdom (2011)	1.44	100.00	0.99	●	75	Guatemala	0.04	2.43	0.29	
3	Croatia (2011)	1.40	97.68	0.98	●	76	Malawi (2011)	0.03	2.34	0.28	
4	Latvia (2011)	1.34	93.15	0.97	●	77	Greece (2011)	0.03	2.25	0.27	
5	Serbia	1.22	84.85	0.96	●	78	Mauritius	0.03	1.88	0.26	
6	Poland (2011)	1.06	73.63	0.95	●	79	Angola (2011)	0.03	1.87	0.25	
7	Argentina	1.03	72.02	0.94	●	80	Mexico	0.02	1.37	0.24	
8	Hungary	0.99	69.00	0.93	●	81	Tanzania, United Rep. (2011)	0.02	1.10	0.23	
9	Sweden (2011)	0.99	68.79	0.92		82	Guinea	0.02	1.01	0.22	
10	Slovenia (2011)	0.91	63.70	0.91	●	83	Cabo Verde	0.01	0.89	0.21	
11	Russian Federation	0.84	58.48	0.90	●	84	Uruguay (2011)	0.01	0.78	0.20	○
12	France (2011)	0.81	56.56	0.89		85	Costa Rica	0.01	0.67	0.19	○
13	Moldova, Rep.	0.79	54.72	0.88	●	86	Azerbaijan	0.01	0.63	0.18	
14	Bulgaria (2011)	0.77	53.72	0.88	●	87	Japan (2011)	0.01	0.62	0.17	○
15	Albania	0.71	49.53	0.87	●	88	Rwanda	0.01	0.60	0.16	
16	Cyprus	0.65	45.59	0.86	●	89	Venezuela, Bolivarian Rep.	0.01	0.59	0.15	
17	Romania	0.63	43.61	0.85	●	90	Togo (2010)	0.01	0.51	0.14	
18	Denmark (2011)	0.61	42.60	0.84		91	Bosnia and Herzegovina	0.01	0.46	0.13	○
19	Austria (2011)	0.60	41.51	0.83		92	Swaziland	0.01	0.39	0.13	
20	Turkey (2011)	0.59	41.24	0.82	●	93	Lesotho (2011)	0.01	0.39	0.12	
21	Portugal (2011)	0.59	41.16	0.81		94	Sudan (2011)	0.01	0.34	0.11	
22	Netherlands (2011)	0.53	37.11	0.80		95	Niger (2009)	0.00	0.29	0.10	
23	Morocco	0.43	30.03	0.79	●	96	Lithuania	0.00	0.29	0.09	○
24	United States of America (2011)	0.41	28.27	0.78		97	Jamaica (2011)	0.00	0.20	0.08	○
25	Montenegro	0.41	28.27	0.77	●	98	Ethiopia	0.00	0.17	0.07	
26	Malaysia (2009)	0.39	27.15	0.76		99	Paraguay (2011)	0.00	0.17	0.06	○
27	Ecuador	0.37	26.07	0.75	●	100	Bangladesh (2011)	0.00	0.16	0.05	○
28	Barbados (2010)	0.32	21.99	0.74		101	Mongolia (2011)	0.00	0.13	0.04	○
29	Italy (2011)	0.32	21.97	0.73		102	El Salvador	0.00	0.06	0.03	○
30	Norway	0.31	21.37	0.72		103	Benin (2010)	0.00	0.02	0.02	○
31	Egypt	0.30	20.96	0.71	●	104	Kenya (2011)	0.00	0.01	0.01	○
32	Slovakia	0.28	19.79	0.70		105	Botswana	0.00	0.00	0.00	○
33	Korea, Rep.	0.28	19.55	0.69		n/a	Bahrain	n/a	n/a	n/a	
34	Singapore (2011)	0.26	17.77	0.68		n/a	Bhutan	n/a	n/a	n/a	
35	Brazil	0.25	17.68	0.67		n/a	Brunei Darussalam	n/a	n/a	n/a	
36	Iceland (2011)	0.25	17.53	0.66		n/a	Cambodia	n/a	n/a	n/a	
37	Spain	0.25	17.20	0.65		n/a	Cameroon	n/a	n/a	n/a	
38	Zambia (2011)	0.24	16.61	0.64	●	n/a	Chile	n/a	n/a	n/a	
39	China	0.23	15.87	0.63		n/a	Dominican Republic	n/a	n/a	n/a	
40	Finland (2011)	0.23	15.71	0.63		n/a	Fiji	n/a	n/a	n/a	
41	Belarus (2008)	0.22	15.43	0.62		n/a	Gambia	n/a	n/a	n/a	
42	Colombia	0.21	14.72	0.61		n/a	Ghana	n/a	n/a	n/a	
43	Algeria	0.19	13.35	0.60	●	n/a	Guyana	n/a	n/a	n/a	
44	New Zealand	0.18	12.51	0.59		n/a	Honduras	n/a	n/a	n/a	
45	Hong Kong (China) (2011)	0.18	12.40	0.58		n/a	Indonesia	n/a	n/a	n/a	
46	Malta (2011)	0.17	11.88	0.57		n/a	Jordan	n/a	n/a	n/a	
47	Canada	0.16	11.20	0.56		n/a	Kuwait	n/a	n/a	n/a	
48	Czech Republic	0.15	10.10	0.55		n/a	Lebanon	n/a	n/a	n/a	
49	Uganda	0.14	9.73	0.54		n/a	Madagascar	n/a	n/a	n/a	
50	Belgium	0.14	9.62	0.53		n/a	Myanmar	n/a	n/a	n/a	
51	Ireland	0.13	9.20	0.52	○	n/a	Namibia	n/a	n/a	n/a	
52	Armenia	0.12	8.16	0.51		n/a	Nepal	n/a	n/a	n/a	
53	Israel (2007)	0.10	6.98	0.50		n/a	Nicaragua	n/a	n/a	n/a	
54	Panama	0.09	6.26	0.49		n/a	Nigeria	n/a	n/a	n/a	
55	Pakistan	0.09	5.92	0.48		n/a	Oman	n/a	n/a	n/a	
56	Kyrgyzstan	0.08	5.73	0.47		n/a	Qatar	n/a	n/a	n/a	
57	Mali (2010)	0.08	5.69	0.46		n/a	Saudi Arabia	n/a	n/a	n/a	
58	Burkina Faso (2010)	0.08	5.64	0.45		n/a	Seychelles	n/a	n/a	n/a	
59	Estonia	0.08	5.54	0.44	○	n/a	South Africa	n/a	n/a	n/a	
60	Burundi (2011)	0.07	4.91	0.43		n/a	Sri Lanka	n/a	n/a	n/a	
61	Peru (2011)	0.07	4.66	0.42		n/a	Switzerland	n/a	n/a	n/a	
62	Philippines	0.07	4.61	0.41		n/a	Tajikistan	n/a	n/a	n/a	
63	Georgia	0.06	4.32	0.40		n/a	TFYR of Macedonia	n/a	n/a	n/a	
64	Australia	0.06	4.14	0.39	○	n/a	Thailand	n/a	n/a	n/a	
65	India	0.06	3.99	0.38		n/a	Trinidad and Tobago	n/a	n/a	n/a	
66	Bolivia, Plurinational St. (2011)	0.05	3.74	0.38		n/a	United Arab Emirates	n/a	n/a	n/a	
67	Kazakhstan	0.05	3.67	0.37		n/a	Uzbekistan	n/a	n/a	n/a	
68	Germany	0.05	3.63	0.36	○	n/a	Viet Nam	n/a	n/a	n/a	
69	Côte d'Ivoire (2010)	0.05	3.37	0.35		n/a	Yemen	n/a	n/a	n/a	
70	Mozambique	0.05	3.28	0.34		n/a	Zimbabwe	n/a	n/a	n/a	
71	Iran, Islamic Rep. (2008)	0.05	3.20	0.33							
72	Senegal (2010)	0.04	3.06	0.32							
73	Tunisia (2010)	0.04	2.89	0.31							

SOURCE: World Trade Organization, *Trade in Commercial Services* database, based on the International Monetary Fund *Balance of Payments* database (2007–12)

NOTE: ● indicates a strength; ○ a weakness.

7.2.2

National feature films produced

Number of national feature films produced (per million population 15–69 years old) | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Bhutan.....	58.51	100.00	0.95	●	74	Lithuania.....	0.89	6.13	0.28	
1	Guyana.....	22.86	100.00	0.95	●	75	Costa Rica.....	0.89	6.12	0.27	
1	Iceland.....	57.22	100.00	0.95	●	76	Namibia (2005).....	0.85	5.83	0.26	
1	Luxembourg.....	42.88	100.00	0.95	●	77	Guinea (2010).....	0.83	5.71	0.25	
1	Mauritius.....	32.65	100.00	0.95	●	78	Venezuela, Bolivarian Rep.....	0.81	5.55	0.25	
1	Switzerland.....	14.54	100.00	0.95	●	79	Niger.....	0.75	5.13	0.24	
7	Estonia.....	14.04	96.54	0.94	●	80	Myanmar (2009).....	0.74	5.12	0.23	
8	Slovenia.....	12.48	85.84	0.93	●	81	Brazil.....	0.71	4.91	0.22	
9	Nigeria.....	11.16	76.75	0.92	●	82	Senegal.....	0.69	4.72	0.21	
10	Finland.....	10.96	75.37	0.91		83	Bangladesh (2009).....	0.66	4.53	0.20	
11	Denmark.....	10.89	74.88	0.90		84	South Africa.....	0.63	4.34	0.19	○
12	Norway.....	10.02	68.88	0.89		85	Colombia.....	0.56	3.87	0.18	○
13	Ireland.....	10.01	68.85	0.88		86	China.....	0.56	3.84	0.17	○
14	Hong Kong (China).....	9.52	65.45	0.87		87	Egypt.....	0.54	3.72	0.16	
15	Austria.....	8.78	60.38	0.86		88	Indonesia.....	0.51	3.52	0.15	
16	New Zealand.....	8.04	55.32	0.85		89	Burkina Faso (2009).....	0.51	3.48	0.14	
17	United Kingdom.....	6.80	46.78	0.84		90	Panama (2010).....	0.41	2.82	0.13	○
18	Mongolia.....	6.69	45.98	0.83	●	91	Peru.....	0.41	2.80	0.12	○
19	Sweden.....	6.44	44.25	0.82		92	Moldova, Rep. (2009).....	0.37	2.53	0.11	○
20	France.....	6.20	42.65	0.81		93	Nicaragua (2009).....	0.28	1.93	0.10	○
21	Belgium (2009).....	6.16	42.35	0.80		94	El Salvador (2008).....	0.26	1.80	0.09	○
22	Netherlands.....	6.10	41.94	0.79		95	Pakistan (2009).....	0.26	1.78	0.08	○
23	Spain.....	5.93	40.77	0.78		96	Honduras (2009).....	0.22	1.54	0.07	○
24	Korea, Rep.....	5.79	39.82	0.77		97	Belarus.....	0.14	0.98	0.06	○
25	Czech Republic.....	5.63	38.71	0.76		98	Mali.....	0.14	0.93	0.05	
26	Greece.....	5.45	37.50	0.75		99	Ukraine.....	0.09	0.61	0.04	○
27	Israel.....	5.30	36.43	0.75		100	Mozambique (2006).....	0.09	0.60	0.03	○
28	Japan.....	4.96	34.09	0.74		101	Cameroon (2009).....	0.00	0.00	0.00	○
29	Georgia.....	4.47	30.72	0.73		101	Kyrgyzstan.....	0.00	0.00	0.00	○
30	Lebanon.....	4.35	29.91	0.72		101	Oman (2009).....	0.00	0.00	0.00	○
31	Bolivia, Plurinational St. (2009).....	4.13	28.37	0.71	●	n/a	Albania.....	n/a	n/a	n/a	
32	Serbia.....	4.12	28.32	0.70		n/a	Algeria.....	n/a	n/a	n/a	
33	Latvia.....	4.00	27.47	0.69		n/a	Angola.....	n/a	n/a	n/a	
34	Portugal.....	3.95	27.13	0.68		n/a	Bahrain.....	n/a	n/a	n/a	
35	Singapore.....	3.75	25.82	0.67		n/a	Barbados.....	n/a	n/a	n/a	
36	United States of America.....	3.66	25.14	0.66		n/a	Benin.....	n/a	n/a	n/a	
37	Argentina.....	3.61	24.85	0.65		n/a	Botswana.....	n/a	n/a	n/a	
38	Italy.....	3.61	24.84	0.64		n/a	Brunei Darussalam.....	n/a	n/a	n/a	
39	Cyprus.....	3.60	24.77	0.63		n/a	Burundi.....	n/a	n/a	n/a	
40	Germany.....	3.59	24.66	0.62		n/a	Cabo Verde.....	n/a	n/a	n/a	
41	Uruguay.....	3.49	24.01	0.61		n/a	Côte d'Ivoire.....	n/a	n/a	n/a	
42	Canada.....	3.39	23.31	0.60		n/a	Ecuador.....	n/a	n/a	n/a	
43	Hungary (2010).....	3.24	22.30	0.59		n/a	Ethiopia.....	n/a	n/a	n/a	
44	Malta.....	3.16	21.73	0.58		n/a	Gambia.....	n/a	n/a	n/a	
45	Azerbaijan (2010).....	3.01	20.73	0.57		n/a	Ghana.....	n/a	n/a	n/a	
46	Croatia.....	2.91	19.99	0.56		n/a	Jamaica.....	n/a	n/a	n/a	
47	Slovakia.....	2.88	19.82	0.55		n/a	Jordan.....	n/a	n/a	n/a	
48	Bulgaria.....	2.77	19.07	0.54		n/a	Kenya.....	n/a	n/a	n/a	
49	Australia.....	2.64	18.18	0.53	○	n/a	Kuwait.....	n/a	n/a	n/a	
50	TFYR of Macedonia (2010).....	2.54	17.49	0.52		n/a	Lesotho.....	n/a	n/a	n/a	
51	Bosnia and Herzegovina.....	2.50	17.19	0.51		n/a	Madagascar.....	n/a	n/a	n/a	
52	Malaysia.....	2.43	16.74	0.50		n/a	Malawi.....	n/a	n/a	n/a	
53	Armenia.....	2.36	16.24	0.49		n/a	Montenegro.....	n/a	n/a	n/a	
54	Chile.....	1.84	12.68	0.48		n/a	Nepal.....	n/a	n/a	n/a	
55	Poland.....	1.78	12.24	0.47		n/a	Qatar.....	n/a	n/a	n/a	
56	Tajikistan (2009).....	1.75	12.03	0.46		n/a	Rwanda.....	n/a	n/a	n/a	
57	Fiji (2009).....	1.72	11.85	0.45		n/a	Saudi Arabia.....	n/a	n/a	n/a	
58	India.....	1.53	10.53	0.44		n/a	Seychelles.....	n/a	n/a	n/a	
59	Tunisia.....	1.42	9.78	0.43		n/a	Sri Lanka.....	n/a	n/a	n/a	
60	Turkey.....	1.39	9.56	0.42		n/a	Sudan.....	n/a	n/a	n/a	
61	Iran, Islamic Rep.....	1.38	9.51	0.41		n/a	Swaziland.....	n/a	n/a	n/a	
62	Cambodia.....	1.37	9.39	0.40		n/a	Tanzania, United Rep.....	n/a	n/a	n/a	
63	Philippines.....	1.30	8.96	0.39		n/a	Togo.....	n/a	n/a	n/a	
64	Russian Federation.....	1.30	8.95	0.38		n/a	Trinidad and Tobago.....	n/a	n/a	n/a	
65	Guatemala (2010).....	1.26	8.63	0.37		n/a	Uganda.....	n/a	n/a	n/a	
66	Paraguay (2009).....	1.25	8.63	0.36		n/a	United Arab Emirates.....	n/a	n/a	n/a	
67	Viet Nam.....	1.16	7.95	0.35		n/a	Uzbekistan.....	n/a	n/a	n/a	
68	Morocco.....	1.09	7.48	0.34		n/a	Yemen.....	n/a	n/a	n/a	
69	Kazakhstan (2009).....	1.08	7.43	0.33		n/a	Zambia.....	n/a	n/a	n/a	
70	Romania.....	1.05	7.23	0.32		n/a	Zimbabwe.....	n/a	n/a	n/a	
71	Thailand (2010).....	0.99	6.78	0.31							
72	Dominican Republic (2009).....	0.94	6.48	0.30							
73	Mexico.....	0.92	6.32	0.29							

SOURCE: UNESCO Institute for Statistics, *UIS online database*; United Nations, *World Population Prospects: The 2012 Revision* (population data) (2005–11)

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank
1	Norway	3.29	100.00	1.00	●	n/a	Burkina Faso	n/a	n/a	n/a
2	Switzerland	2.64	80.09	0.98	●	n/a	Burundi	n/a	n/a	n/a
3	Australia	2.27	68.66	0.97	●	n/a	Cabo Verde	n/a	n/a	n/a
4	United States of America	2.21	66.86	0.95		n/a	Cambodia	n/a	n/a	n/a
5	Japan	2.17	65.58	0.93		n/a	Cameroon	n/a	n/a	n/a
6	Sweden	2.15	65.08	0.91		n/a	Costa Rica	n/a	n/a	n/a
7	Denmark	2.04	61.68	0.90		n/a	Côte d'Ivoire	n/a	n/a	n/a
8	United Kingdom	1.94	58.55	0.88		n/a	Croatia	n/a	n/a	n/a
9	Austria	1.83	55.32	0.86		n/a	Cyprus	n/a	n/a	n/a
10	Finland	1.80	54.33	0.84		n/a	Dominican Republic	n/a	n/a	n/a
11	Germany	1.66	49.93	0.83		n/a	Ecuador	n/a	n/a	n/a
12	Netherlands	1.65	49.71	0.81		n/a	El Salvador	n/a	n/a	n/a
13	Canada	1.62	48.94	0.79		n/a	Estonia	n/a	n/a	n/a
14	France	1.58	47.58	0.78		n/a	Ethiopia	n/a	n/a	n/a
15	Belgium	1.53	46.25	0.76		n/a	Fiji	n/a	n/a	n/a
16	New Zealand	1.48	44.63	0.74		n/a	Gambia	n/a	n/a	n/a
17	Ireland	1.43	43.16	0.72		n/a	Georgia	n/a	n/a	n/a
18	Hong Kong (China)	1.35	40.63	0.71		n/a	Ghana	n/a	n/a	n/a
19	Singapore	1.21	36.32	0.69		n/a	Guatemala	n/a	n/a	n/a
20	Korea, Rep.	1.20	36.00	0.67		n/a	Guinea	n/a	n/a	n/a
21	Italy	0.99	29.68	0.66		n/a	Guyana	n/a	n/a	n/a
22	Israel	0.93	27.63	0.64		n/a	Honduras	n/a	n/a	n/a
23	Portugal	0.89	26.50	0.62		n/a	Iceland	n/a	n/a	n/a
24	Qatar (2011)	0.85	25.23	0.60		n/a	Iran, Islamic Rep.	n/a	n/a	n/a
25	Spain	0.79	23.62	0.59		n/a	Jamaica	n/a	n/a	n/a
26	Czech Republic	0.57	16.78	0.57		n/a	Kazakhstan	n/a	n/a	n/a
27	Kuwait (2011)	0.57	16.70	0.55		n/a	Kyrgyzstan	n/a	n/a	n/a
28	Greece	0.56	16.42	0.53		n/a	Latvia	n/a	n/a	n/a
29	Saudi Arabia	0.53	15.41	0.52		n/a	Lesotho	n/a	n/a	n/a
30	Argentina	0.47	13.83	0.50		n/a	Lithuania	n/a	n/a	n/a
31	Hungary	0.41	11.72	0.48		n/a	Luxembourg	n/a	n/a	n/a
32	United Arab Emirates (2011)	0.37	10.63	0.47		n/a	Madagascar	n/a	n/a	n/a
33	Malaysia	0.36	10.27	0.45		n/a	Malawi	n/a	n/a	n/a
34	Poland	0.34	9.73	0.43		n/a	Mali	n/a	n/a	n/a
35	South Africa	0.31	8.86	0.41		n/a	Malta	n/a	n/a	n/a
36	Brazil	0.30	8.58	0.40		n/a	Mauritius	n/a	n/a	n/a
37	Chile	0.29	8.13	0.38		n/a	Moldova, Rep.	n/a	n/a	n/a
38	Mexico	0.27	7.53	0.36		n/a	Mongolia	n/a	n/a	n/a
39	Oman (2011)	0.26	7.23	0.34		n/a	Montenegro	n/a	n/a	n/a
40	Russian Federation	0.24	6.57	0.33		n/a	Mozambique	n/a	n/a	n/a
41	Bahrain (2011)	0.23	6.41	0.31		n/a	Myanmar	n/a	n/a	n/a
42	Venezuela, Bolivarian Rep.	0.20	5.57	0.29		n/a	Namibia	n/a	n/a	n/a
43	Turkey	0.20	5.44	0.28		n/a	Nepal	n/a	n/a	n/a
44	Colombia	0.20	5.32	0.26		n/a	Nicaragua	n/a	n/a	n/a
45	Lebanon	0.18	4.91	0.24		n/a	Niger	n/a	n/a	n/a
46	Thailand	0.17	4.60	0.22	○	n/a	Panama	n/a	n/a	n/a
47	Romania	0.15	3.96	0.21	○	n/a	Paraguay	n/a	n/a	n/a
48	Algeria	0.11	2.71	0.19		n/a	Peru	n/a	n/a	n/a
49	China	0.11	2.68	0.17	○	n/a	Rwanda	n/a	n/a	n/a
50	Jordan	0.10	2.38	0.16	○	n/a	Senegal	n/a	n/a	n/a
51	Philippines	0.08	1.89	0.14	○	n/a	Serbia	n/a	n/a	n/a
52	Egypt	0.07	1.52	0.12	○	n/a	Seychelles	n/a	n/a	n/a
53	Indonesia	0.07	1.49	0.10		n/a	Slovakia	n/a	n/a	n/a
54	Morocco	0.06	1.21	0.09	○	n/a	Slovenia	n/a	n/a	n/a
55	Kenya	0.06	1.20	0.07	○	n/a	Sri Lanka	n/a	n/a	n/a
56	Nigeria	0.03	0.23	0.05	○	n/a	Sudan	n/a	n/a	n/a
57	Viet Nam	0.03	0.20	0.03	○	n/a	Swaziland	n/a	n/a	n/a
58	India	0.03	0.17	0.02	○	n/a	Tajikistan	n/a	n/a	n/a
59	Pakistan	0.02	0.00	0.00	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a
n/a	Albania	n/a	n/a	n/a		n/a	TFYR of Macedonia	n/a	n/a	n/a
n/a	Angola	n/a	n/a	n/a		n/a	Togo	n/a	n/a	n/a
n/a	Armenia	n/a	n/a	n/a		n/a	Trinidad and Tobago	n/a	n/a	n/a
n/a	Azerbaijan	n/a	n/a	n/a		n/a	Tunisia	n/a	n/a	n/a
n/a	Bangladesh	n/a	n/a	n/a		n/a	Uganda	n/a	n/a	n/a
n/a	Barbados	n/a	n/a	n/a		n/a	Ukraine	n/a	n/a	n/a
n/a	Belarus	n/a	n/a	n/a		n/a	Uruguay	n/a	n/a	n/a
n/a	Benin	n/a	n/a	n/a		n/a	Uzbekistan	n/a	n/a	n/a
n/a	Bhutan	n/a	n/a	n/a		n/a	Yemen	n/a	n/a	n/a
n/a	Bolivia, Plurinational St.	n/a	n/a	n/a		n/a	Zambia	n/a	n/a	n/a
n/a	Bosnia and Herzegovina	n/a	n/a	n/a		n/a	Zimbabwe	n/a	n/a	n/a
n/a	Botswana	n/a	n/a	n/a						
n/a	Brunei Darussalam	n/a	n/a	n/a						
n/a	Bulgaria	n/a	n/a	n/a						

SOURCE: PwC's Global entertainment and media outlook, 2013–2017; United Nations, World Population Prospects: The 2010 Revision (population data)

NOTE: ● indicates a strength; ○ a weakness.

7.2.4

Printing and publishing output

Printing and publishing manufactures output (% of manufactures total output) | 2010

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Greece (2007)	0.07	100.00	0.99	●	74	Lithuania	0.01	11.56	0.21	○
1	Hong Kong (China) (2004)	0.18	100.00	0.99	●	75	Slovakia (2009)	0.01	10.98	0.20	○
3	Malta (2008)	0.07	92.06	0.98	●	76	Malaysia	0.01	10.45	0.18	○
4	Iceland (2006)	0.06	89.10	0.97	●	77	Brazil	0.01	10.27	0.17	○
5	Australia (2006)	0.06	85.50	0.96	●	78	Kuwait	0.01	9.10	0.16	○
6	Norway (2008)	0.06	81.43	0.95		79	Azerbaijan	0.01	7.59	0.15	○
7	Panama (2005)	0.05	73.78	0.93	●	80	Egypt	0.01	7.24	0.14	
8	Netherlands (2008)	0.04	60.67	0.92		81	Chile (2008)	0.01	6.88	0.13	○
9	Lebanon (2007)	0.04	57.96	0.91	●	82	India (2009)	0.01	6.58	0.12	○
10	Switzerland (2007)	0.04	52.29	0.90		83	China	0.01	6.39	0.11	○
11	Mauritius	0.04	49.69	0.89	●	84	Tajikistan (2008)	0.01	6.02	0.10	
12	Tanzania, United Rep. (2008)	0.03	46.91	0.88	●	85	Canada	0.00	4.94	0.09	○
13	Georgia	0.03	46.87	0.87	●	86	Yemen (2006)	0.00	4.28	0.08	
14	Mongolia (2008)	0.03	44.29	0.86	●	87	Mexico	0.00	4.26	0.07	○
15	Cyprus	0.03	41.54	0.85		88	Oman	0.00	3.95	0.05	○
16	TFYR of Macedonia	0.03	40.34	0.84	●	89	Korea, Rep. (2008)	0.00	3.24	0.04	○
17	Peru	0.03	39.19	0.83	●	90	Philippines (2008)	0.00	3.20	0.03	○
18	Israel (2009)	0.03	38.00	0.82		91	Pakistan (2006)	0.00	2.75	0.02	○
19	Saudi Arabia (2006)	0.03	37.34	0.80		92	Iran, Islamic Rep. (2009)	0.00	1.98	0.01	○
20	Ethiopia (2009)	0.03	37.03	0.79	●	93	Gambia (2004)	0.00	0.00	0.00	○
21	Moldova, Rep.	0.03	36.95	0.78		n/a	Albania	n/a	n/a	n/a	
22	Estonia	0.03	36.70	0.77		n/a	Algeria	n/a	n/a	n/a	
23	Colombia	0.03	36.27	0.76		n/a	Angola	n/a	n/a	n/a	
24	Costa Rica	0.03	36.15	0.75		n/a	Argentina	n/a	n/a	n/a	
25	Kenya	0.03	35.36	0.74		n/a	Bahrain	n/a	n/a	n/a	
26	Latvia	0.03	35.33	0.73		n/a	Bangladesh	n/a	n/a	n/a	
27	South Africa	0.02	32.91	0.72		n/a	Barbados	n/a	n/a	n/a	
28	United Kingdom (2009)	0.02	32.68	0.71		n/a	Belarus	n/a	n/a	n/a	
29	Japan	0.02	30.53	0.70		n/a	Benin	n/a	n/a	n/a	
30	Fiji (2009)	0.02	29.73	0.68		n/a	Bhutan	n/a	n/a	n/a	
31	Czech Republic (2007)	0.02	29.09	0.67		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
32	Madagascar (2006)	0.02	27.80	0.66	●	n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
33	Spain (2009)	0.02	27.31	0.65		n/a	Botswana	n/a	n/a	n/a	
34	Jordan	0.02	25.79	0.64		n/a	Brunei Darussalam	n/a	n/a	n/a	
35	New Zealand (2009)	0.02	25.35	0.63		n/a	Burkina Faso	n/a	n/a	n/a	
36	Slovenia	0.02	25.26	0.62		n/a	Burundi	n/a	n/a	n/a	
37	Malawi (2009)	0.02	25.03	0.61	●	n/a	Cabo Verde	n/a	n/a	n/a	
38	United States of America (2008)	0.02	25.00	0.60		n/a	Cambodia	n/a	n/a	n/a	
39	Portugal (2009)	0.02	24.37	0.59		n/a	Côte d'Ivoire	n/a	n/a	n/a	
40	Austria (2009)	0.02	24.23	0.58	○	n/a	Croatia	n/a	n/a	n/a	
41	Sri Lanka	0.02	24.06	0.57		n/a	Dominican Republic	n/a	n/a	n/a	
42	Serbia	0.02	23.94	0.55		n/a	El Salvador	n/a	n/a	n/a	
43	Ukraine	0.02	23.93	0.54		n/a	Ghana	n/a	n/a	n/a	
44	Denmark (2009)	0.02	22.81	0.53	○	n/a	Guatemala	n/a	n/a	n/a	
45	Armenia	0.02	22.52	0.52		n/a	Guinea	n/a	n/a	n/a	
46	Belgium (2009)	0.02	22.48	0.51	○	n/a	Guyana	n/a	n/a	n/a	
47	Kazakhstan (2007)	0.02	22.17	0.50		n/a	Honduras	n/a	n/a	n/a	
48	Nepal (2008)	0.02	21.71	0.49	●	n/a	Jamaica	n/a	n/a	n/a	
49	Ireland (2009)	0.02	21.59	0.48	○	n/a	Lesotho	n/a	n/a	n/a	
50	Sweden (2009)	0.02	21.21	0.47	○	n/a	Mali	n/a	n/a	n/a	
51	Italy (2009)	0.02	21.11	0.46		n/a	Montenegro	n/a	n/a	n/a	
52	Luxembourg (2009)	0.02	20.49	0.45		n/a	Mozambique	n/a	n/a	n/a	
53	France (2009)	0.02	20.36	0.43	○	n/a	Myanmar	n/a	n/a	n/a	
54	Finland (2009)	0.02	20.32	0.42	○	n/a	Namibia	n/a	n/a	n/a	
55	Ecuador (2008)	0.02	20.25	0.41		n/a	Nicaragua	n/a	n/a	n/a	
56	Germany (2009)	0.02	20.05	0.40	○	n/a	Niger	n/a	n/a	n/a	
57	Senegal	0.01	19.49	0.39		n/a	Nigeria	n/a	n/a	n/a	
58	Russian Federation	0.01	17.71	0.38		n/a	Paraguay	n/a	n/a	n/a	
59	Bulgaria	0.01	17.28	0.37		n/a	Rwanda	n/a	n/a	n/a	
60	Cameroon (2008)	0.01	16.41	0.36		n/a	Seychelles	n/a	n/a	n/a	
61	Viet Nam (2008)	0.01	15.96	0.35		n/a	Sudan	n/a	n/a	n/a	
62	Romania	0.01	15.73	0.34		n/a	Swaziland	n/a	n/a	n/a	
63	Qatar	0.01	14.87	0.33		n/a	Togo	n/a	n/a	n/a	
64	Poland (2009)	0.01	14.51	0.32	○	n/a	Tunisia	n/a	n/a	n/a	
65	Thailand (2006)	0.01	14.36	0.30		n/a	Uganda	n/a	n/a	n/a	
66	Turkey (2009)	0.01	14.34	0.29		n/a	United Arab Emirates	n/a	n/a	n/a	
67	Trinidad and Tobago (2006)	0.01	13.98	0.28		n/a	Uzbekistan	n/a	n/a	n/a	
68	Uruguay (2008)	0.01	13.78	0.27		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
69	Indonesia (2009)	0.01	12.77	0.26		n/a	Zambia	n/a	n/a	n/a	
70	Morocco	0.01	12.71	0.25		n/a	Zimbabwe	n/a	n/a	n/a	
71	Hungary (2009)	0.01	12.70	0.24	○						
72	Kyrgyzstan	0.01	12.64	0.23							
73	Singapore	0.01	11.85	0.22	○						

SOURCE: United Nations Industrial Development Organization (UNIDO), *Industrial Statistics Database* ISIC Revision 3 (INDSTAT4 2012) (2007–12)

NOTE: ● indicates a strength; ○ a weakness.

7.2.5 Creative goods exports

Creative goods exports (% of total trade) | 2012

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II: Data Tables

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	China	14.94	100.00	1.00	●	74	Zimbabwe	0.28	8.60	0.42	
2	Czech Republic	11.27	90.37	0.99	●	75	Fiji	0.28	8.59	0.41	
3	Mexico	10.63	88.41	0.98	●	76	Russian Federation	0.26	8.03	0.40	
4	Malaysia	10.61	88.36	0.98	●	77	Chile	0.21	6.74	0.39	
5	Slovakia	10.27	87.24	0.97	●	78	Brazil	0.21	6.60	0.38	
6	Thailand	10.05	86.54	0.96	●	79	Senegal	0.19	6.03	0.38	
7	Bhutan (2011)	7.05	74.92	0.95	●	80	Luxembourg	0.18	5.80	0.37	
8	Hungary	6.92	74.29	0.94	●	81	Bosnia and Herzegovina	0.18	5.70	0.36	
9	Netherlands	5.88	69.13	0.94		82	Argentina	0.17	5.54	0.35	
10	Singapore	5.44	66.72	0.93		83	Iceland	0.15	4.90	0.34	○
11	Panama (2011)	4.73	62.46	0.92	●	84	TFYR of Macedonia	0.15	4.88	0.34	
12	Pakistan	4.34	59.88	0.91	●	85	Montenegro	0.12	3.89	0.33	
13	India	4.32	59.77	0.90	●	86	Burundi (2010)	0.12	3.88	0.32	
14	Poland	4.22	59.09	0.90	●	87	Uganda	0.12	3.83	0.31	
15	Viet Nam	4.12	58.39	0.89	●	88	Saudi Arabia	0.11	3.61	0.30	○
16	Latvia	3.23	51.40	0.88	●	89	Madagascar	0.11	3.56	0.30	
17	Switzerland	3.16	50.79	0.87		90	Uruguay	0.10	3.26	0.29	
18	United Kingdom	2.88	48.22	0.86		91	Honduras	0.10	3.25	0.28	
19	Tunisia (2011)	2.80	47.50	0.86	●	92	Kyrgyzstan	0.09	2.88	0.27	
20	Japan	2.70	46.55	0.85		93	Malawi (2011)	0.08	2.72	0.26	
21	Turkey	2.51	44.62	0.84	●	94	Sudan	0.08	2.61	0.26	
22	Korea, Rep.	2.49	44.36	0.83		95	Albania	0.08	2.53	0.25	
23	Ireland	2.21	41.39	0.82		96	Nigeria	0.07	2.34	0.24	
24	Italy	2.14	40.59	0.82		97	Moldova, Rep.	0.07	2.27	0.23	
25	Indonesia	2.10	40.08	0.81	●	98	United Arab Emirates (2008)	0.06	2.07	0.22	○
26	Portugal	2.04	39.37	0.80		99	Ecuador	0.06	2.06	0.22	
27	Belgium	2.03	39.25	0.79		100	Georgia	0.06	2.01	0.21	
28	Romania	1.90	37.73	0.78	●	101	Paraguay	0.06	2.01	0.20	
29	Germany	1.87	37.33	0.78		102	Tanzania, United Rep.	0.06	1.95	0.19	
30	Sweden	1.80	36.41	0.77		103	Trinidad and Tobago (2010)	0.06	1.92	0.18	
31	Israel	1.79	36.27	0.76		104	Jamaica	0.05	1.77	0.18	
32	Denmark	1.72	35.41	0.75		105	Nicaragua	0.05	1.67	0.17	
33	United States of America	1.71	35.25	0.74		106	Zambia (2011)	0.05	1.59	0.16	
34	France	1.67	34.69	0.74		107	Rwanda	0.03	1.16	0.15	
35	Lithuania	1.55	33.14	0.73		108	Togo	0.03	1.15	0.14	
36	Estonia	1.26	28.82	0.72		109	Myanmar (2010)	0.03	0.99	0.14	
37	Austria	1.26	28.68	0.71		110	Burkina Faso (2011)	0.03	0.92	0.13	
38	Malta	1.08	25.74	0.70		111	Cyprus	0.02	0.78	0.12	○
39	Dominican Republic	0.98	24.08	0.70	●	112	Côte d'Ivoire	0.02	0.77	0.11	
40	Spain	0.92	22.84	0.69		113	Ethiopia	0.02	0.72	0.10	
41	Mauritius	0.91	22.75	0.68		114	Ghana	0.02	0.65	0.10	○
42	Bulgaria	0.86	21.74	0.67		115	Mozambique	0.02	0.58	0.09	
43	Serbia	0.82	20.91	0.66		116	Mongolia (2007)	0.01	0.41	0.08	○
44	Slovenia	0.79	20.38	0.66		117	Gambia (2011)	0.01	0.38	0.07	
45	Jordan	0.77	19.98	0.65		118	Oman	0.01	0.35	0.06	○
46	El Salvador	0.75	19.60	0.64		119	Niger	0.01	0.34	0.06	
47	Finland	0.75	19.56	0.63		120	Guyana	0.01	0.34	0.05	○
48	Costa Rica	0.70	18.67	0.62		121	Azerbaijan	0.01	0.24	0.04	○
49	Canada	0.67	17.90	0.62		122	Mali	0.01	0.23	0.03	○
50	Bolivia, Plurinational St.	0.66	17.79	0.61	●	123	Bahrain (2011)	0.01	0.16	0.02	○
51	Ukraine	0.66	17.67	0.60		124	Algeria	0.00	0.04	0.02	○
52	Australia	0.65	17.42	0.59		125	Qatar (2011)	0.00	0.01	0.01	○
53	South Africa	0.54	15.11	0.58		126	Yemen	0.00	0.00	0.00	○
54	Norway	0.54	14.98	0.58		n/a	Angola	n/a	n/a	n/a	
55	Greece	0.53	14.97	0.57		n/a	Bangladesh	n/a	n/a	n/a	
56	Kenya (2010)	0.53	14.78	0.56		n/a	Barbados	n/a	n/a	n/a	
57	Guatemala	0.50	14.05	0.55		n/a	Benin	n/a	n/a	n/a	
58	Egypt	0.47	13.53	0.54		n/a	Botswana	n/a	n/a	n/a	
59	Iran, Islamic Rep. (2011)	0.47	13.48	0.54		n/a	Cabo Verde	n/a	n/a	n/a	
60	Lebanon (2011)	0.46	13.14	0.53		n/a	Cameroon	n/a	n/a	n/a	
61	Belarus	0.45	12.99	0.52		n/a	Guinea	n/a	n/a	n/a	
62	Croatia	0.45	12.95	0.51		n/a	Kuwait	n/a	n/a	n/a	
63	Namibia	0.43	12.52	0.50		n/a	Lesotho	n/a	n/a	n/a	
64	Kazakhstan	0.43	12.39	0.50		n/a	Morocco	n/a	n/a	n/a	
65	Brunei Darussalam	0.36	10.80	0.49		n/a	Philippines	n/a	n/a	n/a	
66	Nepal (2011)	0.36	10.58	0.48		n/a	Seychelles	n/a	n/a	n/a	
67	New Zealand	0.34	10.12	0.47	○	n/a	Swaziland	n/a	n/a	n/a	
68	Cambodia	0.31	9.44	0.46		n/a	Tajikistan	n/a	n/a	n/a	
69	Sri Lanka	0.30	9.20	0.46		n/a	Uzbekistan	n/a	n/a	n/a	
70	Colombia	0.30	9.05	0.45		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
71	Peru	0.30	9.03	0.44							
72	Armenia	0.30	9.02	0.43							
73	Hong Kong (China)	0.29	8.89	0.42	○						

SOURCE: United Nations, COMTRADE database; 2009 UNESCO Framework for Cultural Statistics; World Trade Organization, Trade in Commercial Services (2007–12)

NOTE: ● indicates a strength; ○ a weakness.

7.3.1

Generic top-level domains (gTLDs)

Generic top-level domains gTLDs (per thousand population 15–69 years old) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Iceland.....	100.00	100.00	0.98	●	74	Oman.....	2.99	2.99	0.49	
1	Luxembourg.....	100.00	100.00	0.98	●	75	Mexico.....	2.90	2.90	0.48	
1	Seychelles.....	100.00	100.00	0.98	●	76	Belarus.....	2.88	2.88	0.47	
1	United States of America.....	100.00	100.00	0.98	●	77	Nicaragua.....	2.88	2.88	0.46	
5	Malta.....	97.54	97.54	0.97	●	78	Fiji.....	2.88	2.88	0.46	
6	Canada.....	92.90	92.90	0.96	●	79	Moldova, Rep.....	2.84	2.84	0.45	
7	Cyprus.....	90.62	90.62	0.96	●	80	Tunisia.....	2.73	2.73	0.44	
8	Netherlands.....	89.04	89.04	0.95		81	Bosnia and Herzegovina.....	2.73	2.73	0.44	
9	Hong Kong (China).....	84.61	84.61	0.94		82	El Salvador.....	2.57	2.57	0.43	
10	Australia.....	83.58	83.58	0.94		83	Armenia.....	2.54	2.54	0.42	
11	Switzerland.....	77.20	77.20	0.93		84	Iran, Islamic Rep.....	2.32	2.32	0.42	
12	United Kingdom.....	76.04	76.04	0.92		85	Venezuela, Bolivarian Rep.....	2.26	2.26	0.41	
13	Ireland.....	74.13	74.13	0.92		86	China.....	2.23	2.23	0.40	
14	Panama.....	67.33	67.33	0.91	●	87	Paraguay.....	2.18	2.18	0.39	
15	Germany.....	65.67	65.67	0.90		88	Viet Nam.....	2.12	2.12	0.39	
16	Norway.....	60.62	60.62	0.89		89	Bhutan.....	2.10	2.10	0.38	
17	Denmark.....	58.66	58.66	0.89		90	Morocco.....	2.08	2.08	0.37	
18	Austria.....	49.41	49.41	0.88		91	Niger.....	2.02	2.02	0.37	
19	Sweden.....	49.01	49.01	0.87		92	Brazil.....	2.01	2.01	0.36	
20	France.....	48.59	48.59	0.87		93	Georgia.....	2.01	2.01	0.35	
21	New Zealand.....	41.12	41.12	0.86		94	Ecuador.....	1.94	1.94	0.35	
22	Singapore.....	33.24	33.24	0.85		95	Bolivia, Plurinational St.....	1.94	1.94	0.34	
23	Israel.....	32.14	32.14	0.85		96	Indonesia.....	1.87	1.87	0.33	
24	Spain.....	31.01	31.01	0.84		97	Swaziland.....	1.78	1.78	0.32	
25	Slovenia.....	29.07	29.07	0.83		98	Egypt.....	1.73	1.73	0.32	
26	Finland.....	28.79	28.79	0.82		99	Azerbaijan.....	1.70	1.70	0.31	
27	Italy.....	25.06	25.06	0.82		100	Philippines.....	1.54	1.54	0.30	
28	Bulgaria.....	23.28	23.28	0.81	●	101	Sri Lanka.....	1.36	1.36	0.30	
29	Belgium.....	22.72	22.72	0.80		102	India.....	1.22	1.22	0.29	
30	Portugal.....	21.34	21.34	0.80		103	Botswana.....	1.15	1.15	0.28	
31	Japan.....	20.33	20.33	0.79		104	Senegal.....	1.06	1.06	0.27	
32	Mauritius.....	17.51	17.51	0.78		105	Kenya.....	0.94	0.94	0.27	
33	Costa Rica.....	15.69	15.69	0.77	●	106	Mongolia.....	0.94	0.94	0.26	
34	Lithuania.....	15.10	15.10	0.77		107	Ghana.....	0.82	0.82	0.25	
35	Czech Republic.....	15.06	15.06	0.76		108	Togo.....	0.82	0.82	0.25	
36	Croatia.....	14.94	14.94	0.75		109	Honduras.....	0.78	0.78	0.24	
37	Estonia.....	14.34	14.34	0.75		110	Benin.....	0.74	0.74	0.23	
38	Greece.....	14.04	14.04	0.74		111	Cabo Verde.....	0.73	0.73	0.23	
39	United Arab Emirates.....	13.85	13.85	0.73		112	Cambodia.....	0.71	0.71	0.22	
40	Turkey.....	13.84	13.84	0.73		113	Nigeria.....	0.71	0.71	0.21	
41	Brunei Darussalam.....	13.55	13.55	0.72		114	Nepal.....	0.64	0.64	0.20	
42	Barbados.....	12.94	12.94	0.71		115	Pakistan.....	0.63	0.63	0.20	
43	Latvia.....	12.63	12.63	0.70		116	Yemen.....	0.56	0.56	0.19	
44	Hungary.....	12.52	12.52	0.70		117	Kazakhstan.....	0.53	0.53	0.18	
45	Kuwait.....	12.29	12.29	0.69	●	118	Zimbabwe.....	0.53	0.53	0.18	
46	Lebanon.....	11.57	11.57	0.68	●	119	Bangladesh.....	0.53	0.53	0.17	
47	Namibia.....	11.00	11.00	0.68	●	120	Kyrgyzstan.....	0.52	0.52	0.16	
48	Korea, Rep.....	10.15	10.15	0.67		121	Serbia.....	0.49	0.49	0.15	○
49	Jordan.....	9.99	9.99	0.66		122	Côte d'Ivoire.....	0.46	0.46	0.15	
50	Bahrain.....	9.21	9.21	0.65		123	Algeria.....	0.46	0.46	0.14	
51	Poland.....	8.67	8.67	0.65		124	Cameroon.....	0.41	0.41	0.13	
52	Uruguay.....	8.41	8.41	0.64		125	Uganda.....	0.39	0.39	0.13	
53	Albania.....	6.79	6.79	0.63		126	Lesotho.....	0.23	0.23	0.12	
54	Thailand.....	6.70	6.70	0.63		127	Malawi.....	0.23	0.23	0.11	
55	Guatemala.....	6.68	6.68	0.62	●	128	Gambia.....	0.22	0.22	0.11	
56	Trinidad and Tobago.....	6.67	6.67	0.61		129	Rwanda.....	0.20	0.20	0.10	
57	Malaysia.....	6.09	6.09	0.61		130	Tanzania, United Rep.....	0.19	0.19	0.09	
58	Romania.....	5.60	5.60	0.60		131	Zambia.....	0.19	0.19	0.08	
59	Ukraine.....	5.08	5.08	0.59		132	Madagascar.....	0.18	0.18	0.08	
60	Qatar.....	4.93	4.93	0.58		133	Sudan.....	0.18	0.18	0.07	
61	Peru.....	4.75	4.75	0.58		134	Mali.....	0.16	0.16	0.06	
62	Slovakia.....	4.47	4.47	0.57		135	Angola.....	0.12	0.12	0.06	
63	Saudi Arabia.....	4.42	4.42	0.56		136	Tajikistan.....	0.11	0.11	0.05	○
64	South Africa.....	4.22	4.22	0.56		137	Guinea.....	0.11	0.11	0.04	
65	Russian Federation.....	4.07	4.07	0.55		138	Uzbekistan.....	0.11	0.11	0.04	○
66	Colombia.....	3.80	3.80	0.54		139	Myanmar.....	0.09	0.09	0.03	
67	Argentina.....	3.74	3.74	0.54		140	Mozambique.....	0.07	0.07	0.02	○
68	Montenegro.....	3.35	3.35	0.53		141	Burundi.....	0.05	0.05	0.01	○
69	Guyana.....	3.24	3.24	0.52		142	Burkina Faso.....	0.01	0.01	0.01	○
70	Chile.....	3.22	3.22	0.51		143	Ethiopia.....	0.00	0.00	0.00	○
71	Jamaica.....	3.19	3.19	0.51							
72	TFYR of Macedonia.....	3.19	3.19	0.50							
73	Dominican Republic.....	3.14	3.14	0.49							

SOURCE: ZookNIC Inc; United Nations, Department of Economic and Social Affairs, Population Division, *World Population Prospects: The 2012 Revision* (population)

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Montenegro	100.00	100.00	1.00	●	74	Brunei Darussalam	21.31	21.31	0.49	
2	Netherlands	82.35	82.35	0.99	●	75	Peru	20.84	20.84	0.48	
3	Denmark	77.59	77.59	0.99	●	76	Barbados	20.74	20.74	0.47	
4	Switzerland	77.48	77.48	0.98		77	Dominican Republic	20.64	20.64	0.46	
5	Germany	75.32	75.32	0.97	●	78	Paraguay	20.32	20.32	0.46	
6	United Kingdom	73.87	73.87	0.96	●	79	Panama	20.16	20.16	0.45	
7	Luxembourg	71.89	71.89	0.96		80	Jamaica	20.00	20.00	0.44	
8	Iceland	71.56	71.56	0.95		81	Ecuador	19.93	19.93	0.44	
9	Sweden	71.55	71.55	0.94		82	Albania	19.62	19.62	0.43	
10	Austria	71.34	71.34	0.94	●	83	Azerbaijan	18.64	18.64	0.42	
11	Belgium	70.36	70.36	0.93	●	84	Trinidad and Tobago	17.01	17.01	0.42	
12	New Zealand	69.37	69.37	0.92		85	Cabo Verde	16.92	16.92	0.41	
13	Norway	69.34	69.34	0.92		86	Bhutan	15.24	15.24	0.40	
14	Australia	68.88	68.88	0.91		87	Nepal	14.93	14.93	0.39	
15	Czech Republic	66.52	66.52	0.90		88	India	14.91	14.91	0.39	
16	Argentina	62.90	62.90	0.89	●	89	Morocco	14.38	14.38	0.38	
17	Hungary	60.41	60.41	0.89	●	90	Nicaragua	13.87	13.87	0.37	
18	Finland	60.39	60.39	0.88		91	El Salvador	13.59	13.59	0.37	
19	Poland	60.17	60.17	0.87	●	92	Saudi Arabia	13.31	13.31	0.36	
20	Canada	59.95	59.95	0.87		93	Swaziland	12.50	12.50	0.35	
21	Estonia	59.23	59.23	0.86		94	Guatemala	12.38	12.38	0.35	
22	Portugal	59.07	59.07	0.85		95	Kuwait	12.10	12.10	0.34	
23	Latvia	58.25	58.25	0.85	●	96	Bolivia, Plurinational St.	12.06	12.06	0.33	
24	Slovakia	58.06	58.06	0.84	●	97	Kyrgyzstan	12.04	12.04	0.32	
25	Slovenia	58.01	58.01	0.83		98	Honduras	11.57	11.57	0.32	
26	Lithuania	57.94	57.94	0.82		99	Thailand	10.97	10.97	0.31	
27	Seychelles	56.21	56.21	0.82	●	100	Kenya	10.80	10.80	0.30	
28	Italy	55.69	55.69	0.81		101	Tajikistan	10.73	10.73	0.30	
29	France	55.67	55.67	0.80		102	Gambia	10.48	10.48	0.29	
30	Ireland	55.00	55.00	0.80		103	Philippines	10.12	10.12	0.28	
31	Greece	53.76	53.76	0.79		104	Cameroon	9.51	9.51	0.27	
32	Spain	53.12	53.12	0.78		105	Lebanon	9.10	9.10	0.27	
33	Russian Federation	51.90	51.90	0.77		106	Jordan	8.67	8.67	0.26	○
34	Israel	51.89	51.89	0.77		107	Uzbekistan	8.44	8.44	0.25	
35	Colombia	51.82	51.82	0.76		108	Tunisia	7.19	7.19	0.25	
36	Romania	51.46	51.46	0.75		109	Indonesia	6.38	6.38	0.24	
37	Singapore	48.99	48.99	0.75		110	Oman	6.11	6.11	0.23	
38	Chile	48.72	48.72	0.74		111	Sri Lanka	6.11	6.11	0.23	
39	Uruguay	46.07	46.07	0.73	●	112	Senegal	5.11	5.11	0.22	
40	Korea, Rep.	45.42	45.42	0.73		113	Lesotho	4.97	4.97	0.21	
41	Croatia	44.65	44.65	0.72		114	Pakistan	4.39	4.39	0.20	
42	Hong Kong (China)	44.52	44.52	0.71		115	Mozambique	3.47	3.47	0.20	
43	South Africa	43.94	43.94	0.70		116	Tanzania, United Rep.	3.42	3.42	0.19	
44	Brazil	42.98	42.98	0.70		117	Côte d'Ivoire	3.33	3.33	0.18	
45	Ukraine	41.26	41.26	0.69		118	Botswana	3.30	3.30	0.18	
46	Malta	40.63	40.63	0.68		119	Burundi	3.28	3.28	0.17	
47	Japan	37.74	37.74	0.68		120	Malawi	2.96	2.96	0.16	
48	Cyprus	37.41	37.41	0.67		121	Algeria	2.45	2.45	0.15	
49	Belarus	36.40	36.40	0.66		122	Uganda	2.15	2.15	0.15	
50	United Arab Emirates	35.21	35.21	0.65		123	Cambodia	2.02	2.02	0.14	
51	Venezuela, Bolivarian Rep.	34.53	34.53	0.65	●	124	Madagascar	1.95	1.95	0.13	
52	Serbia	34.17	34.17	0.64		125	Namibia	1.92	1.92	0.13	○
53	Armenia	32.61	32.61	0.63		126	Zimbabwe	1.80	1.80	0.12	
54	Malaysia	31.25	31.25	0.63		127	Nigeria	1.66	1.66	0.11	
55	China	31.16	31.16	0.62		128	Rwanda	1.45	1.45	0.11	
56	Qatar	31.04	31.04	0.61		129	Egypt	1.42	1.42	0.10	○
57	Kazakhstan	30.89	30.89	0.61		130	Yemen	0.86	0.86	0.09	
58	Moldova, Rep.	30.87	30.87	0.60		131	Benin	0.86	0.86	0.08	
59	Mexico	30.06	30.06	0.59		132	Bangladesh	0.62	0.62	0.08	
60	Iran, Islamic Rep.	30.04	30.04	0.58		133	Angola	0.39	0.39	0.07	
61	United States of America	29.84	29.84	0.58		134	Ethiopia	0.31	0.31	0.06	
62	Mauritius	29.61	29.61	0.57		135	Guinea	0.27	0.27	0.06	
63	Viet Nam	27.60	27.60	0.56		136	Myanmar	0.26	0.26	0.05	
64	Georgia	27.41	27.41	0.56		137	Sudan	0.26	0.26	0.04	
65	Turkey	27.37	27.37	0.55		138	Niger	0.23	0.23	0.04	
66	Bulgaria	27.35	27.35	0.54		139	Burkina Faso	0.13	0.13	0.03	○
67	Fiji	27.15	27.15	0.54		140	Zambia	0.05	0.05	0.02	○
68	Guyana	25.80	25.80	0.53		141	Ghana	0.04	0.04	0.01	○
69	Bosnia and Herzegovina	25.07	25.07	0.52		142	Mali	0.03	0.03	0.01	○
70	Mongolia	24.16	24.16	0.51		143	Togo	0.00	0.00	0.00	○
71	TFYR of Macedonia	23.04	23.04	0.51							
72	Costa Rica	22.64	22.64	0.50							
73	Bahrain	22.60	22.60	0.49							

SOURCE: ZookNIC Inc; United Nations, Department of Economic and Social Affairs, Population Division, *World Population Prospects: The 2012 Revision* (population)

NOTE: ● indicates a strength; ○ a weakness.

7.3.3

Wikipedia monthly edits

Wikipedia monthly page edits (per million population 15–69 years old) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Estonia	58,894.49	100.00	1.00	●	74	Trinidad and Tobago	2,459.96	4.17	0.48	
2	Norway	43,209.91	73.37	0.99	●	75	Venezuela, Bolivarian Rep.	2,381.60	4.04	0.48	
3	Finland	42,876.24	72.80	0.99		76	Mexico	2,306.95	3.91	0.47	
4	Iceland	42,761.21	72.60	0.98	●	77	Panama	2,261.69	3.83	0.46	
5	Sweden	38,695.25	65.70	0.97	●	78	Lebanon	2,259.84	3.83	0.45	
6	Israel	38,503.33	65.37	0.96	●	79	Philippines	2,190.87	3.71	0.45	
7	Netherlands	33,562.32	56.98	0.96		80	Jordan	2,151.77	3.64	0.44	
8	Hong Kong (China)	30,069.00	51.05	0.95		81	El Salvador	2,043.95	3.46	0.43	
9	Belgium	29,735.82	50.49	0.94	●	82	Paraguay	1,957.28	3.31	0.43	
10	Luxembourg	27,784.58	47.17	0.94		83	Brunei Darussalam	1,852.59	3.14	0.42	
11	United Kingdom	27,536.22	46.75	0.93		84	Dominican Republic	1,759.97	2.98	0.41	
12	Malta	27,516.41	46.72	0.92		85	Fiji	1,651.02	2.79	0.40	
13	France	27,124.11	46.05	0.91	●	86	Jamaica	1,541.43	2.61	0.40	
14	Slovenia	26,997.82	45.84	0.91		87	Honduras	1,398.69	2.37	0.39	
15	Germany	24,636.86	41.83	0.90		88	Tunisia	1,389.37	2.35	0.38	
16	Ireland	24,573.80	41.72	0.89		89	Nicaragua	1,360.01	2.30	0.38	
17	Italy	24,558.72	41.69	0.89	●	90	Kyrgyzstan	1,342.61	2.27	0.37	
18	Switzerland	23,126.31	39.26	0.88		91	Sri Lanka	1,282.50	2.17	0.36	
19	Czech Republic	21,838.57	37.08	0.87		92	Guatemala	1,239.66	2.10	0.35	
20	Latvia	21,760.91	36.94	0.87	●	93	Viet Nam	1,142.91	1.93	0.35	
21	Denmark	21,687.27	36.82	0.86		94	Oman	1,139.35	1.93	0.34	
22	New Zealand	21,448.63	36.41	0.85		95	South Africa	1,071.90	1.81	0.33	
23	Hungary	21,090.52	35.80	0.84		96	Egypt	1,006.16	1.70	0.33	
24	Canada	20,635.97	35.03	0.84		97	Bolivia, Plurinational St.	995.06	1.68	0.32	
25	Australia	20,276.21	34.42	0.83		98	Morocco	967.75	1.63	0.31	
26	Uruguay	20,274.89	34.42	0.82	●	99	Seychelles	920.67	1.55	0.30	
27	Austria	19,348.09	32.85	0.82		100	Namibia	853.57	1.44	0.30	
28	Spain	19,110.67	32.44	0.81		101	Indonesia	836.88	1.41	0.29	
29	Bulgaria	18,504.05	31.41	0.80		102	Nepal	751.45	1.27	0.28	
30	Croatia	17,144.13	29.10	0.79	●	103	Algeria	700.51	1.18	0.28	
31	Lithuania	16,213.07	27.52	0.79		104	Cabo Verde	675.64	1.14	0.27	
32	Serbia	15,063.82	25.57	0.78		105	Guyana	541.44	0.91	0.26	
33	Armenia	14,960.06	25.39	0.77	●	106	India	536.87	0.90	0.26	
34	TFYR of Macedonia	14,509.18	24.63	0.77		107	Pakistan	467.15	0.78	0.25	
35	Greece	14,207.28	24.12	0.76		108	Bhutan	371.44	0.62	0.24	
36	Poland	14,002.95	23.77	0.75		109	Cambodia	337.44	0.56	0.23	
37	United States of America	13,812.18	23.45	0.74		110	Tajikistan	332.02	0.55	0.23	
38	Montenegro	12,433.82	21.10	0.74		111	Yemen	317.74	0.53	0.22	
39	Slovakia	12,016.74	20.40	0.73		112	Angola	291.99	0.49	0.21	
40	Portugal	11,967.62	20.31	0.72		113	Ghana	278.40	0.46	0.21	
41	Georgia	11,912.30	20.22	0.72		114	Botswana	244.97	0.41	0.20	
42	Bosnia and Herzegovina	11,760.88	19.96	0.71	●	115	Bangladesh	238.32	0.40	0.19	
43	Ukraine	10,862.71	18.44	0.70		116	Kenya	234.33	0.39	0.18	
44	Cyprus	10,396.96	17.65	0.70		117	China	190.12	0.31	0.18	
45	Chile	10,125.82	17.19	0.69		118	Uzbekistan	146.67	0.24	0.17	
46	Japan	9,289.18	15.76	0.68		119	Swaziland	145.07	0.24	0.16	
47	Russian Federation	9,098.54	15.44	0.67		120	Senegal	107.00	0.17	0.16	
48	Singapore	8,573.57	14.55	0.67		121	Zimbabwe	92.34	0.15	0.15	
49	Belarus	7,714.70	13.09	0.66		122	Rwanda	90.08	0.14	0.14	
50	Korea, Rep.	7,577.28	12.86	0.65		123	Tanzania, United Rep.	82.63	0.13	0.13	
51	Argentina	7,140.88	12.12	0.65		124	Mozambique	79.24	0.13	0.13	
52	Azerbaijan	6,203.32	10.52	0.64		125	Sudan	75.78	0.12	0.12	
53	Albania	5,681.04	9.64	0.63		126	Zambia	74.34	0.12	0.11	
54	Kuwait	5,220.24	8.86	0.62		127	Cameroon	74.30	0.12	0.11	
55	Moldova, Rep.	4,845.79	8.22	0.62		128	Uganda	70.34	0.11	0.10	○
56	Qatar	4,842.34	8.21	0.61		129	Nigeria	62.00	0.10	0.09	
57	Malaysia	4,707.53	7.98	0.60		130	Gambia	61.64	0.10	0.09	
58	Mongolia	4,504.56	7.64	0.60		131	Lesotho	43.49	0.06	0.08	
59	Costa Rica	4,284.15	7.27	0.59		132	Madagascar	37.70	0.05	0.07	
60	Kazakhstan	4,267.04	7.24	0.58		133	Togo	36.78	0.05	0.06	
61	Romania	4,163.91	7.06	0.57		134	Myanmar	35.17	0.05	0.06	
62	United Arab Emirates	3,798.39	6.44	0.57		135	Benin	31.71	0.04	0.05	○
63	Turkey	3,514.90	5.96	0.56		136	Ethiopia	28.63	0.04	0.04	
64	Colombia	3,505.18	5.94	0.55		137	Mali	26.66	0.04	0.04	○
65	Brazil	3,464.70	5.87	0.55		138	Malawi	23.91	0.03	0.03	○
66	Bahrain	3,226.24	5.47	0.54		139	Burkina Faso	17.80	0.02	0.02	○
67	Saudi Arabia	3,212.55	5.45	0.53		140	Burundi	13.49	0.01	0.01	○
68	Peru	3,190.15	5.41	0.52		141	Niger	12.83	0.01	0.01	○
69	Barbados	3,174.54	5.38	0.52		142	Guinea	5.33	0.00	0.00	○
70	Iran, Islamic Rep.	2,736.42	4.64	0.51		n/a	Côte d'Ivoire	n/a	n/a	n/a	
71	Mauritius	2,545.23	4.31	0.50							
72	Ecuador	2,516.35	4.26	0.50							
73	Thailand	2,472.01	4.19	0.49							

SOURCE: Wikimedia Foundation; United Nations, *World Population Prospects: The 2012 Revision* (population)

NOTE: ● indicates a strength; ○ a weakness.

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank
1	United States of America	100.00	100.00	1.00	●	n/a	Bolivia, Plurinational St.	n/a	n/a	n/a
2	Hong Kong (China)	96.15	96.15	0.98		n/a	Bosnia and Herzegovina	n/a	n/a	n/a
3	Netherlands	95.86	95.86	0.97		n/a	Botswana	n/a	n/a	n/a
4	United Kingdom	95.56	95.56	0.95		n/a	Brunei Darussalam	n/a	n/a	n/a
5	Finland	94.67	94.67	0.92		n/a	Bulgaria	n/a	n/a	n/a
5	Israel	94.67	94.67	0.92		n/a	Burkina Faso	n/a	n/a	n/a
7	Canada	92.60	92.60	0.89		n/a	Burundi	n/a	n/a	n/a
7	Sweden	92.60	92.60	0.89		n/a	Cabo Verde	n/a	n/a	n/a
9	Denmark	91.12	91.12	0.87		n/a	Cambodia	n/a	n/a	n/a
10	Ireland	90.68	90.68	0.86		n/a	Cameroon	n/a	n/a	n/a
11	Norway	89.05	89.05	0.84		n/a	China	n/a	n/a	n/a
12	Singapore	88.02	88.02	0.83		n/a	Costa Rica	n/a	n/a	n/a
13	Australia	87.57	87.57	0.79		n/a	Côte d'Ivoire	n/a	n/a	n/a
13	France	87.57	87.57	0.79		n/a	Croatia	n/a	n/a	n/a
15	New Zealand	87.43	87.43	0.78		n/a	Cyprus	n/a	n/a	n/a
16	Spain	87.28	87.28	0.76		n/a	Dominican Republic	n/a	n/a	n/a
17	Belgium	86.69	86.69	0.75		n/a	Ecuador	n/a	n/a	n/a
18	Czech Republic	86.24	86.24	0.73		n/a	El Salvador	n/a	n/a	n/a
19	Hungary	85.65	85.65	0.71		n/a	Estonia	n/a	n/a	n/a
20	Germany	83.88	83.88	0.70		n/a	Ethiopia	n/a	n/a	n/a
21	Greece	83.73	83.73	0.67		n/a	Fiji	n/a	n/a	n/a
21	Poland	83.73	83.73	0.67		n/a	Gambia	n/a	n/a	n/a
23	Switzerland	82.69	82.69	0.65		n/a	Georgia	n/a	n/a	n/a
24	Portugal	82.54	82.54	0.63		n/a	Guatemala	n/a	n/a	n/a
25	Austria	81.66	81.66	0.62		n/a	Guinea	n/a	n/a	n/a
26	Italy	81.51	81.51	0.59		n/a	Guyana	n/a	n/a	n/a
26	Romania	81.51	81.51	0.59		n/a	Honduras	n/a	n/a	n/a
28	Saudi Arabia	80.47	80.47	0.56		n/a	Iceland	n/a	n/a	n/a
28	Ukraine	80.47	80.47	0.56		n/a	Iran, Islamic Rep.	n/a	n/a	n/a
30	Japan	78.99	78.99	0.54		n/a	Jamaica	n/a	n/a	n/a
31	Chile	78.85	78.85	0.52		n/a	Kazakhstan	n/a	n/a	n/a
32	Korea, Rep.	78.55	78.55	0.51		n/a	Kyrgyzstan	n/a	n/a	n/a
33	Russian Federation	78.25	78.25	0.49		n/a	Latvia	n/a	n/a	n/a
34	Argentina	77.37	77.37	0.48		n/a	Lebanon	n/a	n/a	n/a
35	Slovakia	76.78	76.78	0.46		n/a	Lesotho	n/a	n/a	n/a
36	Kuwait	76.48	76.48	0.44		n/a	Lithuania	n/a	n/a	n/a
37	Brazil	75.44	75.44	0.43		n/a	Luxembourg	n/a	n/a	n/a
38	Bahrain	74.85	74.85	0.41		n/a	Madagascar	n/a	n/a	n/a
39	United Arab Emirates	71.30	71.30	0.40		n/a	Malawi	n/a	n/a	n/a
40	Mexico	70.86	70.86	0.38		n/a	Mali	n/a	n/a	n/a
41	Peru	70.41	70.41	0.37		n/a	Malta	n/a	n/a	n/a
42	Turkey	70.27	70.27	0.35		n/a	Mauritius	n/a	n/a	n/a
43	Thailand	69.53	69.53	0.33		n/a	Moldova, Rep.	n/a	n/a	n/a
44	Qatar	68.93	68.93	0.32		n/a	Mongolia	n/a	n/a	n/a
45	Malaysia	68.64	68.64	0.30	○	n/a	Montenegro	n/a	n/a	n/a
46	Colombia	67.31	67.31	0.29		n/a	Mozambique	n/a	n/a	n/a
47	Viet Nam	65.83	65.83	0.27		n/a	Myanmar	n/a	n/a	n/a
48	Philippines	65.09	65.09	0.25		n/a	Namibia	n/a	n/a	n/a
49	Jordan	62.13	62.13	0.24	○	n/a	Nepal	n/a	n/a	n/a
50	Egypt	61.69	61.69	0.22		n/a	Nicaragua	n/a	n/a	n/a
51	Venezuela, Bolivarian Rep.	59.91	59.91	0.21		n/a	Niger	n/a	n/a	n/a
52	Morocco	58.88	58.88	0.17	○	n/a	Pakistan	n/a	n/a	n/a
52	Tunisia	58.88	58.88	0.17	○	n/a	Panama	n/a	n/a	n/a
54	Oman	56.80	56.80	0.16		n/a	Paraguay	n/a	n/a	n/a
55	Indonesia	48.67	48.67	0.14		n/a	Rwanda	n/a	n/a	n/a
56	Algeria	46.01	46.01	0.13		n/a	Serbia	n/a	n/a	n/a
57	South Africa	42.46	42.46	0.11	○	n/a	Seychelles	n/a	n/a	n/a
58	India	41.57	41.57	0.10	○	n/a	Slovenia	n/a	n/a	n/a
59	Yemen	36.24	36.24	0.08		n/a	Sri Lanka	n/a	n/a	n/a
60	Senegal	31.07	31.07	0.06	○	n/a	Sudan	n/a	n/a	n/a
61	Kenya	29.88	29.88	0.05	○	n/a	Swaziland	n/a	n/a	n/a
62	Ghana	22.63	22.63	0.03	○	n/a	Tajikistan	n/a	n/a	n/a
63	Uganda	15.68	15.68	0.02	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a
64	Nigeria	0.00	0.00	0.00	○	n/a	TFYR of Macedonia	n/a	n/a	n/a
n/a	Albania	n/a	n/a	n/a		n/a	Togo	n/a	n/a	n/a
n/a	Angola	n/a	n/a	n/a		n/a	Trinidad and Tobago	n/a	n/a	n/a
n/a	Armenia	n/a	n/a	n/a		n/a	Uruguay	n/a	n/a	n/a
n/a	Azerbaijan	n/a	n/a	n/a		n/a	Uzbekistan	n/a	n/a	n/a
n/a	Bangladesh	n/a	n/a	n/a		n/a	Zambia	n/a	n/a	n/a
n/a	Barbados	n/a	n/a	n/a		n/a	Zimbabwe	n/a	n/a	n/a
n/a	Belarus	n/a	n/a	n/a						
n/a	Benin	n/a	n/a	n/a						
n/a	Bhutan	n/a	n/a	n/a						

SOURCE: Google, parent company of YouTube; United Nations, *World Population Prospects: The 2012 Revision* (population data)

NOTE: ● indicates a strength; ○ a weakness.