

Appendix II

Data Tables

Data Tables

This appendix provides tables for each of the 79 indicators that make up the Global Innovation Index 2015.

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 5.1.4 shows results for *indicator 5.1.4, GERD financed by business enterprise*, which is the fourth indicator of sub-pillar 5.1, *Knowledge workers*, within pillar 5, *Business sophistication*.

The sub-heading text provides a detailed description of each indicator and includes 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 2004–14 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. These instances are noted in the Country/Economy Profiles after the indicator name with a clock symbol.

A total of 55 variables are hard data. A total of 19 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

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 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 79 indicators in a specific economy.
- Weaknesses (○) are all scores with percent ranks lower than the 10th smallest percent rank among the 79 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 1.3.1, 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.

11.1 Political stability and absence of violence/terrorism
Political stability and absence of violence/terrorism index | 2013

Rank	Country/Economy	Score	Percent Rank	Rank	Country/Economy	Score	Percent Rank
1	New Zealand	1.45	100.00	51	Guatemala	0.08	0.02
2	Iceland	1.42	99.99	52	Guatemala	0.08	0.02
3	Iceland	1.36	97.76	53	Guatemala	0.08	0.02
4	Iceland	1.34	97.76	54	Guatemala	0.08	0.02
5	Iceland	1.33	97.76	55	Guatemala	0.08	0.02
6	Iceland	1.33	97.76	56	Guatemala	0.08	0.02
7	Iceland	1.33	97.76	57	Guatemala	0.08	0.02
8	Iceland	1.33	97.76	58	Guatemala	0.08	0.02
9	Iceland	1.33	97.76	59	Guatemala	0.08	0.02
10	Iceland	1.33	97.76	60	Guatemala	0.08	0.02
11	Iceland	1.33	97.76	61	Guatemala	0.08	0.02
12	Iceland	1.33	97.76	62	Guatemala	0.08	0.02
13	Iceland	1.33	97.76	63	Guatemala	0.08	0.02
14	Iceland	1.33	97.76	64	Guatemala	0.08	0.02
15	Iceland	1.33	97.76	65	Guatemala	0.08	0.02
16	Iceland	1.33	97.76	66	Guatemala	0.08	0.02
17	Iceland	1.33	97.76	67	Guatemala	0.08	0.02
18	Iceland	1.33	97.76	68	Guatemala	0.08	0.02
19	Iceland	1.33	97.76	69	Guatemala	0.08	0.02
20	Iceland	1.33	97.76	70	Guatemala	0.08	0.02
21	Iceland	1.33	97.76	71	Guatemala	0.08	0.02
22	Iceland	1.33	97.76	72	Guatemala	0.08	0.02
23	Iceland	1.33	97.76	73	Guatemala	0.08	0.02
24	Iceland	1.33	97.76	74	Guatemala	0.08	0.02
25	Iceland	1.33	97.76	75	Guatemala	0.08	0.02
26	Iceland	1.33	97.76	76	Guatemala	0.08	0.02
27	Iceland	1.33	97.76	77	Guatemala	0.08	0.02
28	Iceland	1.33	97.76	78	Guatemala	0.08	0.02
29	Iceland	1.33	97.76	79	Guatemala	0.08	0.02
30	Iceland	1.33	97.76	80	Guatemala	0.08	0.02
31	Iceland	1.33	97.76	81	Guatemala	0.08	0.02
32	Iceland	1.33	97.76	82	Guatemala	0.08	0.02
33	Iceland	1.33	97.76	83	Guatemala	0.08	0.02
34	Iceland	1.33	97.76	84	Guatemala	0.08	0.02
35	Iceland	1.33	97.76	85	Guatemala	0.08	0.02
36	Iceland	1.33	97.76	86	Guatemala	0.08	0.02
37	Iceland	1.33	97.76	87	Guatemala	0.08	0.02
38	Iceland	1.33	97.76	88	Guatemala	0.08	0.02
39	Iceland	1.33	97.76	89	Guatemala	0.08	0.02
40	Iceland	1.33	97.76	90	Guatemala	0.08	0.02
41	Iceland	1.33	97.76	91	Guatemala	0.08	0.02
42	Iceland	1.33	97.76	92	Guatemala	0.08	0.02
43	Iceland	1.33	97.76	93	Guatemala	0.08	0.02
44	Iceland	1.33	97.76	94	Guatemala	0.08	0.02
45	Iceland	1.33	97.76	95	Guatemala	0.08	0.02
46	Iceland	1.33	97.76	96	Guatemala	0.08	0.02
47	Iceland	1.33	97.76	97	Guatemala	0.08	0.02
48	Iceland	1.33	97.76	98	Guatemala	0.08	0.02
49	Iceland	1.33	97.76	99	Guatemala	0.08	0.02
50	Iceland	1.33	97.76	100	Guatemala	0.08	0.02

Source: World Bank, Global Governance Indicators 2013

● = 10th or better in strength; ○ = weakness

the page; details for each can be found in Appendix III, Sources and Definitions.

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

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	New Zealand	1.45	100.00	1.00	●	73	Senegal	-0.09	62.02	0.49	
2	Switzerland	1.37	98.09	0.99	●	74	Serbia	-0.10	61.80	0.48	
3	Finland	1.36	97.76	0.99	●	75	Panama	-0.13	60.85	0.47	
4	Austria	1.34	97.36	0.98	●	76	Tanzania, United Rep.	-0.15	60.41	0.46	
5	Singapore	1.33	97.14	0.97		77	Cambodia	-0.16	60.31	0.46	
6	Luxembourg	1.33	97.09	0.96		78	Ecuador	-0.20	59.32	0.45	
7	Norway	1.33	97.08	0.96	●	79	Greece	-0.20	59.27	0.44	
8	Barbados	1.29	96.12	0.95	●	80	Malawi	-0.22	58.61	0.44	
9	Iceland	1.26	95.32	0.94		81	Nicaragua	-0.25	58.05	0.43	●
10	Qatar	1.22	94.26	0.94	●	82	Mozambique	-0.27	57.45	0.42	
11	Sweden	1.13	92.02	0.93		83	Brazil	-0.28	57.27	0.41	
12	Netherlands	1.12	91.78	0.92		84	Bolivia, Plurinational St.	-0.35	55.56	0.41	
13	Slovakia	1.10	91.35	0.91	●	85	Bosnia and Herzegovina	-0.37	55.11	0.40	
14	Botswana	1.06	90.27	0.91	●	86	Angola	-0.37	54.95	0.39	●
15	Czech Republic	1.05	90.18	0.90	●	87	TFYR of Macedonia	-0.37	54.91	0.39	
16	Canada	1.03	89.64	0.89		88	Kazakhstan	-0.38	54.73	0.38	
17	Australia	1.02	89.29	0.89		89	Saudi Arabia	-0.41	54.05	0.37	
18	Malta	1.01	89.05	0.88		90	Azerbaijan	-0.41	54.01	0.36	
19	Japan	0.98	88.43	0.87		91	Togo	-0.43	53.60	0.36	
20	Poland	0.95	87.59	0.86	●	92	Swaziland	-0.44	53.36	0.35	
21	Denmark	0.95	87.56	0.86		93	Guyana	-0.44	53.24	0.34	
22	Mauritius	0.94	87.30	0.85	●	94	Georgia	-0.46	52.69	0.34	
23	Namibia	0.93	87.14	0.84	●	95	Honduras	-0.47	52.63	0.33	
24	Germany	0.93	87.08	0.84		96	Morocco	-0.50	51.79	0.32	
25	Lithuania	0.92	86.96	0.83		97	Indonesia	-0.50	51.78	0.31	
26	United Arab Emirates	0.92	86.86	0.82		98	Cameroon	-0.52	51.35	0.31	
27	Belgium	0.92	86.84	0.81		99	China	-0.55	50.65	0.30	
28	Hong Kong (China)	0.88	86.00	0.81		100	Uzbekistan	-0.55	50.58	0.29	
29	Ireland	0.88	85.86	0.80		101	Sri Lanka	-0.61	49.16	0.29	
30	Seychelles	0.87	85.65	0.79	●	102	Jordan	-0.62	48.92	0.28	
31	Slovenia	0.87	85.56	0.79		103	Paraguay	-0.67	47.59	0.27	
32	Uruguay	0.81	84.15	0.78	●	104	Zimbabwe	-0.69	47.09	0.26	
33	Cabo Verde	0.81	84.09	0.77	●	105	Guatemala	-0.69	46.97	0.26	
34	Bhutan	0.80	83.93	0.76	●	106	Madagascar	-0.71	46.49	0.25	
35	Hungary	0.78	83.43	0.76		107	Mexico	-0.74	45.92	0.24	○
36	Portugal	0.74	82.47	0.75		108	Russian Federation	-0.75	45.60	0.24	○
37	Estonia	0.73	82.09	0.74		109	Burkina Faso	-0.75	45.54	0.23	
38	Costa Rica	0.67	80.63	0.74		110	Ukraine	-0.76	45.42	0.22	
39	Croatia	0.61	79.34	0.73		111	Peru	-0.77	45.07	0.21	
40	United States of America	0.61	79.19	0.72		112	Uganda	-0.84	43.37	0.21	
41	Latvia	0.57	78.31	0.71		113	Kyrgyzstan	-0.91	41.64	0.20	
42	Cyprus	0.52	76.97	0.71		114	Tunisia	-0.91	41.59	0.19	○
43	Italy	0.51	76.76	0.70		115	Côte d'Ivoire	-1.05	38.16	0.19	
44	Mongolia	0.50	76.50	0.69		116	Philippines	-1.06	37.96	0.18	
45	Montenegro	0.49	76.15	0.69		117	Venezuela, Bolivarian Rep.	-1.08	37.52	0.17	
46	United Kingdom	0.48	76.11	0.68	○	118	Israel	-1.09	37.12	0.16	○
47	Oman	0.48	75.94	0.67		119	Tajikistan	-1.14	36.04	0.16	
48	France	0.42	74.63	0.66		120	Nepal	-1.14	35.93	0.15	
49	Zambia	0.39	73.78	0.66	●	121	Kenya	-1.15	35.76	0.14	
50	Chile	0.37	73.39	0.65		122	Myanmar	-1.15	35.60	0.14	
51	Lesotho	0.33	72.22	0.64	●	123	Algeria	-1.17	35.22	0.13	
52	Korea, Rep.	0.24	70.00	0.64		124	India	-1.19	34.79	0.12	○
53	Viet Nam	0.22	69.70	0.63		125	Turkey	-1.19	34.61	0.11	○
54	Dominican Republic	0.19	68.77	0.62	●	126	Guinea	-1.23	33.85	0.11	
55	Jamaica	0.18	68.51	0.61		127	Colombia	-1.27	32.79	0.10	○
56	Bulgaria	0.18	68.50	0.61		128	Iran, Islamic Rep.	-1.27	32.77	0.09	
57	Romania	0.15	67.94	0.60		129	Niger	-1.30	32.10	0.09	
58	Kuwait	0.14	67.67	0.59		130	Burundi	-1.30	32.06	0.08	
59	Trinidad and Tobago	0.10	66.67	0.59		131	Thailand	-1.32	31.46	0.07	○
60	Armenia	0.07	65.90	0.58		132	Bahrain	-1.34	30.97	0.06	○
61	Argentina	0.06	65.63	0.57		133	Ethiopia	-1.39	29.68	0.06	
62	Albania	0.06	65.59	0.56		134	Bangladesh	-1.61	24.28	0.05	○
63	Malaysia	0.05	65.44	0.56		135	Egypt	-1.62	24.10	0.04	○
64	Ghana	0.02	64.66	0.55		136	Mali	-1.69	22.48	0.04	○
65	Spain	0.01	64.52	0.54	○	137	Lebanon	-1.69	22.25	0.03	○
66	Belarus	-0.03	63.53	0.54		138	Nigeria	-2.08	12.74	0.02	○
67	Fiji	-0.03	63.50	0.53		139	Sudan	-2.20	9.74	0.01	○
68	Moldova, Rep.	-0.03	63.32	0.52		140	Yemen	-2.35	6.07	0.01	○
69	El Salvador	-0.04	63.08	0.51		141	Pakistan	-2.59	0.00	0.00	○
70	Gambia	-0.05	63.01	0.51	●						
71	South Africa	-0.06	62.73	0.50							
72	Rwanda	-0.08	62.07	0.49							

SOURCE: World Bank, *World Governance Indicators 2013*

NOTE: ● indicates a strength; ○ a weakness

1.1.2 Government effectiveness

Government effectiveness index | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland	2.17	100.00	1.00	●	73	Kuwait	-0.07	39.42	0.49	
2	Singapore	2.07	97.46	0.99	●	74	Morocco	-0.07	39.41	0.48	
3	Denmark	1.97	94.68	0.99	●	75	Brazil	-0.08	39.26	0.47	
4	Sweden	1.89	92.49	0.98	●	76	Ghana	-0.09	39.07	0.46	
5	Norway	1.86	91.80	0.97		77	Serbia	-0.10	38.63	0.46	
6	Switzerland	1.81	90.21	0.96		78	Jordan	-0.11	38.36	0.45	
7	Canada	1.77	89.28	0.96		79	El Salvador	-0.13	37.86	0.44	
8	Netherlands	1.77	89.17	0.95		80	Peru	-0.14	37.55	0.44	
9	New Zealand	1.75	88.59	0.94		81	Guyana	-0.16	36.98	0.43	
10	Hong Kong (China)	1.73	88.25	0.94		82	India	-0.19	36.26	0.42	
11	Australia	1.62	85.31	0.93		83	Sri Lanka	-0.23	35.11	0.41	
12	Luxembourg	1.62	85.07	0.92		84	Indonesia	-0.24	34.96	0.41	
13	Japan	1.59	84.51	0.91		85	Argentina	-0.29	33.55	0.40	
14	Belgium	1.59	84.38	0.91	●	86	Viet Nam	-0.30	33.30	0.39	
15	Austria	1.57	83.74	0.90		87	Albania	-0.33	32.38	0.39	
16	Germany	1.52	82.44	0.89		88	Russian Federation	-0.36	31.63	0.38	
17	United States of America	1.50	81.98	0.89		89	Lesotho	-0.38	31.07	0.37	
18	Iceland	1.48	81.49	0.88		90	Lebanon	-0.39	30.82	0.36	
19	United Kingdom	1.47	81.16	0.87		91	Bolivia, Plurinational St.	-0.40	30.64	0.36	
20	France	1.47	81.12	0.86		92	Moldova, Rep.	-0.40	30.61	0.35	
21	Ireland	1.46	80.99	0.86		93	Swaziland	-0.44	29.38	0.34	
22	Cyprus	1.35	77.92	0.85		94	Bosnia and Herzegovina	-0.45	29.16	0.34	
23	Barbados	1.35	77.75	0.84	●	95	Azerbaijan	-0.46	29.09	0.33	
24	Malta	1.25	75.14	0.84		96	Zambia	-0.48	28.54	0.32	
25	Chile	1.25	75.05	0.83		97	Senegal	-0.48	28.46	0.31	
26	Portugal	1.23	74.57	0.82		98	Ecuador	-0.49	28.25	0.31	
27	Israel	1.22	74.30	0.81		99	Kenya	-0.49	28.25	0.30	
28	United Arab Emirates	1.17	72.95	0.81		100	Dominican Republic	-0.49	28.10	0.29	
29	Spain	1.15	72.38	0.80		101	Ethiopia	-0.52	27.35	0.29	
30	Korea, Rep.	1.12	71.72	0.79		102	Kazakhstan	-0.54	26.88	0.28	
31	Malaysia	1.10	71.14	0.79		103	Mongolia	-0.54	26.77	0.27	
32	Qatar	1.07	70.34	0.78		104	Malawi	-0.56	26.24	0.26	
33	Slovenia	1.00	68.44	0.77		105	Uganda	-0.58	25.71	0.26	
34	Estonia	0.98	67.99	0.76		106	Algeria	-0.60	25.14	0.25	
35	Latvia	0.88	65.24	0.76		107	Burkina Faso	-0.62	24.71	0.24	
36	Mauritius	0.88	65.11	0.75		108	Mozambique	-0.65	23.86	0.24	
37	Czech Republic	0.88	65.08	0.74		109	Ukraine	-0.65	23.82	0.23	
38	Lithuania	0.82	63.68	0.74		110	Tanzania, United Rep.	-0.67	23.23	0.22	
39	Slovakia	0.78	62.40	0.73		111	Kyrgyzstan	-0.69	22.66	0.21	
40	Poland	0.71	60.54	0.72		112	Iran, Islamic Rep.	-0.70	22.57	0.21	
41	Croatia	0.69	60.02	0.71		113	Niger	-0.71	22.28	0.20	
42	Hungary	0.64	58.81	0.71		114	Guatemala	-0.71	22.14	0.19	
43	Bahrain	0.58	57.18	0.70		115	Gambia	-0.72	21.98	0.19	
44	Georgia	0.53	55.79	0.69		116	Honduras	-0.74	21.29	0.18	
45	Costa Rica	0.47	54.10	0.69		117	Pakistan	-0.80	19.76	0.17	
46	Italy	0.45	53.60	0.68		118	Nicaragua	-0.82	19.32	0.16	
47	Greece	0.45	53.53	0.67		119	Bangladesh	-0.82	19.23	0.16	
48	South Africa	0.43	53.13	0.66		120	Mali	-0.84	18.72	0.15	
49	Uruguay	0.41	52.35	0.66		121	Cameroon	-0.86	18.02	0.14	
50	Turkey	0.37	51.32	0.65		122	Paraguay	-0.88	17.59	0.14	
51	Bhutan	0.36	51.09	0.64	●	123	Egypt	-0.89	17.25	0.13	
52	Trinidad and Tobago	0.35	50.83	0.64	●	124	Cambodia	-0.92	16.46	0.12	
53	Panama	0.32	50.08	0.63		125	Nepal	-0.93	16.33	0.11	
54	Mexico	0.31	49.70	0.62		126	Uzbekistan	-0.94	16.09	0.11	
55	Seychelles	0.28	49.02	0.61		127	Belarus	-0.94	15.90	0.10	○
56	Botswana	0.28	48.90	0.61		128	Fiji	-0.96	15.51	0.09	○
57	Thailand	0.21	47.14	0.60		129	Nigeria	-1.01	14.11	0.09	
58	Oman	0.21	47.11	0.59		130	Côte d'Ivoire	-1.04	13.39	0.08	○
59	Namibia	0.19	46.62	0.59		131	Burundi	-1.07	12.34	0.07	
60	Montenegro	0.16	45.64	0.58		132	Tajikistan	-1.08	12.31	0.06	
61	Bulgaria	0.15	45.53	0.57		133	Madagascar	-1.12	11.02	0.06	
62	Cabo Verde	0.12	44.76	0.56	●	134	Venezuela, Bolivarian Rep.	-1.14	10.68	0.05	
63	Armenia	0.07	43.16	0.56		135	Zimbabwe	-1.14	10.62	0.04	○
64	Saudi Arabia	0.06	43.03	0.55		136	Yemen	-1.20	8.85	0.04	○
65	Philippines	0.06	43.00	0.54		137	Angola	-1.26	7.46	0.03	
66	Colombia	0.04	42.55	0.54		138	Guinea	-1.32	5.71	0.02	
67	Rwanda	0.00	41.39	0.53		139	Togo	-1.37	4.34	0.01	○
68	Tunisia	0.00	41.39	0.52		140	Myanmar	-1.51	0.59	0.01	○
69	Jamaica	-0.02	40.96	0.51		141	Sudan	-1.53	0.00	0.00	○
70	China	-0.03	40.60	0.51							
71	TFYR of Macedonia	-0.06	39.73	0.50							
72	Romania	-0.07	39.42	0.49							

SOURCE: World Bank, *World Governance Indicators 2013*

NOTE: ● indicates a strength; ○ a weakness

1.2.1 Regulatory quality

Regulatory quality index | 2013

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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	Singapore	1.96	100.00	1.00	●	73	Senegal	-0.05	46.53	0.49	
2	Hong Kong (China)	1.93	99.08	0.99	●	74	Philippines	-0.07	45.91	0.48	
3	Sweden	1.89	98.13	0.99	●	75	Serbia	-0.07	45.82	0.47	
4	Finland	1.85	97.03	0.98		76	Bosnia and Herzegovina	-0.08	45.61	0.46	
5	New Zealand	1.81	96.11	0.97	●	77	Kuwait	-0.09	45.53	0.46	
6	Denmark	1.80	95.79	0.96	●	78	Lebanon	-0.09	45.52	0.45	
7	Australia	1.79	95.45	0.96	●	79	Moldova, Rep.	-0.09	45.50	0.44	
8	Netherlands	1.77	94.83	0.95		80	Dominican Republic	-0.11	44.97	0.44	
9	United Kingdom	1.77	94.82	0.94		81	Cabo Verde	-0.12	44.64	0.43	
10	Luxembourg	1.76	94.73	0.94		82	Sri Lanka	-0.16	43.51	0.42	
11	Canada	1.71	93.47	0.93		83	Burkina Faso	-0.17	43.36	0.41	
12	Norway	1.65	91.86	0.92		84	Morocco	-0.17	43.31	0.41	
13	Switzerland	1.63	91.31	0.91		85	Indonesia	-0.20	42.57	0.40	
14	Ireland	1.58	89.86	0.91		86	Honduras	-0.20	42.51	0.39	
15	Germany	1.55	89.10	0.90		87	Guatemala	-0.21	42.17	0.39	
16	Chile	1.48	87.23	0.89	●	88	Uganda	-0.24	41.51	0.38	
17	Austria	1.48	87.17	0.89		89	Mongolia	-0.29	40.20	0.37	
18	Estonia	1.43	85.86	0.88		90	Seychelles	-0.29	40.01	0.36	
19	Belgium	1.29	82.19	0.87		91	Nicaragua	-0.30	39.70	0.36	
20	Malta	1.29	82.08	0.86		92	China	-0.31	39.64	0.35	
21	United States of America	1.26	81.30	0.86		93	Paraguay	-0.32	39.30	0.34	
22	Israel	1.16	78.56	0.85		94	Kyrgyzstan	-0.33	39.05	0.34	
23	France	1.15	78.38	0.84		95	Tanzania, United Rep.	-0.34	38.72	0.33	
24	Lithuania	1.13	77.93	0.84		96	Tunisia	-0.35	38.60	0.32	
25	Japan	1.10	77.15	0.83		97	Lesotho	-0.35	38.46	0.31	
26	Iceland	1.09	76.87	0.82		98	Cambodia	-0.35	38.45	0.31	
27	Czech Republic	1.09	76.76	0.81		99	Kenya	-0.35	38.40	0.30	
28	Poland	1.05	75.72	0.81		100	Swaziland	-0.36	38.17	0.29	
29	Latvia	1.03	75.14	0.80		101	Gambia	-0.37	38.04	0.29	
30	Korea, Rep.	0.98	73.94	0.79		102	Russian Federation	-0.37	37.98	0.28	○
31	Mauritius	0.94	72.81	0.79		103	Kazakhstan	-0.38	37.62	0.27	
32	Spain	0.93	72.59	0.78		104	Mozambique	-0.41	36.84	0.26	
33	Slovakia	0.91	72.16	0.77		105	Azerbaijan	-0.43	36.46	0.26	
34	Cyprus	0.91	72.07	0.76		106	Zambia	-0.47	35.36	0.25	
35	Hungary	0.89	71.44	0.76		107	India	-0.47	35.21	0.24	
36	Portugal	0.79	68.76	0.75		108	Mali	-0.50	34.45	0.24	
37	United Arab Emirates	0.78	68.53	0.74		109	Fiji	-0.57	32.58	0.23	
38	Italy	0.77	68.29	0.74		110	Niger	-0.61	31.60	0.22	
39	Qatar	0.74	67.53	0.73		111	Guyana	-0.62	31.44	0.21	
40	Georgia	0.74	67.39	0.72		112	Ukraine	-0.64	30.82	0.21	
41	Botswana	0.66	65.27	0.71	●	113	Viet Nam	-0.65	30.38	0.20	
42	Greece	0.62	64.24	0.71		114	Madagascar	-0.67	29.99	0.19	
43	Malaysia	0.62	64.23	0.70		115	Malawi	-0.68	29.71	0.19	
44	Slovenia	0.61	63.98	0.69		116	Egypt	-0.70	29.29	0.18	
45	Bahrain	0.60	63.81	0.69		117	Nigeria	-0.71	29.02	0.17	
46	Romania	0.59	63.49	0.68		118	Pakistan	-0.71	28.83	0.16	
47	Costa Rica	0.58	63.16	0.67		119	Côte d'Ivoire	-0.73	28.35	0.16	
48	Uruguay	0.52	61.72	0.66		120	Yemen	-0.74	28.24	0.15	
49	Bulgaria	0.52	61.64	0.66		121	Bolivia, Plurinational St.	-0.79	26.84	0.14	○
50	Oman	0.47	60.36	0.65		122	Nepal	-0.87	24.77	0.14	
51	Mexico	0.46	60.01	0.64		123	Burundi	-0.87	24.62	0.13	
52	Peru	0.45	59.85	0.64		124	Bangladesh	-0.93	23.12	0.12	
53	Croatia	0.44	59.53	0.63		125	Cameroon	-0.93	23.07	0.11	
54	Barbados	0.43	59.18	0.62		126	Ecuador	-0.94	22.72	0.11	○
55	Turkey	0.42	59.13	0.61		127	Togo	-0.95	22.50	0.10	
56	South Africa	0.41	58.66	0.61		128	Argentina	-0.99	21.48	0.09	○
57	Colombia	0.39	58.14	0.60		129	Guinea	-1.01	20.98	0.09	
58	Panama	0.37	57.67	0.59		130	Angola	-1.05	19.81	0.08	
59	TFYR of Macedonia	0.32	56.43	0.59		131	Tajikistan	-1.07	19.37	0.07	
60	El Salvador	0.31	55.97	0.58		132	Belarus	-1.09	18.72	0.06	○
61	Trinidad and Tobago	0.25	54.34	0.57		133	Bhutan	-1.10	18.60	0.06	○
62	Armenia	0.23	53.90	0.56		134	Ethiopia	-1.13	17.62	0.05	
63	Jamaica	0.23	53.83	0.56		135	Algeria	-1.19	16.24	0.04	
64	Thailand	0.21	53.49	0.55		136	Sudan	-1.44	9.38	0.04	
65	Albania	0.18	52.48	0.54		137	Iran, Islamic Rep.	-1.50	7.91	0.03	○
66	Jordan	0.11	50.86	0.54		138	Myanmar	-1.51	7.63	0.02	
67	Ghana	0.08	49.89	0.53		139	Uzbekistan	-1.63	4.37	0.01	○
68	Saudi Arabia	0.08	49.87	0.52		140	Venezuela, Bolivarian Rep.	-1.64	4.08	0.01	○
69	Brazil	0.07	49.56	0.51		141	Zimbabwe	-1.80	0.00	0.00	○
70	Namibia	0.05	49.20	0.51							
71	Montenegro	0.05	49.12	0.50							
72	Rwanda	0.03	48.69	0.49							

SOURCE: World Bank, *World Governance Indicators 2013*

NOTE: ● indicates a strength; ○ a weakness

THE GLOBAL INNOVATION INDEX 2015

1.2.2 Rule of law

Rule of law index | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Norway	1.97	100.00	1.00	●	73	Panama	-0.24	41.26	0.49	
2	Sweden	1.95	99.63	0.99	●	74	Morocco	-0.25	41.05	0.48	
3	Finland	1.93	98.87	0.99	●	75	Lesotho	-0.26	40.71	0.47	●
4	Denmark	1.87	97.48	0.98	●	76	Sri Lanka	-0.27	40.41	0.46	
5	New Zealand	1.86	97.13	0.97	●	77	Senegal	-0.27	40.37	0.46	
6	Austria	1.83	96.30	0.96	●	78	Zambia	-0.31	39.48	0.45	
7	Netherlands	1.81	95.77	0.96		79	Armenia	-0.31	39.26	0.44	
8	Switzerland	1.79	95.28	0.95		80	Serbia	-0.34	38.51	0.44	
9	Luxembourg	1.79	95.20	0.94		81	Uganda	-0.36	38.13	0.43	
10	Australia	1.75	94.30	0.94		82	Mongolia	-0.37	37.80	0.42	
11	Singapore	1.74	94.02	0.93		83	Jamaica	-0.39	37.34	0.41	
12	Canada	1.74	93.93	0.92		84	Moldova, Rep.	-0.41	36.72	0.41	
13	Ireland	1.72	93.42	0.91		85	Swaziland	-0.42	36.38	0.40	
14	United Kingdom	1.67	92.16	0.91		86	Philippines	-0.43	36.27	0.39	
15	Iceland	1.65	91.41	0.90		87	Colombia	-0.45	35.70	0.39	
16	Germany	1.62	90.62	0.89		88	China	-0.46	35.50	0.38	
17	Hong Kong (China)	1.54	88.70	0.89		89	Viet Nam	-0.49	34.67	0.37	
18	United States of America	1.54	88.50	0.88		90	Tanzania, United Rep.	-0.50	34.22	0.36	
19	Japan	1.41	85.14	0.87		91	Guyana	-0.52	33.67	0.36	
20	Belgium	1.40	84.97	0.86		92	Burkina Faso	-0.53	33.62	0.35	
21	France	1.40	84.84	0.86		93	Dominican Republic	-0.53	33.47	0.34	
22	Chile	1.34	83.25	0.85		94	Indonesia	-0.55	32.88	0.34	
23	Malta	1.32	82.81	0.84		95	Albania	-0.57	32.36	0.33	
24	Estonia	1.16	78.63	0.84		96	Mexico	-0.58	32.26	0.32	
25	Qatar	1.04	75.40	0.83		97	Gambia	-0.59	32.02	0.31	
26	Portugal	1.03	75.12	0.82		98	Egypt	-0.60	31.62	0.31	
27	Czech Republic	1.00	74.30	0.81		99	Peru	-0.61	31.42	0.30	
28	Barbados	1.00	74.22	0.81		100	Ethiopia	-0.62	31.09	0.29	
29	Cyprus	1.00	74.20	0.80		101	Nicaragua	-0.65	30.43	0.29	
30	Spain	1.00	74.15	0.79		102	Kazakhstan	-0.67	29.89	0.28	
31	Slovenia	0.97	73.41	0.79		103	Azerbaijan	-0.67	29.71	0.27	
32	Israel	0.95	72.98	0.78		104	El Salvador	-0.68	29.67	0.26	
33	Korea, Rep.	0.94	72.58	0.77		105	Algeria	-0.68	29.53	0.26	
34	Mauritius	0.90	71.63	0.76		106	Argentina	-0.73	28.17	0.25	
35	Lithuania	0.79	68.68	0.76		107	Kenya	-0.74	27.84	0.24	
36	Poland	0.79	68.53	0.75		108	Niger	-0.75	27.81	0.24	
37	Latvia	0.75	67.48	0.74		109	Mali	-0.75	27.69	0.23	
38	United Arab Emirates	0.64	64.75	0.74		110	Nepal	-0.76	27.53	0.22	
39	Botswana	0.59	63.42	0.73	●	111	Lebanon	-0.78	26.98	0.21	
40	Hungary	0.56	62.63	0.72		112	Russian Federation	-0.78	26.79	0.21	○
41	Oman	0.56	62.44	0.71	●	113	Paraguay	-0.82	25.74	0.20	
42	Uruguay	0.50	61.03	0.71		114	Ukraine	-0.83	25.68	0.19	○
43	Costa Rica	0.50	60.82	0.70		115	Bangladesh	-0.83	25.51	0.19	
44	Cabo Verde	0.48	60.45	0.69	●	116	Fiji	-0.84	25.25	0.18	
45	Malaysia	0.48	60.30	0.69		117	Mozambique	-0.85	25.11	0.17	
46	Slovakia	0.45	59.51	0.68		118	Pakistan	-0.88	24.24	0.16	
47	Greece	0.44	59.29	0.67		119	Belarus	-0.89	23.99	0.16	○
48	Kuwait	0.39	57.95	0.66		120	Madagascar	-0.90	23.76	0.15	
49	Jordan	0.39	57.94	0.66		121	Côte d'Ivoire	-0.93	22.84	0.14	
50	Italy	0.36	57.13	0.65		122	Ecuador	-0.95	22.35	0.14	
51	Bahrain	0.35	56.99	0.64		123	Iran, Islamic Rep.	-0.98	21.49	0.13	
52	Saudi Arabia	0.26	54.68	0.64		124	Cambodia	-0.99	21.30	0.12	
53	Croatia	0.26	54.68	0.63		125	Togo	-1.01	20.79	0.11	
54	Namibia	0.25	54.27	0.62		126	Cameroon	-1.05	19.81	0.11	
55	Bhutan	0.24	54.11	0.61	●	127	Burundi	-1.06	19.38	0.10	
56	South Africa	0.13	51.01	0.61		128	Bolivia, Plurinational St.	-1.07	19.14	0.09	○
57	Ghana	0.11	50.52	0.60	●	129	Guatemala	-1.11	18.06	0.09	
58	Romania	0.11	50.47	0.59		130	Kyrgyzstan	-1.14	17.34	0.08	
59	Turkey	0.08	49.76	0.59		131	Nigeria	-1.16	16.83	0.07	
60	Seychelles	0.04	48.77	0.58		132	Yemen	-1.16	16.81	0.06	
61	Montenegro	0.02	48.17	0.57		133	Uzbekistan	-1.20	15.60	0.06	○
62	Georgia	-0.02	46.97	0.56		134	Myanmar	-1.22	15.17	0.05	
63	India	-0.10	45.00	0.56		135	Honduras	-1.23	14.95	0.04	○
64	Brazil	-0.12	44.46	0.55		136	Tajikistan	-1.24	14.67	0.04	○
65	Thailand	-0.13	44.09	0.54		137	Sudan	-1.25	14.31	0.03	○
66	Bulgaria	-0.14	43.98	0.54		138	Angola	-1.28	13.59	0.02	
67	Rwanda	-0.15	43.71	0.53		139	Guinea	-1.42	9.81	0.01	○
68	Bosnia and Herzegovina	-0.17	43.23	0.52		140	Zimbabwe	-1.57	5.92	0.01	○
69	Malawi	-0.19	42.57	0.51		141	Venezuela, Bolivarian Rep.	-1.79	0.00	0.00	○
70	TFYR of Macedonia	-0.20	42.29	0.51							
71	Tunisia	-0.20	42.27	0.50							
72	Trinidad and Tobago	-0.22	41.70	0.49							

SOURCE: World Bank, *World Governance Indicators 2013*

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) | 2014

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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	Austria	8.00	100.00	0.88	●	73	Barbados	16.00	84.15	0.49	
1	Bahrain	8.00	100.00	0.88	●	74	Guyana	16.63	82.89	0.47	
1	Cyprus	8.00	100.00	0.88	●	74	Malawi	16.63	82.89	0.47	
1	Denmark	8.00	100.00	0.88	●	76	Colombia	16.67	82.83	0.46	
1	Guinea	8.00	100.00	0.88	●	77	Portugal	17.00	82.17	0.46	
1	Hong Kong (China)	8.00	100.00	0.88	●	78	Algeria	17.30	81.57	0.44	●
1	Italy	8.00	100.00	0.88	●	78	Kyrgyzstan	17.30	81.57	0.44	
1	Japan	8.00	100.00	0.88	●	80	Spain	17.37	81.44	0.44	○
1	Jordan	8.00	100.00	0.88	●	81	Russian Federation	17.40	81.37	0.42	
1	Kenya	8.00	100.00	0.88	●	81	Uzbekistan	17.40	81.37	0.42	
1	Malta	8.00	100.00	0.88	●	83	Panama	18.13	79.92	0.41	
1	New Zealand	8.00	100.00	0.88	●	84	Costa Rica	18.67	78.86	0.41	
1	Oman	8.00	100.00	0.88	●	85	Poland	18.77	78.67	0.40	
1	Romania	8.00	100.00	0.88	●	86	Slovakia	18.80	78.60	0.39	
1	Serbia	8.00	100.00	0.88	●	87	Ethiopia	19.13	77.94	0.39	
1	Singapore	8.00	100.00	0.88	●	88	Cambodia	19.33	77.54	0.38	
1	United Arab Emirates	8.00	100.00	0.88	●	89	Saudi Arabia	19.47	77.28	0.37	
1	United States of America	8.00	100.00	0.88	●	90	Belgium	19.67	76.88	0.36	○
19	Bhutan	8.30	99.41	0.87	●	91	Cameroon	19.87	76.49	0.36	
20	Bulgaria	8.60	98.81	0.84	●	92	Myanmar	20.20	75.83	0.35	●
20	Georgia	8.60	98.81	0.84	●	93	Czech Republic	20.27	75.69	0.34	○
20	Kazakhstan	8.60	98.81	0.84	●	94	Trinidad and Tobago	20.50	75.23	0.34	
20	Mongolia	8.60	98.81	0.84	●	95	Morocco	20.70	74.83	0.33	
24	Lebanon	8.67	98.68	0.81	●	96	Albania	20.80	74.64	0.31	
24	Netherlands	8.67	98.68	0.81		96	Uruguay	20.80	74.64	0.31	
24	Norway	8.67	98.68	0.81		98	Germany	21.57	73.12	0.31	○
24	Uganda	8.67	98.68	0.81	●	99	Luxembourg	21.67	72.92	0.30	○
28	Bosnia and Herzegovina	9.20	97.62	0.81	●	100	Botswana	21.67	72.92	0.29	
29	South Africa	9.33	97.36	0.79		101	Azerbaijan	21.70	72.85	0.28	○
29	Tanzania, United Rep.	9.33	97.36	0.79	●	101	Belarus	21.70	72.85	0.28	○
29	United Kingdom	9.33	97.36	0.79		103	Mexico	22.00	72.26	0.27	
32	Fiji	9.63	96.76	0.77	●	104	Moldova, Rep.	22.63	71.00	0.26	
32	Namibia	9.63	96.76	0.77	●	105	El Salvador	22.87	70.54	0.26	
34	Canada	10.00	96.04	0.76		106	Iran, Islamic Rep.	23.10	70.08	0.25	
35	Finland	10.10	95.84	0.75		107	Qatar	23.23	69.82	0.24	
35	Iceland	10.10	95.84	0.75		108	Malaysia	23.90	68.49	0.24	○
37	Switzerland	10.13	95.77	0.74		109	Viet Nam	24.57	67.17	0.23	
38	Burkina Faso	10.43	95.18	0.74	●	110	Lithuania	24.60	67.11	0.22	○
39	Mauritius	10.63	94.78	0.73		111	Sudan	25.97	64.40	0.21	
40	Slovenia	10.67	94.72	0.72		112	Gambia	26.00	64.33	0.21	
41	Armenia	11.00	94.06	0.71		113	Paraguay	26.07	64.20	0.20	
42	Montenegro	11.23	93.59	0.71		114	Dominican Republic	26.17	64.00	0.19	
43	Peru	11.43	93.20	0.70		115	Guatemala	27.00	62.35	0.19	
44	Australia	11.67	92.73	0.69		116	Nepal	27.17	62.02	0.17	
45	France	11.87	92.34	0.69		116	Pakistan	27.17	62.02	0.17	
46	Seychelles	11.90	92.27	0.68	●	118	Chile	27.40	61.56	0.13	○
47	Tunisia	12.07	91.94	0.67		118	China	27.40	61.56	0.13	○
48	Madagascar	12.23	91.61	0.66	●	118	Israel	27.40	61.56	0.13	○
49	Estonia	12.90	90.29	0.66		118	Korea, Rep.	27.40	61.56	0.13	○
50	Latvia	12.97	90.16	0.64		118	Philippines	27.40	61.56	0.13	
50	Rwanda	12.97	90.16	0.64		118	Yemen	27.40	61.56	0.13	
50	TFYR of Macedonia	12.97	90.16	0.64		124	Kuwait	28.10	60.17	0.12	○
53	Ukraine	13.00	90.09	0.63		125	Cabo Verde	29.50	57.40	0.11	
54	Côte d'Ivoire	13.07	89.96	0.62	●	126	Turkey	29.77	56.87	0.11	○
55	Togo	13.10	89.89	0.61	●	127	Argentina	30.33	55.75	0.09	○
56	Hungary	13.43	89.23	0.61		127	Honduras	30.33	55.75	0.09	○
57	Mali	13.63	88.84	0.60	●	129	Bangladesh	30.97	54.49	0.09	
58	Jamaica	14.00	88.11	0.59		130	Angola	31.03	54.36	0.08	
58	Niger	14.00	88.11	0.59	●	131	Ecuador	31.80	52.84	0.07	○
60	Ireland	14.33	87.45	0.58	○	132	Thailand	35.97	44.58	0.06	○
61	Sweden	14.43	87.25	0.57	○	133	Egypt	36.87	42.80	0.06	○
62	Swaziland	14.57	86.99	0.56	●	134	Mozambique	37.53	41.48	0.05	○
63	Senegal	14.80	86.53	0.56	●	135	Ghana	49.77	17.24	0.04	○
64	Nicaragua	14.93	86.26	0.55	●	136	Zambia	50.53	15.72	0.04	○
65	Lesotho	14.97	86.20	0.54	●	137	Indonesia	57.77	1.39	0.03	○
66	Croatia	15.10	85.93	0.54		138	Bolivia, Plurinational St. (2013)	82.33	0.00	0.00	○
67	Nigeria	15.40	85.34	0.53	●	138	Sri Lanka	82.33	0.00	0.00	○
68	Brazil	15.43	85.27	0.52		138	Venezuela, Bolivarian Rep. (2013)	82.33	0.00	0.00	○
69	Tajikistan	15.53	85.07	0.51		138	Zimbabwe	82.33	0.00	0.00	○
70	India	15.70	84.74	0.51							
71	Burundi	15.90	84.35	0.49	●						
71	Greece	15.90	84.35	0.49							

SOURCE: World Bank. *Doing Business 2015: Going Beyond Efficiency*

NOTE: ● indicates a strength; ○ a weakness

1.3.1 Ease of starting a business

Ease of starting a business (distance to frontier) | 2014

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	●	73	Croatia	85.43	85.43	0.49	
2	Canada	98.82	98.82	0.99	●	74	Peru	85.10	85.10	0.48	
3	TFYR of Macedonia	98.08	98.08	0.99	●	75	Senegal	85.04	85.04	0.47	
4	Armenia	97.77	97.77	0.98	●	76	Bhutan	85.01	85.01	0.46	
5	Georgia	97.73	97.73	0.97	●	77	Barbados	84.36	84.36	0.46	
6	Singapore	96.48	96.48	0.96		78	Ghana	83.73	83.73	0.45	
7	Australia	96.47	96.47	0.96	●	79	Guatemala	83.72	83.72	0.44	
8	Hong Kong (China)	96.38	96.38	0.95		80	Guyana	83.62	83.62	0.44	
9	Kyrgyzstan	96.35	96.35	0.94	●	81	Tunisia	83.60	83.60	0.43	
10	Portugal	96.27	96.27	0.94	●	82	Austria	83.42	83.42	0.42	○
11	Lithuania	96.22	96.22	0.93	●	83	Qatar	83.14	83.14	0.41	
12	Azerbaijan	95.54	95.54	0.92	●	84	Nepal	83.01	83.01	0.40	
13	Malaysia	94.90	94.90	0.91		84	Sri Lanka	83.01	83.01	0.40	
14	Belgium	94.42	94.42	0.91	●	86	Tajikistan	83.00	83.00	0.39	
15	Slovenia	94.39	94.39	0.90		87	Mozambique	82.96	82.96	0.39	
16	Korea, Rep.	94.36	94.36	0.89		88	Lesotho	82.84	82.84	0.38	
17	Burundi	94.25	94.25	0.89	●	89	Saudi Arabia	82.71	82.71	0.37	
18	Ireland	94.17	94.17	0.88		90	Czech Republic	82.58	82.58	0.36	○
19	Jamaica	94.13	94.13	0.87	●	91	Rwanda	81.66	81.66	0.36	
20	Netherlands	94.08	94.08	0.86		92	Dominican Republic	81.60	81.60	0.35	
21	Norway	94.03	94.03	0.86		93	Germany	81.38	81.38	0.34	○
22	Denmark	93.40	93.40	0.85		94	Bangladesh	81.36	81.36	0.34	
23	Estonia	93.25	93.25	0.84		95	Pakistan	80.92	80.92	0.33	
24	Finland	93.10	93.10	0.84		96	Costa Rica	80.90	80.90	0.32	
25	France	93.00	93.00	0.83		97	Lebanon	80.80	80.80	0.31	
26	Mauritius	92.47	92.47	0.82		98	Nicaragua	80.27	80.27	0.31	
27	Iceland	92.35	92.35	0.81		99	El Salvador	79.87	79.87	0.30	
28	Sweden	92.30	92.30	0.81		100	Oman	79.29	79.29	0.29	
29	Russian Federation	92.17	92.17	0.80		101	Tanzania, United Rep.	78.85	78.85	0.29	
30	Moldova, Rep.	92.16	92.16	0.79		102	Viet Nam	77.68	77.68	0.28	
31	Latvia	92.12	92.12	0.79		103	Paraguay	77.52	77.52	0.27	
32	Madagascar	92.02	92.02	0.78	●	104	Seychelles	77.48	77.48	0.26	
33	Panama	91.93	91.93	0.76		105	China	77.43	77.43	0.26	
33	Romania	91.93	91.93	0.76	●	106	Nigeria	77.13	77.13	0.25	
35	Belarus	91.88	91.88	0.76		107	Bahrain	76.92	76.92	0.24	
36	Albania	91.86	91.86	0.75	●	108	Cameroon	76.41	76.41	0.24	
37	Mongolia	91.33	91.33	0.74		109	Togo	76.06	76.06	0.23	
38	Côte d'Ivoire	91.24	91.24	0.74	●	110	Malta	75.29	75.29	0.22	○
39	United Kingdom	91.23	91.23	0.73		111	Honduras	74.84	74.84	0.21	
40	Italy	91.22	91.22	0.71		112	Sudan	74.71	74.71	0.21	
40	United States of America	91.22	91.22	0.71		113	Yemen	74.43	74.43	0.20	
42	Bulgaria	91.09	91.09	0.71		114	Algeria	74.07	74.07	0.19	
43	Greece	90.71	90.71	0.70		115	Kenya	74.02	74.02	0.19	
44	Israel	90.54	90.54	0.69		116	Swaziland	73.47	73.47	0.18	
45	Morocco	90.33	90.33	0.69		117	Argentina	72.58	72.58	0.17	
46	Kazakhstan	90.19	90.19	0.68		118	Bosnia and Herzegovina	72.51	72.51	0.16	○
47	Montenegro	90.05	90.05	0.67		119	Botswana	71.68	71.68	0.16	
48	Hungary	90.04	90.04	0.66		120	Kuwait	71.30	71.30	0.15	
49	United Arab Emirates	89.97	89.97	0.66		121	Burkina Faso	69.06	69.06	0.14	
50	Chile	89.83	89.83	0.65		122	Indonesia	68.84	68.84	0.14	
51	Uruguay	89.68	89.68	0.64		123	Namibia	68.67	68.67	0.13	○
52	South Africa	89.43	89.43	0.64		124	Malawi	68.53	68.53	0.12	
53	Iran, Islamic Rep.	89.37	89.37	0.63	●	125	India	68.42	68.42	0.11	○
54	Cyprus	89.18	89.18	0.62		126	Gambia	68.37	68.37	0.11	
55	Uzbekistan	89.00	89.00	0.61	●	127	Fiji	67.79	67.79	0.10	○
56	Serbia	88.91	88.91	0.61		128	Philippines	67.23	67.23	0.09	○
57	Mexico	88.85	88.85	0.60		129	Ecuador	65.31	65.31	0.09	○
58	Zambia	88.63	88.63	0.59	●	130	Uganda	63.44	63.44	0.08	
59	Switzerland	88.42	88.42	0.59	○	131	Brazil	63.37	63.37	0.07	○
60	Trinidad and Tobago	88.33	88.33	0.58		132	Ethiopia	63.15	63.15	0.06	
61	Egypt	88.14	88.14	0.57		133	Mali	62.92	62.92	0.06	
62	Spain	88.08	88.08	0.56		134	Bolivia, Plurinational St.	59.07	59.07	0.05	○
63	Thailand	87.98	87.98	0.56		135	Angola	56.56	56.56	0.04	
64	Ukraine	87.35	87.35	0.55		136	Guinea	55.44	55.44	0.04	
65	Slovakia	87.02	87.02	0.54		137	Niger	54.41	54.41	0.03	○
66	Cabo Verde	87.00	87.00	0.54	●	138	Zimbabwe	51.42	51.42	0.02	○
67	Turkey	86.86	86.86	0.53		139	Venezuela, Bolivarian Rep.	45.23	45.23	0.01	○
68	Luxembourg	86.47	86.47	0.52		140	Cambodia	41.23	41.23	0.01	○
69	Japan	86.21	86.21	0.51		141	Myanmar	22.85	22.85	0.00	○
70	Colombia	86.13	86.13	0.51							
71	Poland	85.79	85.79	0.50							
72	Jordan	85.61	85.61	0.49							

SOURCE: World Bank. *Doing Business 2015: Going Beyond Efficiency*

NOTE: ● indicates a strength; ○ a weakness

1.3.2

Ease of resolving insolvency

Ease of resolving insolvency (distance to frontier) | 2014

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland	93.85	93.85	1.00	●	73	Pakistan	46.18	46.18	0.49	
2	Japan	93.74	93.74	0.99	●	74	El Salvador	46.02	46.02	0.48	
3	Germany	91.78	91.78	0.99	●	75	Swaziland	45.80	45.80	0.47	
4	United States of America	90.12	90.12	0.98	●	76	Namibia	45.53	45.53	0.46	
5	Korea, Rep.	90.06	90.06	0.97	●	77	Nepal	45.41	45.41	0.46	●
6	Canada	89.17	89.17	0.96	●	78	Argentina	45.10	45.10	0.45	
7	Norway	85.62	85.62	0.96	●	79	Cambodia	45.02	45.02	0.44	
8	Denmark	84.59	84.59	0.95		80	Côte d'Ivoire	44.97	44.97	0.44	●
9	Portugal	84.19	84.19	0.94	●	81	Malta	44.78	44.78	0.43	
10	Belgium	83.87	83.87	0.94	●	82	Bahrain	44.24	44.24	0.42	
11	Netherlands	83.77	83.77	0.93		83	Costa Rica	43.95	43.95	0.41	
12	United Kingdom	82.04	82.04	0.92		84	Mongolia	43.93	43.93	0.41	
13	Australia	81.60	81.60	0.91		85	Fiji	43.62	43.62	0.40	
14	Iceland	81.47	81.47	0.91		86	United Arab Emirates	43.51	43.51	0.39	
15	Austria	78.84	78.84	0.90		87	Togo	43.12	43.12	0.39	●
16	Sweden	78.43	78.43	0.89		88	Azerbaijan	43.02	43.02	0.38	
17	Singapore	77.94	77.94	0.89		89	Zambia	43.01	43.01	0.37	
18	Czech Republic	77.50	77.50	0.88		90	Bolivia, Plurinational St.	42.82	42.82	0.36	
19	Ireland	76.90	76.90	0.87		91	Algeria	42.74	42.74	0.36	
20	France	75.94	75.94	0.86		92	Uganda	42.27	42.27	0.35	
21	Spain	75.89	75.89	0.86		93	Senegal	41.86	41.86	0.34	
22	Israel	75.21	75.21	0.85		94	Rwanda	41.77	41.77	0.34	
23	Hong Kong (China)	75.06	75.06	0.84		95	Gambia	41.51	41.51	0.33	
24	Barbados	74.09	74.09	0.84	●	96	Viet Nam	41.27	41.27	0.32	
25	Mexico	72.59	72.59	0.83	●	97	Tanzania, United Rep.	41.12	41.12	0.31	
26	New Zealand	71.56	71.56	0.82		98	Paraguay	40.87	40.87	0.31	
27	Italy	71.29	71.29	0.81		99	Mozambique	40.75	40.75	0.30	
28	Colombia	70.00	70.00	0.81		100	Mali	40.35	40.35	0.29	
29	Slovakia	69.93	69.93	0.80		101	Turkey	40.00	40.00	0.29	
30	Poland	69.73	69.73	0.79		102	Nicaragua	39.64	39.64	0.28	
31	Montenegro	68.22	68.22	0.79	●	103	Oman	39.02	39.02	0.27	
32	Bosnia and Herzegovina	66.21	66.21	0.78	●	104	Morocco	38.47	38.47	0.26	
33	TFYR of Macedonia	65.93	65.93	0.77	●	105	Burkina Faso	38.08	38.08	0.26	
34	Malaysia	65.61	65.61	0.76		106	Guinea	37.62	37.62	0.25	●
35	Estonia	64.92	64.92	0.76		107	Lesotho	37.51	37.51	0.24	
36	Bulgaria	64.75	64.75	0.75		108	Georgia	36.48	36.48	0.24	
37	South Africa	64.51	64.51	0.74		109	Cameroon	36.42	36.42	0.23	
38	Latvia	63.42	63.42	0.74		110	Egypt	36.17	36.17	0.22	
39	Switzerland	63.10	63.10	0.73		111	Kuwait	36.02	36.02	0.21	
40	Slovenia	62.91	62.91	0.72		112	Niger	36.01	36.01	0.21	
41	Mauritius	62.81	62.81	0.71		113	Madagascar	34.43	34.43	0.20	
42	Albania	61.37	61.37	0.71	●	114	Nigeria	33.76	33.76	0.19	
43	Thailand	58.73	58.73	0.70		115	Panama	33.66	33.66	0.19	
44	Romania	58.70	58.70	0.69		116	Kenya	33.31	33.31	0.18	
45	Qatar	58.27	58.27	0.69		117	Lebanon	33.03	33.03	0.17	○
46	Serbia	57.90	57.90	0.68		118	India	32.60	32.60	0.16	
47	Botswana	57.17	57.17	0.67	●	119	Iran, Islamic Rep.	32.38	32.38	0.16	
48	Philippines	56.74	56.74	0.66	●	120	Honduras	31.83	31.83	0.15	○
49	Cyprus	56.68	56.68	0.66		121	Ukraine	31.17	31.17	0.14	○
50	Greece	55.98	55.98	0.65		122	Burundi	30.55	30.55	0.14	
51	China	55.31	55.31	0.64		123	Jordan	30.17	30.17	0.13	○
52	Tunisia	54.71	54.71	0.64		124	Bangladesh	29.49	29.49	0.12	
53	Brazil	54.52	54.52	0.63		125	Zimbabwe	29.28	29.28	0.11	
54	Croatia	53.92	53.92	0.62		126	Tajikistan	29.26	29.26	0.11	
55	Uruguay	53.47	53.47	0.61		127	Guyana	28.50	28.50	0.10	○
56	Moldova, Rep.	53.32	53.32	0.61		128	Ecuador	28.36	28.36	0.09	○
57	Jamaica	53.29	53.29	0.60		129	Yemen	27.46	27.46	0.09	
58	Seychelles	52.17	52.17	0.59		130	Guatemala	27.37	27.37	0.08	○
59	Luxembourg	51.83	51.83	0.59		131	Sudan	26.54	26.54	0.07	
60	Kazakhstan	51.45	51.45	0.58		132	Kyrgyzstan	24.38	24.38	0.06	○
61	Hungary	49.78	49.78	0.57		133	Dominican Republic	23.75	23.75	0.06	○
62	Russian Federation	49.69	49.69	0.56		134	Myanmar	23.51	23.51	0.05	
63	Trinidad and Tobago	48.97	48.97	0.56		135	Ghana	22.45	22.45	0.04	○
64	Lithuania	48.47	48.47	0.55		136	Saudi Arabia	21.67	21.67	0.04	○
65	Belarus	48.18	48.18	0.54		137	Venezuela, Bolivarian Rep.	19.20	19.20	0.03	
66	Armenia	48.14	48.14	0.54		138	Malawi	18.99	18.99	0.02	○
67	Sri Lanka	47.81	47.81	0.53		139	Angola	0.00	0.00	0.00	○
68	Chile	47.38	47.38	0.52		139	Bhutan	0.00	0.00	0.00	○
69	Ethiopia	47.20	47.20	0.51	●	139	Cabo Verde	0.00	0.00	0.00	○
70	Indonesia	46.75	46.75	0.51							
71	Peru	46.57	46.57	0.50							
72	Uzbekistan	46.45	46.45	0.49	●						

SOURCE: World Bank. *Doing Business 2015: Going Beyond Efficiency*

NOTE: ● indicates a strength; ○ a weakness

1.3.3 Ease of paying taxes

Ease of paying taxes (distance to frontier) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Qatar.....	99.44	99.44	0.99	●	73	Cabo Verde.....	73.05	73.05	0.49	
1	United Arab Emirates.....	99.44	99.44	0.99	●	74	Barbados.....	72.99	72.99	0.48	
3	Saudi Arabia.....	99.23	99.23	0.99	●	75	France.....	72.12	72.12	0.47	○
4	Hong Kong (China).....	98.51	98.51	0.98		76	Israel.....	71.88	71.88	0.46	○
5	Singapore.....	97.19	97.19	0.97		77	Montenegro.....	71.59	71.59	0.46	
6	Ireland.....	95.07	95.07	0.96	●	78	Slovakia.....	71.57	71.57	0.45	
7	TFYR of Macedonia.....	94.17	94.17	0.96	●	79	Ghana.....	71.53	71.53	0.44	
8	Bahrain.....	93.88	93.88	0.95	●	80	Kenya.....	71.49	71.49	0.44	
9	Canada.....	93.00	93.00	0.94		81	Malawi.....	71.37	71.37	0.43	
10	Oman.....	92.91	92.91	0.94	●	82	Uganda.....	71.32	71.32	0.42	
11	Kuwait.....	92.48	92.48	0.93	●	83	Mexico.....	71.17	71.17	0.41	
12	Denmark.....	91.94	91.94	0.92		84	Fiji.....	70.73	70.73	0.41	
13	Mauritius.....	91.92	91.92	0.91	●	85	Ukraine.....	70.33	70.33	0.40	
14	Norway.....	90.80	90.80	0.91		86	Lesotho.....	69.72	69.72	0.39	
15	United Kingdom.....	90.52	90.52	0.90		87	Paraguay.....	69.45	69.45	0.39	
16	Kazakhstan.....	90.04	90.04	0.89	●	88	Ethiopia.....	69.11	69.11	0.38	
17	Switzerland.....	89.05	89.05	0.89		89	Trinidad and Tobago.....	68.98	68.98	0.37	
18	South Africa.....	88.73	88.73	0.88	●	90	Guyana.....	68.69	68.69	0.36	
19	Luxembourg.....	88.58	88.58	0.87		91	Myanmar.....	68.64	68.64	0.36	●
20	Finland.....	88.36	88.36	0.86		92	Uzbekistan.....	68.30	68.30	0.35	
21	New Zealand.....	88.04	88.04	0.86		93	Czech Republic.....	67.66	67.66	0.34	○
22	Netherlands.....	86.76	86.76	0.85		94	China.....	67.44	67.44	0.34	
23	Latvia.....	86.19	86.19	0.84		95	Costa Rica.....	67.27	67.27	0.33	
24	Korea, Rep.....	86.09	86.09	0.84		96	Japan.....	67.19	67.19	0.32	○
25	Malta.....	85.81	85.81	0.83		97	Mozambique.....	66.85	66.85	0.31	
26	Rwanda.....	85.79	85.79	0.82	●	98	Burundi.....	66.78	66.78	0.30	
27	Estonia.....	84.93	84.93	0.81		98	Iran, Islamic Rep.....	66.78	66.78	0.30	
28	Chile.....	84.50	84.50	0.81		100	Nepal.....	66.52	66.52	0.29	
29	Malaysia.....	83.95	83.95	0.80		101	Philippines.....	66.46	66.46	0.29	
30	Azerbaijan.....	83.77	83.77	0.79	●	102	Albania.....	64.75	64.75	0.28	
31	Sweden.....	83.30	83.30	0.79		103	Yemen.....	63.62	63.62	0.27	●
32	Croatia.....	82.92	82.92	0.78	●	104	Kyrgyzstan.....	63.15	63.15	0.26	
33	Georgia.....	82.76	82.76	0.77		105	Ecuador.....	62.84	62.84	0.26	
34	Australia.....	82.48	82.48	0.76		106	Sudan.....	62.34	62.34	0.25	●
35	Lebanon.....	82.44	82.44	0.76		107	Uruguay.....	62.32	62.32	0.24	
36	Armenia.....	82.10	82.10	0.75		108	Italy.....	62.13	62.13	0.24	○
37	Slovenia.....	81.94	81.94	0.74		109	Zimbabwe.....	61.39	61.39	0.23	
38	Seychelles.....	81.50	81.50	0.74	●	110	Angola.....	60.40	60.40	0.22	
39	Lithuania.....	81.24	81.24	0.73		111	Mali.....	60.16	60.16	0.21	
40	Jordan.....	81.19	81.19	0.72	●	112	Colombia.....	59.71	59.71	0.21	○
41	Iceland.....	80.86	80.86	0.71		113	Jamaica.....	59.01	59.01	0.20	○
42	United States of America.....	80.84	80.84	0.71		114	Tanzania, United Rep.....	58.95	58.95	0.19	
43	Russian Federation.....	80.63	80.63	0.70		115	Egypt.....	58.84	58.84	0.19	
44	Cyprus.....	80.53	80.53	0.69		116	Bosnia and Herzegovina.....	58.22	58.22	0.18	○
45	Romania.....	80.09	80.09	0.69		117	Burkina Faso.....	58.08	58.08	0.17	
46	Guatemala.....	80.04	80.04	0.68	●	118	Honduras.....	57.92	57.92	0.16	
47	Turkey.....	79.80	79.80	0.67		119	Niger.....	57.07	57.07	0.16	
48	Peru.....	79.43	79.43	0.66		120	India.....	55.53	55.53	0.15	
49	Greece.....	78.30	78.30	0.66		121	Sri Lanka.....	55.00	55.00	0.14	○
50	Belarus.....	78.29	78.29	0.65		122	Indonesia.....	53.66	53.66	0.14	
51	Thailand.....	77.99	77.99	0.64		123	El Salvador.....	52.31	52.31	0.13	
52	Portugal.....	77.84	77.84	0.64		124	Togo.....	50.81	50.81	0.12	
53	Madagascar.....	77.78	77.78	0.63	●	125	Nicaragua.....	49.51	49.51	0.11	
54	Morocco.....	77.69	77.69	0.62		126	Serbia.....	48.90	48.90	0.11	○
55	Botswana.....	77.47	77.47	0.61		127	Panama.....	48.60	48.60	0.10	○
56	Germany.....	77.02	77.02	0.61		128	Tajikistan.....	46.06	46.06	0.09	
57	Moldova, Rep.....	76.57	76.57	0.60		129	Argentina.....	44.99	44.99	0.09	○
58	Austria.....	76.36	76.36	0.59	○	130	Pakistan.....	44.46	44.46	0.08	○
59	Swaziland.....	75.76	75.76	0.59	●	131	Viet Nam.....	43.61	43.61	0.07	○
60	Spain.....	75.25	75.25	0.58		132	Côte d'Ivoire.....	42.73	42.73	0.06	○
61	Zambia.....	74.52	74.52	0.57	●	133	Algeria.....	41.63	41.63	0.06	
62	Dominican Republic.....	74.24	74.24	0.56		134	Brazil.....	41.31	41.31	0.05	○
63	Belgium.....	74.18	74.18	0.56		135	Nigeria.....	39.15	39.15	0.04	
64	Tunisia.....	74.11	74.11	0.55		136	Gambia.....	38.36	38.36	0.04	○
65	Bangladesh.....	73.98	73.98	0.54	●	137	Cameroon.....	36.34	36.34	0.03	○
66	Mongolia.....	73.79	73.79	0.54		138	Senegal.....	30.94	30.94	0.02	○
67	Namibia.....	73.57	73.57	0.53		139	Guinea.....	28.27	28.27	0.01	○
68	Bhutan.....	73.55	73.55	0.52	●	140	Venezuela, Bolivarian Rep.....	13.37	13.37	0.01	○
69	Poland.....	73.51	73.51	0.51		141	Bolivia, Plurinational St.....	12.18	12.18	0.00	○
70	Hungary.....	73.27	73.27	0.51							
71	Bulgaria.....	73.18	73.18	0.50							
72	Cambodia.....	73.06	73.06	0.49	●						

SOURCE: World Bank. *Doing Business 2015: Going Beyond Efficiency*

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	Lesotho (2008)	12.98	100.00	1.00	●	73	Niger (2012)	4.44	33.86	0.44	
2	Botswana (2009)	9.49	72.95	0.99	●	74	Uruguay	4.42	33.76	0.43	
3	Denmark	8.75	67.21	0.98	●	75	Nicaragua (2010)	4.39	33.54	0.43	
4	Namibia (2010)	8.50	65.28	0.98	●	76	Ecuador (2012)	4.36	33.26	0.42	
5	Moldova, Rep. (2012)	8.35	64.14	0.97	●	77	Algeria (2008)	4.34	33.10	0.41	
6	Ghana	8.14	62.53	0.96	●	78	Italy	4.29	32.77	0.40	○
7	Malta	7.96	61.16	0.95	●	79	Croatia	4.21	32.09	0.40	○
8	Swaziland	7.83	60.12	0.95	●	80	Oman (2009)	4.20	32.04	0.39	
9	Thailand (2012)	7.57	58.11	0.94	●	81	Fiji	4.20	32.01	0.38	
10	Iceland	7.36	56.49	0.93		82	Russian Federation (2008)	4.10	31.28	0.37	
11	New Zealand (2012)	7.35	56.45	0.92		83	Greece (2005)	4.09	31.19	0.36	
12	Cyprus	7.24	55.58	0.91	●	84	Gambia (2012)	4.08	31.13	0.36	
13	Venezuela, Bolivarian Rep. (2009)	6.87	52.73	0.91	●	85	Slovakia	4.06	30.93	0.35	
14	Costa Rica (2013)	6.87	52.67	0.90	●	86	Tajikistan (2012)	4.02	30.63	0.34	
15	Sweden	6.82	52.31	0.89		87	Togo (2012)	4.01	30.59	0.33	
16	Kyrgyzstan	6.79	52.08	0.88	●	88	Japan (2012)	3.85	29.32	0.33	○
17	Finland	6.76	51.86	0.88		89	Bulgaria	3.82	29.10	0.32	○
18	Ukraine (2012)	6.66	51.08	0.87	●	90	India (2012)	3.79	28.88	0.31	
19	Kenya (2010)	6.64	50.91	0.86	●	91	Dominican Republic (2013)	3.78	28.76	0.30	
20	Morocco (2013)	6.59	50.54	0.85	●	92	Egypt (2008)	3.76	28.64	0.29	
21	Norway	6.55	50.24	0.84		93	Hong Kong (China) (2013)	3.76	28.63	0.29	○
22	Belgium	6.55	50.21	0.84		94	Kuwait (2006)	3.76	28.63	0.28	
23	Bolivia, Plurinational St. (2012)	6.44	49.35	0.83	●	95	Iran, Islamic Rep. (2013)	3.68	28.01	0.27	
24	Viet Nam (2012)	6.30	48.31	0.82	●	96	Mauritius (2013)	3.67	27.96	0.26	
25	Jamaica (2013)	6.26	47.95	0.81	●	97	Seychelles	3.63	27.61	0.26	
26	South Africa (2013)	6.23	47.77	0.81	●	98	Indonesia (2012)	3.57	27.14	0.25	
27	Tunisia (2012)	6.22	47.70	0.80	●	99	Angola (2010)	3.48	26.44	0.24	●
28	Tanzania, United Rep. (2010)	6.18	47.37	0.79	●	100	Burkina Faso	3.43	26.05	0.23	
29	Ireland	6.15	47.16	0.78		101	El Salvador	3.42	25.98	0.22	
30	United Kingdom	6.03	46.22	0.78		102	Panama	3.29	25.02	0.22	
31	Malaysia	5.94	45.51	0.77		103	Uganda (2012)	3.28	24.91	0.21	
32	Netherlands	5.93	45.43	0.76		104	Peru (2013)	3.28	24.90	0.20	
33	Brazil (2010)	5.82	44.59	0.75		105	Albania (2007)	3.27	24.83	0.19	
34	Burundi (2012)	5.82	44.58	0.74	●	106	Guyana (2012)	3.19	24.25	0.19	
35	Austria	5.80	44.39	0.74		107	Romania	3.07	23.32	0.18	○
36	Slovenia	5.68	43.49	0.73		108	Kazakhstan (2009)	3.06	23.22	0.17	
37	France	5.68	43.45	0.72		109	Cameroon (2012)	2.97	22.48	0.16	
38	Israel	5.64	43.16	0.71		110	Singapore (2013)	2.94	22.25	0.16	○
39	Barbados (2012)	5.61	42.95	0.71		111	Turkey (2006)	2.86	21.68	0.15	○
40	Senegal (2010)	5.60	42.87	0.70	●	112	Guatemala (2013)	2.85	21.55	0.14	
41	Bhutan (2013)	5.48	41.92	0.69	●	113	Madagascar (2012)	2.74	20.76	0.13	
42	Mongolia	5.48	41.91	0.68		114	Bahrain (2012)	2.68	20.26	0.12	○
43	Malawi	5.35	40.96	0.67	●	115	Philippines (2009)	2.65	20.06	0.12	○
44	Switzerland	5.28	40.37	0.67		116	Cambodia (2010)	2.60	19.68	0.11	○
45	Canada	5.27	40.34	0.66		117	Lebanon (2013)	2.57	19.44	0.10	○
46	Portugal	5.27	40.33	0.65		118	Pakistan (2013)	2.49	18.79	0.09	
47	United States of America	5.23	39.98	0.64		119	Guinea (2012)	2.47	18.66	0.09	
48	Lithuania	5.17	39.56	0.64		120	Qatar (2008)	2.45	18.48	0.08	○
49	Estonia	5.16	39.44	0.63		121	Azerbaijan	2.44	18.38	0.07	○
50	Mexico	5.15	39.36	0.62		122	Armenia (2013)	2.25	16.95	0.06	○
51	Saudi Arabia (2008)	5.14	39.29	0.61		123	Bangladesh (2009)	2.23	16.82	0.05	
52	Argentina (2012)	5.14	39.29	0.60		124	Sudan (2009)	2.23	16.80	0.05	
53	Belarus (2012)	5.12	39.16	0.60		125	Georgia (2012)	1.98	14.88	0.04	○
54	Australia	5.11	39.08	0.59		126	Zimbabwe (2010)	1.97	14.75	0.03	○
55	Rwanda (2013)	5.09	38.91	0.58		127	Sri Lanka (2012)	1.72	12.87	0.02	○
56	Cabo Verde	5.04	38.56	0.57	●	128	Zambia (2008)	1.35	9.94	0.02	○
57	Mozambique (2006)	5.01	38.28	0.57	●	129	Myanmar	0.79	5.61	0.01	○
58	Germany	4.98	38.07	0.56		130	Serbia (2012)	0.06	0.00	0.00	○
59	Spain	4.98	38.06	0.55		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
60	Paraguay	4.97	37.97	0.54	●	n/a	China	n/a	n/a	n/a	
61	Poland	4.94	37.78	0.53		n/a	Honduras	n/a	n/a	n/a	
62	Latvia	4.93	37.72	0.53		n/a	Jordan	n/a	n/a	n/a	
63	Colombia (2013)	4.93	37.68	0.52		n/a	Luxembourg	n/a	n/a	n/a	
64	Korea, Rep.	4.86	37.18	0.51		n/a	Montenegro	n/a	n/a	n/a	
65	Mali	4.81	36.75	0.50		n/a	Nigeria	n/a	n/a	n/a	
66	Ethiopia (2010)	4.74	36.20	0.50	●	n/a	TFYR of Macedonia	n/a	n/a	n/a	
67	Nepal (2010)	4.72	36.04	0.49	●	n/a	Trinidad and Tobago	n/a	n/a	n/a	
68	Hungary	4.71	36.00	0.48		n/a	United Arab Emirates	n/a	n/a	n/a	
69	Côte d'Ivoire (2008)	4.60	35.15	0.47	●	n/a	Uzbekistan	n/a	n/a	n/a	
70	Yemen (2008)	4.56	34.83	0.47	●						
71	Chile (2012)	4.55	34.77	0.46							
72	Czech Republic	4.51	34.41	0.45							

SOURCE: UNESCO Institute for Statistics, *UIS online database*

NOTE: ● indicates a strength; ○ a weakness

2.1.2 Government expenditure on education per pupil, secondary

Government expenditure on education per pupil, secondary (% of GDP per capita) | 2011

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	●	73	Colombia (2013)	17.04	14.75	0.35	
2	Malta	66.43	75.83	0.99	●	74	Singapore (2010)	16.68	14.32	0.34	○
3	Lesotho (2008)	51.21	57.01	0.98	●	75	Burkina Faso (2012)	16.63	14.26	0.33	
4	Niger (2012)	46.66	51.39	0.97	●	76	Venezuela, Bolivarian Rep. (2009)	16.61	14.22	0.32	
5	Rwanda (2013)	41.79	45.36	0.96	●	77	Tanzania, United Rep. (2010)	16.25	13.78	0.32	
6	Cyprus	41.74	45.30	0.95	●	78	Mexico	15.91	13.36	0.31	
7	Swaziland	38.69	41.53	0.95	●	79	Oman	15.89	13.34	0.30	
8	Belgium	38.58	41.39	0.94	●	80	Iran, Islamic Rep. (2012)	15.86	13.30	0.29	
9	Moldova, Rep. (2012)	37.77	40.40	0.93	●	81	Namibia (2008)	15.76	13.18	0.28	
10	Thailand (2012)	37.41	39.95	0.92	●	82	India	15.53	12.89	0.27	
11	Morocco (2012)	36.49	38.81	0.91	●	83	Georgia (2008)	15.49	12.85	0.26	
12	Finland	36.20	38.45	0.90		84	Israel	15.48	12.82	0.25	○
13	Bhutan (2013)	33.55	35.17	0.89	●	85	Togo	15.42	12.76	0.24	
14	Portugal	33.52	35.14	0.88	●	86	Jordan	15.06	12.31	0.23	○
15	Malawi	33.18	34.72	0.87	●	87	Cabo Verde	14.78	11.97	0.23	
16	Burundi (2012)	33.05	34.55	0.86	●	88	Bangladesh	13.93	10.92	0.22	
17	Botswana (2009)	33.00	34.50	0.86	●	89	Serbia (2012)	13.93	10.91	0.21	○
18	Sweden	32.66	34.07	0.85		90	Gambia (2010)	13.14	9.94	0.20	
19	United Kingdom	31.48	32.62	0.84		91	Nepal (2009)	12.17	8.73	0.19	
20	Slovenia	31.43	32.56	0.83		92	Yemen	12.13	8.69	0.18	
21	Mali	31.18	32.24	0.82	●	93	Romania	11.90	8.40	0.17	○
22	Austria	30.55	31.46	0.81		94	El Salvador (2010)	11.31	7.67	0.16	
23	Ukraine (2012)	30.14	30.96	0.80		95	Indonesia (2012)	10.69	6.91	0.15	
24	Denmark	30.13	30.94	0.79		96	Uruguay (2006)	10.69	6.90	0.14	○
25	Jamaica (2013)	29.41	30.05	0.78	●	97	Ethiopia (2010)	10.40	6.55	0.14	
26	Senegal (2010)	28.95	29.49	0.77	●	98	Peru (2013)	10.38	6.53	0.13	○
27	Ireland	28.94	29.48	0.77		99	Pakistan (2013)	10.38	6.52	0.12	
28	France	27.95	28.25	0.76		100	Qatar (2009)	10.27	6.39	0.11	○
29	Switzerland	27.49	27.68	0.75		101	Guinea (2012)	9.89	5.92	0.10	
30	Estonia	27.49	27.68	0.74		102	Guyana (2012)	9.83	5.84	0.09	○
31	Spain	26.49	26.44	0.73		103	Panama	9.66	5.64	0.08	○
32	Norway	26.17	26.05	0.72		104	Philippines (2008)	9.14	4.99	0.07	○
33	Netherlands	25.89	25.70	0.71		105	Dominican Republic (2012)	8.46	4.15	0.06	○
34	Latvia	25.82	25.62	0.70		106	Madagascar (2012)	8.42	4.10	0.05	
35	Japan (2012)	25.75	25.53	0.69		107	Nicaragua (2010)	7.28	2.69	0.05	○
36	Ghana	25.73	25.50	0.68	●	108	Sri Lanka (2012)	6.87	2.18	0.04	○
37	New Zealand (2012)	25.17	24.81	0.68		109	Seychelles	6.79	2.08	0.03	○
38	Czech Republic	25.15	24.79	0.67		110	Fiji	5.75	0.80	0.02	○
39	Barbados (2010)	24.97	24.56	0.66		111	Guatemala (2012)	5.12	0.01	0.01	○
40	Costa Rica (2013)	24.82	24.38	0.65		112	Lebanon (2013)	5.10	0.00	0.00	○
41	Tunisia (2008)	24.36	23.80	0.64		n/a	Albania	n/a	n/a	n/a	
42	Poland	24.20	23.61	0.63		n/a	Algeria	n/a	n/a	n/a	
43	Germany	24.11	23.50	0.62		n/a	Angola	n/a	n/a	n/a	
44	United States of America	23.95	23.30	0.61		n/a	Azerbaijan	n/a	n/a	n/a	
45	Uganda (2012)	23.42	22.65	0.60	●	n/a	Bahrain	n/a	n/a	n/a	
46	Italy	23.39	22.61	0.59		n/a	Belarus	n/a	n/a	n/a	
47	Korea, Rep.	23.04	22.18	0.59		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
48	Bulgaria	22.22	21.16	0.58		n/a	Cambodia	n/a	n/a	n/a	
49	Brazil (2010)	21.57	20.36	0.57		n/a	China	n/a	n/a	n/a	
50	South Africa (2012)	21.56	20.34	0.56		n/a	Côte d'Ivoire	n/a	n/a	n/a	
51	Greece (2005)	21.53	20.31	0.55		n/a	Croatia	n/a	n/a	n/a	
52	Kenya (2006)	21.17	19.86	0.54		n/a	Egypt	n/a	n/a	n/a	
53	Iceland	21.17	19.86	0.53		n/a	Honduras	n/a	n/a	n/a	
54	Hungary	20.95	19.59	0.52		n/a	Kazakhstan	n/a	n/a	n/a	
55	Kuwait	20.94	19.58	0.51		n/a	Kyrgyzstan	n/a	n/a	n/a	
56	Bolivia, Plurinational St. (2012)	20.33	18.82	0.50	●	n/a	Montenegro	n/a	n/a	n/a	
57	Malaysia	19.87	18.25	0.50		n/a	Myanmar	n/a	n/a	n/a	
58	Cameroon (2012)	19.74	18.09	0.49	●	n/a	Nigeria	n/a	n/a	n/a	
59	Argentina (2012)	19.64	17.97	0.48		n/a	Russian Federation	n/a	n/a	n/a	
60	Lithuania	19.47	17.76	0.47		n/a	Sudan	n/a	n/a	n/a	
61	Mauritius (2012)	19.03	17.22	0.46		n/a	Tajikistan	n/a	n/a	n/a	
62	Ecuador (2013)	18.99	17.17	0.45		n/a	TFYR of Macedonia	n/a	n/a	n/a	
63	Hong Kong (China) (2013)	18.96	17.13	0.44		n/a	Trinidad and Tobago	n/a	n/a	n/a	
64	Slovakia	18.41	16.46	0.43		n/a	Turkey	n/a	n/a	n/a	
65	Canada	18.32	16.34	0.42	○	n/a	United Arab Emirates	n/a	n/a	n/a	
66	Luxembourg	18.32	16.34	0.41		n/a	Uzbekistan	n/a	n/a	n/a	
67	Saudi Arabia (2007)	18.11	16.09	0.41		n/a	Viet Nam	n/a	n/a	n/a	
68	Chile (2012)	18.06	16.03	0.40		n/a	Zambia	n/a	n/a	n/a	
69	Australia	17.94	15.87	0.39	○	n/a	Zimbabwe	n/a	n/a	n/a	
70	Mongolia (2010)	17.82	15.72	0.38							
71	Armenia (2012)	17.74	15.62	0.37							
72	Paraguay	17.59	15.44	0.36							

SOURCE: UNESCO Institute for Statistics, *UIS online database*

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	Australia	20.22	100.00	1.00	●	73	Seychelles	13.37	53.73	0.45	
2	New Zealand	19.16	92.81	0.99	●	74	TFYR of Macedonia	13.35	53.60	0.44	
3	Iceland	18.98	91.59	0.98	●	75	Panama	13.28	53.09	0.44	
4	Denmark	18.69	89.65	0.98	●	76	Bolivia, Plurinational St. (2007)	13.15	52.24	0.43	
5	Ireland	18.57	88.84	0.97	●	77	Dominican Republic	13.08	51.77	0.42	
6	Argentina	17.95	84.64	0.96	●	78	China	13.07	51.70	0.41	
7	Netherlands	17.92	84.47	0.95		79	Peru (2010)	13.07	51.65	0.40	
8	Greece	17.63	82.48	0.95	●	80	Mexico	13.06	51.61	0.40	
9	Norway	17.49	81.56	0.94		81	Indonesia	12.99	51.12	0.39	
10	Spain	17.35	80.57	0.93	●	82	Malaysia (2005)	12.73	49.39	0.38	
11	Finland	17.07	78.70	0.92		83	Bhutan (2013)	12.62	48.64	0.37	
12	Korea, Rep.	16.87	77.39	0.92		84	Kyrgyzstan (2011)	12.51	47.91	0.37	
13	Slovenia	16.81	76.92	0.91		85	Botswana (2008)	12.49	47.78	0.36	
14	Estonia	16.48	74.75	0.90		86	Jamaica (2013)	12.36	46.85	0.35	
15	Germany	16.46	74.56	0.89		87	Nepal (2011)	12.35	46.83	0.34	
16	United States of America	16.44	74.42	0.89		88	Armenia (2009)	12.32	46.59	0.34	
17	Lithuania	16.39	74.10	0.88	●	89	Trinidad and Tobago (2004)	12.27	46.26	0.33	
18	Belgium	16.33	73.72	0.87		90	El Salvador	12.26	46.17	0.32	
19	Czech Republic	16.33	73.69	0.86		91	Togo (2011)	12.23	46.03	0.31	
20	Portugal	16.31	73.60	0.85		92	Azerbaijan	11.94	44.04	0.31	
21	Saudi Arabia (2013)	16.27	73.33	0.85	●	93	Paraguay (2010)	11.91	43.85	0.30	
22	United Kingdom	16.18	72.71	0.84		94	Moldova, Rep. (2013)	11.87	43.56	0.29	
23	Italy	16.04	71.76	0.83		95	India (2011)	11.70	42.40	0.28	
24	France	16.00	71.49	0.82		96	Morocco (2011)	11.56	41.49	0.27	
25	Israel	15.95	71.16	0.82		97	Uzbekistan (2011)	11.51	41.15	0.27	
26	Sweden	15.82	70.23	0.81		98	Ghana	11.50	41.09	0.26	
27	Switzerland	15.79	70.06	0.80		99	Namibia (2006)	11.34	40.01	0.25	
28	Austria	15.75	69.76	0.79		100	Swaziland (2011)	11.33	39.93	0.24	
29	Belarus (2013)	15.66	69.18	0.79	●	101	Angola (2011)	11.32	39.83	0.24	
30	Hong Kong (China) (2013)	15.60	68.75	0.78		102	Philippines (2009)	11.28	39.56	0.23	
31	Mauritius	15.58	68.61	0.77		103	Tajikistan	11.24	39.34	0.22	
32	Uruguay (2010)	15.50	68.11	0.76	●	104	Lesotho	11.14	38.64	0.21	
33	Poland	15.47	67.86	0.76		105	Honduras (2013)	11.10	38.37	0.21	
34	Barbados (2011)	15.42	67.56	0.75		106	Kenya (2009)	10.98	37.58	0.20	
35	Hungary	15.39	67.34	0.74		107	Cambodia (2008)	10.90	37.05	0.19	
36	Japan	15.33	66.92	0.73		108	Zimbabwe	10.85	36.68	0.18	
37	Chile	15.25	66.38	0.73		109	Malawi (2011)	10.75	36.02	0.18	
38	Latvia	15.24	66.36	0.72		110	Guatemala (2007)	10.62	35.14	0.17	
39	Montenegro (2010)	15.18	65.93	0.71		111	Cameroon (2011)	10.40	33.62	0.16	
40	Ukraine (2013)	15.14	65.67	0.70		112	Madagascar	10.35	33.27	0.15	
41	Iran, Islamic Rep.	15.09	65.36	0.69	●	113	Guyana	10.29	32.90	0.15	
42	Slovakia	15.06	65.15	0.69		114	Rwanda (2013)	10.27	32.78	0.14	
43	Kazakhstan	15.02	64.88	0.68		115	Burundi (2010)	10.11	31.64	0.13	
44	Croatia	14.81	63.42	0.67		116	Bangladesh (2011)	9.98	30.76	0.12	
45	Russian Federation	14.69	62.61	0.66		117	Uganda (2011)	9.77	29.37	0.11	
46	Kuwait (2004)	14.64	62.26	0.66		118	Mozambique (2013)	9.28	26.07	0.11	
47	Tunisia (2011)	14.62	62.18	0.65		119	Tanzania, United Rep.	9.17	25.33	0.10	
48	Mongolia (2010)	14.59	61.98	0.64		120	Yemen (2011)	9.15	25.22	0.09	
49	Turkey	14.54	61.64	0.63		121	Nigeria (2005)	8.99	24.10	0.08	
50	Malta	14.41	60.71	0.63		122	Côte d'Ivoire (2013)	8.94	23.75	0.08	○
51	Serbia (2013)	14.39	60.58	0.62		123	Gambia (2010)	8.77	22.62	0.07	○
52	Bulgaria	14.35	60.36	0.61		124	Guinea	8.70	22.15	0.06	
53	Venezuela, Bolivarian Rep. (2009)	14.22	59.43	0.60	●	125	Myanmar (2007)	8.63	21.65	0.05	
54	Romania (2011)	14.21	59.39	0.60		126	Mali (2011)	8.43	20.29	0.05	
55	Brazil (2005)	14.19	59.22	0.59		127	Senegal (2010)	7.95	17.05	0.04	○
56	Ecuador	14.17	59.12	0.58		128	Pakistan (2013)	7.79	15.99	0.03	○
57	Cyprus	13.97	57.73	0.57		129	Burkina Faso (2013)	7.77	15.86	0.02	○
58	Algeria (2011)	13.97	57.73	0.56	●	130	Sudan	7.00	10.63	0.02	○
59	Fiji (2004)	13.88	57.17	0.56		131	Ethiopia (2005)	6.60	7.99	0.01	○
60	Costa Rica (2013)	13.86	57.03	0.55		132	Niger	5.42	0.00	0.00	○
61	Luxembourg	13.85	56.94	0.54		n/a	Albania	n/a	n/a	n/a	
62	Georgia (2013)	13.80	56.59	0.53		n/a	Bahrain	n/a	n/a	n/a	
63	Qatar (2005)	13.79	56.52	0.53		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
64	Lebanon (2013)	13.75	56.30	0.52		n/a	Canada	n/a	n/a	n/a	
65	Sri Lanka	13.71	56.02	0.51		n/a	Nicaragua	n/a	n/a	n/a	
66	Oman (2011)	13.64	55.51	0.50		n/a	Singapore	n/a	n/a	n/a	
67	South Africa	13.56	54.97	0.50		n/a	United Arab Emirates	n/a	n/a	n/a	
68	Colombia (2010)	13.55	54.89	0.49		n/a	Viet Nam	n/a	n/a	n/a	
69	Egypt	13.53	54.77	0.48		n/a	Zambia	n/a	n/a	n/a	
70	Jordan	13.51	54.64	0.47							
71	Thailand	13.47	54.39	0.47							
72	Cabo Verde (2013)	13.47	54.35	0.46							

SOURCE: UNESCO Institute for Statistics, UIS online database

NOTE: ● indicates a strength; ○ a weakness

2.1.4

Assessment in reading, mathematics, and science

PISA average scales in reading, mathematics, and science | 2012

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

NOTE: ● indicates a strength; ○ a weakness

2.1.5 Pupil-teacher ratio, secondary

Pupil-teacher ratio, secondary | 2012

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Georgia (2009)	7.57	100.00	1.00	●	73	Indonesia	16.62	73.47	0.39	
2	Belarus (2013)	7.76	99.44	0.99	●	74	Cabo Verde (2013)	16.66	73.34	0.39	
3	Croatia	7.81	99.30	0.98	●	75	Sri Lanka	17.28	71.52	0.38	
4	Luxembourg	7.88	99.08	0.97	●	76	Ghana (2013)	17.53	70.80	0.37	
5	Greece (2007)	7.88	99.07	0.97	●	77	Mexico	17.74	70.18	0.36	
6	Latvia	7.90	99.03	0.96	●	78	Turkey	17.95	69.58	0.35	
7	Portugal	8.16	98.25	0.95	●	79	Bolivia, Plurinational St. (2007)	18.17	68.93	0.34	
8	Kuwait (2009)	8.17	98.22	0.94	●	80	Morocco (2004)	18.73	67.29	0.34	
9	Lebanon (2013)	8.21	98.12	0.93	●	81	Mali (2013)	19.28	65.68	0.33	
10	Lithuania	8.32	97.81	0.92	●	82	Fiji	19.29	65.63	0.32	
11	Estonia	8.38	97.63	0.92	●	83	Bhutan	19.89	63.88	0.31	
12	Malta	8.52	97.20	0.91		84	Thailand (2011)	19.91	63.83	0.30	
13	Kazakhstan	8.60	96.97	0.90	●	85	Chile	20.04	63.43	0.29	○
14	Poland	8.66	96.79	0.89	●	86	Guyana	20.29	62.70	0.29	
15	Russian Federation	8.76	96.49	0.88	●	87	Pakistan	21.04	60.50	0.28	
16	Paraguay (2011)	8.87	96.18	0.87	●	88	Uganda (2013)	21.32	59.69	0.27	
17	Slovenia (2011)	8.96	95.91	0.87		89	Cameroon	21.43	59.35	0.26	
18	Serbia (2013)	9.00	95.79	0.86	●	90	Zimbabwe	22.43	56.43	0.25	
19	Finland	9.27	95.02	0.85		91	Côte d'Ivoire (2013)	22.68	55.69	0.24	
20	Ukraine (2013)	9.32	94.87	0.84	●	92	Rwanda (2013)	22.79	55.37	0.24	
21	Switzerland	9.33	94.84	0.83		93	Namibia (2007)	24.62	50.00	0.23	
22	Sweden	9.52	94.27	0.82		94	Lesotho	24.69	49.80	0.22	
23	Austria	9.54	94.22	0.82		95	South Africa (2009)	25.05	48.76	0.21	○
24	Moldova, Rep. (2013)	9.59	94.08	0.81	●	96	Colombia (2013)	25.19	48.34	0.20	○
25	Cyprus	9.67	93.85	0.80		97	India (2011)	25.92	46.20	0.19	
26	Qatar (2013)	9.67	93.83	0.79		98	Togo (2011)	26.25	45.25	0.18	
27	Israel (2009)	9.76	93.56	0.78		99	Tanzania, United Rep.	26.39	44.81	0.18	
28	Bahrain	9.82	93.40	0.77		100	Burkina Faso (2013)	26.91	43.30	0.17	
29	Hungary	10.04	92.75	0.76		101	Senegal (2011)	27.35	42.01	0.16	
30	Italy (2007)	10.10	92.57	0.76		102	Angola (2011)	27.42	41.81	0.15	
31	TFYR of Macedonia	10.49	91.43	0.75		103	Madagascar	27.64	41.17	0.14	
32	Argentina (2008)	10.90	90.23	0.74		104	Cambodia (2007)	28.92	37.40	0.13	
33	Bosnia and Herzegovina (2013)	11.13	89.56	0.73	●	105	Dominican Republic	29.18	36.66	0.13	
34	Czech Republic	11.19	89.38	0.72		106	Nepal (2013)	29.18	36.66	0.12	
35	Uruguay (2010)	11.32	89.00	0.71		107	Nicaragua (2010)	30.83	31.81	0.11	
36	Saudi Arabia (2009)	11.32	89.00	0.71		108	Sudan	31.09	31.06	0.10	
37	Slovakia	11.35	88.93	0.70		109	Mozambique (2013)	31.18	30.79	0.09	
38	Spain	11.35	88.91	0.69		110	Burundi (2013)	31.66	29.38	0.08	
39	United Arab Emirates (2013)	11.50	88.46	0.68		111	Bangladesh	32.24	27.68	0.08	
40	Japan	11.68	87.96	0.67		112	Nigeria (2010)	33.08	25.21	0.07	
41	Egypt (2009)	12.13	86.61	0.66	●	113	Guinea (2011)	33.14	25.05	0.06	
42	Seychelles	12.19	86.44	0.66		114	Myanmar (2010)	34.08	22.29	0.05	
43	Bulgaria	12.32	86.06	0.65		115	Niger (2011)	34.68	20.52	0.04	
44	Germany	12.74	84.82	0.64		116	Philippines (2009)	34.81	20.13	0.03	○
45	Romania	12.75	84.80	0.63		117	El Salvador (2013)	37.99	10.81	0.03	○
46	France	12.83	84.56	0.62		118	Ethiopia	38.78	8.52	0.02	○
47	Uzbekistan (2011)	13.28	83.26	0.61	●	119	Kenya	41.13	1.60	0.01	○
48	Tunisia (2011)	13.62	82.24	0.61		120	Malawi (2013)	41.68	0.00	0.00	○
49	Guatemala	13.66	82.14	0.60		n/a	Algeria	n/a	n/a	n/a	
50	Costa Rica (2013)	13.79	81.77	0.59		n/a	Armenia	n/a	n/a	n/a	
51	Netherlands	13.86	81.56	0.58	○	n/a	Australia	n/a	n/a	n/a	
52	Botswana (2007)	13.88	81.50	0.57		n/a	Azerbaijan	n/a	n/a	n/a	
53	Malaysia	13.92	81.37	0.56		n/a	Belgium	n/a	n/a	n/a	
54	Ecuador (2013)	14.06	80.98	0.55		n/a	Canada	n/a	n/a	n/a	
55	Panama	14.18	80.60	0.55		n/a	Denmark	n/a	n/a	n/a	
56	United Kingdom (2008)	14.27	80.35	0.54	○	n/a	Gambia	n/a	n/a	n/a	
57	New Zealand	14.36	80.09	0.53	○	n/a	Honduras	n/a	n/a	n/a	
58	Mongolia (2010)	14.49	79.70	0.52		n/a	Hong Kong (China)	n/a	n/a	n/a	
59	China	14.50	79.67	0.51		n/a	Iceland	n/a	n/a	n/a	
60	Barbados (2006)	14.58	79.43	0.50		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
61	United States of America	14.66	79.20	0.50		n/a	Ireland	n/a	n/a	n/a	
62	Mauritius	14.71	79.07	0.49		n/a	Jordan	n/a	n/a	n/a	
63	Albania (2013)	14.76	78.92	0.48		n/a	Montenegro	n/a	n/a	n/a	
64	Singapore (2009)	14.91	78.48	0.47	○	n/a	Norway	n/a	n/a	n/a	
65	Kyrgyzstan (2010)	15.21	77.60	0.46		n/a	Oman	n/a	n/a	n/a	
66	Tajikistan (2011)	15.44	76.93	0.45		n/a	Trinidad and Tobago	n/a	n/a	n/a	
67	Peru (2013)	15.46	76.85	0.45		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Korea, Rep.	15.94	75.47	0.44		n/a	Viet Nam	n/a	n/a	n/a	
69	Brazil	15.97	75.36	0.43		n/a	Zambia	n/a	n/a	n/a	
70	Yemen (2011)	16.09	75.03	0.42	●						
71	Jamaica (2013)	16.18	74.76	0.41							
72	Swaziland	16.35	74.27	0.40							

SOURCE: UNESCO Institute for Statistics, *UIS online database*

NOTE: ● indicates a strength; ○ a weakness

2.2.1 Tertiary enrolment

School enrolment, tertiary (% gross) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Greece	116.62	100.00	1.00	●	73	Georgia (2013)	33.05	27.84	0.46	
2	Korea, Rep.	98.38	84.25	0.99	●	74	Indonesia	31.51	26.51	0.45	
3	United States of America	94.28	80.71	0.98	●	75	Algeria	31.46	26.47	0.44	●
4	Finland	93.72	80.23	0.98		76	Egypt	30.06	25.25	0.44	
5	Belarus (2013)	92.89	79.51	0.97	●	77	Mexico	28.99	24.33	0.43	
6	Australia	86.33	73.85	0.96	●	78	Jamaica (2013)	28.74	24.11	0.42	
7	Slovenia	86.02	73.58	0.95	●	79	Kuwait (2013)	28.45	23.86	0.41	
8	Spain	84.57	72.32	0.95	●	80	Philippines (2009)	28.20	23.65	0.41	
9	Iceland	81.36	69.55	0.94		81	Oman (2011)	28.14	23.59	0.40	
10	Argentina	80.31	68.64	0.93	●	82	China	26.70	22.35	0.39	
11	New Zealand	79.78	68.18	0.92		83	Brazil (2005)	25.53	21.34	0.38	
12	Denmark	79.60	68.03	0.92		84	El Salvador	25.45	21.28	0.38	
13	Ukraine (2013)	79.00	67.51	0.91	●	85	India	24.80	20.72	0.37	
14	Venezuela, Bolivarian Rep. (2009)	77.91	66.57	0.90	●	86	Viet Nam (2013)	24.58	20.52	0.36	
15	Netherlands	77.34	66.08	0.89		87	Cabo Verde (2013)	22.85	19.02	0.35	
16	Estonia	76.68	65.51	0.89		88	Tajikistan	22.47	18.70	0.35	
17	Russian Federation	76.14	65.05	0.88	●	89	Honduras (2013)	21.14	17.55	0.34	
18	Chile	74.39	63.53	0.87	●	90	Azerbaijan	20.44	16.94	0.33	
19	Norway	74.10	63.28	0.86		91	Luxembourg	19.74	16.35	0.32	
20	Lithuania	73.95	63.15	0.86	●	92	South Africa	19.70	16.31	0.32	
21	Poland	73.19	62.50	0.85	●	93	Guatemala (2013)	18.74	15.48	0.31	
22	Austria	72.44	61.85	0.84		94	Botswana (2011)	17.91	14.76	0.30	
23	Ireland	71.24	60.81	0.83		95	Sudan (2013)	17.15	14.11	0.29	●
24	Belgium	70.83	60.46	0.83		96	Sri Lanka	16.97	13.95	0.29	
25	Sweden	70.03	59.76	0.82		97	Morocco (2011)	16.16	13.25	0.28	
26	Turkey	69.39	59.21	0.81	●	98	Fiji (2005)	16.15	13.24	0.27	
27	Portugal	68.86	58.76	0.80		99	Cambodia (2011)	15.83	12.97	0.26	
28	Israel	67.89	57.92	0.80		100	Nepal (2011)	14.49	11.81	0.26	
29	Hong Kong (China) (2013)	66.84	57.01	0.79		101	Qatar (2013)	14.26	11.61	0.25	
30	Latvia	65.13	55.54	0.78		102	Myanmar	13.38	10.85	0.24	●
31	Czech Republic	64.17	54.71	0.77		103	Bangladesh	13.23	10.72	0.23	
32	Uruguay (2010)	63.15	53.83	0.77	●	104	Guyana	12.91	10.45	0.23	
33	Bulgaria	62.70	53.44	0.76		105	Ghana	12.20	9.83	0.22	
34	Italy	62.47	53.24	0.75		106	Trinidad and Tobago (2004)	11.95	9.62	0.21	
35	Mongolia (2013)	62.27	53.07	0.74		107	Cameroon (2011)	11.91	9.58	0.20	
36	United Kingdom	61.88	52.73	0.74		108	Lesotho	10.83	8.64	0.20	
37	Germany	61.65	52.53	0.73		109	Nigeria (2005)	10.41	8.28	0.19	
38	Croatia	61.63	52.52	0.72		110	Yemen (2011)	10.29	8.18	0.18	
39	Japan	61.46	52.37	0.71		111	Togo (2013)	10.04	7.97	0.17	
40	Barbados (2011)	60.84	51.83	0.71		112	Guinea	9.93	7.87	0.17	
41	Hungary	59.63	50.79	0.70		113	Pakistan (2013)	9.82	7.78	0.16	
42	France	58.30	49.64	0.69		114	Bhutan	9.43	7.44	0.15	
43	Saudi Arabia (2013)	57.52	48.96	0.68		115	Namibia (2008)	9.33	7.35	0.14	
44	Serbia (2013)	56.38	47.98	0.68		116	Côte d'Ivoire (2013)	9.10	7.16	0.14	
45	Switzerland	55.56	47.27	0.67		117	Uzbekistan (2011)	8.87	6.96	0.13	
46	Montenegro (2010)	55.53	47.25	0.66		118	Senegal (2010)	7.63	5.89	0.12	
47	Albania	55.50	47.22	0.65		119	Angola (2011)	7.50	5.77	0.11	
48	Iran, Islamic Rep.	55.16	46.93	0.65	●	120	Mali	7.47	5.75	0.11	
49	Slovakia	55.11	46.88	0.64		121	Rwanda	6.90	5.26	0.10	○
50	Romania (2011)	51.60	43.85	0.63		122	Zimbabwe (2013)	5.83	4.33	0.09	
51	Thailand (2013)	51.23	43.54	0.62		123	Swaziland (2013)	5.33	3.90	0.08	○
52	Colombia (2013)	48.33	41.03	0.62		124	Mozambique (2013)	5.19	3.78	0.08	○
53	Lebanon (2013)	47.93	40.68	0.61		125	Burkina Faso (2013)	4.78	3.42	0.07	○
54	Kyrgyzstan (2013)	47.64	40.43	0.60		126	Uganda (2011)	4.38	3.08	0.06	○
55	Costa Rica (2013)	47.60	40.40	0.59		127	Madagascar	4.09	2.83	0.05	
56	Jordan	46.61	39.54	0.59		128	Kenya (2009)	4.05	2.79	0.05	○
57	Dominican Republic	46.38	39.34	0.58	●	129	Tanzania, United Rep.	3.92	2.68	0.04	○
58	Armenia (2013)	46.11	39.11	0.57		130	Burundi (2010)	3.17	2.03	0.03	
59	Cyprus	45.86	38.90	0.56		131	Ethiopia (2005)	2.79	1.70	0.02	○
60	Kazakhstan	44.53	37.75	0.56		132	Niger	1.75	0.81	0.02	○
61	Panama	43.46	36.82	0.55		133	Seychelles	1.33	0.45	0.01	○
62	Moldova, Rep. (2013)	41.28	34.94	0.54		134	Malawi (2011)	0.81	0.00	0.00	○
63	Malta	41.21	34.88	0.53		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
64	Mauritius (2013)	41.21	34.88	0.53		n/a	Canada	n/a	n/a	n/a	
65	Peru (2010)	40.65	34.40	0.52		n/a	Gambia	n/a	n/a	n/a	
66	Ecuador	40.51	34.28	0.51		n/a	Nicaragua	n/a	n/a	n/a	
67	TFYR of Macedonia	38.46	32.51	0.50		n/a	Singapore	n/a	n/a	n/a	
68	Bolivia, Plurinational St. (2007)	37.69	31.84	0.50		n/a	United Arab Emirates	n/a	n/a	n/a	
69	Malaysia	37.20	31.42	0.49		n/a	Zambia	n/a	n/a	n/a	
70	Tunisia	35.20	29.69	0.48							
71	Paraguay (2010)	34.51	29.10	0.47							
72	Bahrain	33.46	28.19	0.47							

SOURCE: UNESCO Institute for Statistics, *UIS online database*

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	Iran, Islamic Rep.	47.22	100.00	1.00	●	73	Azerbaijan	16.21	30.43	0.28	
2	Myanmar	47.14	99.82	0.99	●	74	Jordan (2011)	16.12	30.24	0.27	
3	Tunisia	42.38	89.14	0.98	●	75	United States of America	16.05	30.06	0.26	○
4	Oman (2010)	38.94	81.42	0.97	●	76	Sudan	16.02	30.01	0.25	●
5	Morocco (2010)	34.91	72.37	0.96	●	77	Australia (2011)	15.93	29.80	0.24	○
6	Hong Kong (China) (2006)	34.67	71.84	0.95		78	Armenia (2010)	15.92	29.77	0.23	
7	Qatar	33.57	69.38	0.94	●	79	Kyrgyzstan	15.64	29.15	0.22	
8	Korea, Rep.	31.06	63.75	0.93		80	Bangladesh	15.62	29.11	0.21	
9	Malaysia	30.90	63.40	0.92	●	81	Uruguay (2010)	15.60	29.07	0.20	○
10	Trinidad and Tobago (2004)	30.38	62.23	0.91	●	82	Ethiopia (2010)	15.23	28.24	0.19	
11	Saudi Arabia	28.95	59.02	0.90	●	83	Barbados (2011)	14.99	27.69	0.18	○
12	Greece	28.66	58.37	0.89	●	84	Luxembourg	14.74	27.14	0.17	○
13	Russian Federation (2009)	28.11	57.13	0.88	●	85	Netherlands	14.42	26.41	0.16	○
14	Finland	27.56	55.89	0.87		86	Ghana	14.18	25.87	0.15	
15	Germany	27.21	55.11	0.86		87	Honduras	14.13	25.77	0.14	○
16	Sweden	27.19	55.06	0.85		88	Albania (2011)	13.79	25.00	0.13	
17	Belarus	27.17	55.03	0.84	●	89	Argentina (2011)	13.48	24.31	0.12	
18	Mexico	26.88	54.38	0.83	●	90	Guyana	13.44	24.22	0.11	○
19	United Arab Emirates	26.02	52.43	0.82		91	Ecuador (2008)	12.81	22.80	0.10	○
20	Ukraine	25.57	51.42	0.81		92	Lesotho	12.55	22.23	0.09	
21	Tajikistan	25.50	51.28	0.80	●	93	Cambodia (2008)	12.49	22.09	0.08	○
22	Austria	25.45	51.16	0.79		94	Brazil	11.96	20.90	0.07	○
23	France	25.36	50.95	0.78		95	Costa Rica (2011)	11.90	20.76	0.06	○
24	Portugal	25.01	50.18	0.77		96	Nepal (2011)	11.78	20.49	0.05	○
25	Seychelles (2011)	25.00	50.15	0.76	●	97	Burundi (2010)	9.58	15.57	0.04	
26	Algeria (2011)	24.95	50.04	0.75	●	98	Uganda (2004)	9.53	15.45	0.03	○
27	Serbia	24.80	49.69	0.74		99	Mozambique (2011)	8.90	14.03	0.02	○
28	Slovenia	24.74	49.56	0.73		100	Niger (2008)	4.28	3.66	0.01	○
29	Viet Nam	24.05	48.02	0.72		101	Namibia (2008)	2.64	0.00	0.00	○
30	Croatia	23.85	47.57	0.71		n/a	Angola	n/a	n/a	n/a	
31	Ireland	23.76	47.38	0.70		n/a	Bhutan	n/a	n/a	n/a	
32	Lebanon (2011)	23.35	46.45	0.69		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
33	Zimbabwe	23.28	46.29	0.68	●	n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
34	Rwanda	22.45	44.43	0.67	●	n/a	Botswana	n/a	n/a	n/a	
35	Spain	22.21	43.90	0.66		n/a	Cabo Verde	n/a	n/a	n/a	
36	Lithuania	22.12	43.69	0.65		n/a	Canada	n/a	n/a	n/a	
37	Estonia	22.12	43.69	0.64		n/a	China	n/a	n/a	n/a	
38	Panama (2011)	22.03	43.50	0.63		n/a	Côte d'Ivoire	n/a	n/a	n/a	
39	United Kingdom	21.85	43.09	0.62	○	n/a	Dominican Republic	n/a	n/a	n/a	
40	Indonesia (2009)	21.68	42.71	0.61		n/a	Egypt	n/a	n/a	n/a	
41	Czech Republic	21.61	42.55	0.60		n/a	Fiji	n/a	n/a	n/a	
42	El Salvador	21.54	42.38	0.59		n/a	Gambia	n/a	n/a	n/a	
43	Bulgaria	21.48	42.25	0.58		n/a	Guinea	n/a	n/a	n/a	
44	Cyprus	21.46	42.22	0.57		n/a	India	n/a	n/a	n/a	
45	Colombia	21.45	42.19	0.56		n/a	Israel	n/a	n/a	n/a	
46	Denmark	21.24	41.72	0.55	○	n/a	Jamaica	n/a	n/a	n/a	
47	Uzbekistan (2011)	21.14	41.48	0.54	●	n/a	Kazakhstan	n/a	n/a	n/a	
48	Cameroon (2010)	21.02	41.22	0.53	●	n/a	Kenya	n/a	n/a	n/a	
49	Turkey	20.89	40.92	0.52		n/a	Kuwait	n/a	n/a	n/a	
50	Switzerland (2011)	20.85	40.84	0.51	○	n/a	Malawi	n/a	n/a	n/a	
51	Georgia	20.74	40.60	0.50		n/a	Mali	n/a	n/a	n/a	
52	Slovakia	20.61	40.30	0.49		n/a	Mauritius	n/a	n/a	n/a	
53	Madagascar	20.47	39.99	0.48		n/a	Moldova, Rep.	n/a	n/a	n/a	
54	Japan	20.26	39.51	0.47		n/a	Montenegro	n/a	n/a	n/a	
55	Romania (2011)	20.18	39.34	0.46		n/a	Nicaragua	n/a	n/a	n/a	
56	Italy	20.18	39.33	0.45		n/a	Nigeria	n/a	n/a	n/a	
57	Burkina Faso	19.94	38.81	0.44		n/a	Pakistan	n/a	n/a	n/a	
58	Chile	19.18	37.09	0.43		n/a	Paraguay	n/a	n/a	n/a	
59	Malta	19.12	36.95	0.42		n/a	Peru	n/a	n/a	n/a	
60	TFYR of Macedonia	19.07	36.86	0.41		n/a	Philippines	n/a	n/a	n/a	
61	New Zealand	18.79	36.22	0.40	○	n/a	Senegal	n/a	n/a	n/a	
62	Latvia	18.76	36.15	0.39	○	n/a	Singapore	n/a	n/a	n/a	
63	Iceland	17.96	34.35	0.38	○	n/a	South Africa	n/a	n/a	n/a	
64	Bahrain (2006)	17.91	34.25	0.37		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
65	Mongolia (2011)	17.59	33.52	0.36		n/a	Thailand	n/a	n/a	n/a	
66	Norway	16.96	32.13	0.35	○	n/a	Togo	n/a	n/a	n/a	
67	Hungary	16.84	31.84	0.34		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Poland	16.81	31.78	0.33		n/a	Yemen	n/a	n/a	n/a	
69	Guatemala (2007)	16.76	31.67	0.32		n/a	Zambia	n/a	n/a	n/a	
70	Swaziland (2013)	16.75	31.65	0.31							
71	Sri Lanka	16.70	31.54	0.30							
72	Belgium	16.44	30.96	0.29	○						

SOURCE: UNESCO Institute for Statistics, *UIS online database*

NOTE: ● indicates a strength; ○ a weakness

2.2.3 Tertiary inbound mobility

Tertiary inbound mobility ratio (%) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Cyprus	23.46	100.00	0.97	●	73	Tajikistan	1.60	6.76	0.37	
1	Fiji (2004)	32.94	100.00	0.97	●	74	Costa Rica (2004)	1.43	6.05	0.37	
1	Luxembourg	40.56	100.00	0.97	●	75	Togo (2007)	1.41	5.96	0.36	
1	Qatar (2013)	40.71	100.00	0.97	●	76	Cameroon (2011)	1.39	5.84	0.35	
1	United Arab Emirates (2013)	44.63	100.00	0.97	●	77	Kazakhstan	1.38	5.81	0.34	
6	Singapore (2013)	19.17	81.68	0.96		78	Albania	1.30	5.48	0.33	
7	Australia	18.30	77.97	0.95		79	Israel	1.19	5.00	0.32	○
8	United Kingdom	17.14	73.02	0.94		80	Poland	1.17	4.93	0.31	○
9	Switzerland	16.50	70.29	0.93		81	Malawi (2010)	1.14	4.78	0.30	
10	New Zealand	15.79	67.29	0.92		82	Cabo Verde (2013)	0.96	4.05	0.30	
11	Austria	15.42	65.70	0.91	●	83	Guinea	0.92	3.85	0.29	●
12	Barbados (2011)	13.80	58.79	0.90	●	84	Honduras (2013)	0.89	3.73	0.28	
13	Lebanon	12.82	54.60	0.90	●	85	Turkey	0.89	3.71	0.27	
14	France	11.82	50.34	0.89		86	Thailand	0.84	3.50	0.26	
15	Uganda (2011)	10.73	45.71	0.88	●	87	Rwanda	0.76	3.19	0.25	
16	Namibia (2008)	10.17	43.31	0.87	●	88	Tanzania, United Rep. (2004)	0.64	2.66	0.24	
17	Jordan	9.11	38.79	0.86	●	89	Mongolia (2013)	0.62	2.58	0.23	
18	Belgium	8.98	38.25	0.85		90	Ecuador	0.59	2.45	0.23	
19	Czech Republic	8.96	38.16	0.84		91	Algeria (2011)	0.55	2.28	0.22	
20	Hong Kong (China) (2013)	8.90	37.89	0.83		92	Croatia	0.54	2.22	0.21	○
21	Bahrain	8.48	36.11	0.83		93	Tunisia	0.53	2.20	0.20	○
22	Denmark	8.13	34.61	0.82		94	Mali (2011)	0.53	2.18	0.19	
23	Norway	7.75	32.97	0.81		95	Swaziland (2013)	0.51	2.10	0.18	
24	Netherlands	7.25	30.84	0.80		96	Lesotho	0.50	2.06	0.17	
25	Germany	7.04	29.97	0.79		97	El Salvador	0.41	1.66	0.17	
26	Bosnia and Herzegovina (2013)	6.48	27.58	0.78	●	98	Guyana	0.38	1.57	0.16	
27	Sweden	6.32	26.87	0.77		99	Zimbabwe	0.37	1.53	0.15	
28	Iceland	6.21	26.42	0.77		100	Botswana (2011)	0.35	1.44	0.14	
29	Burundi (2010)	6.19	26.35	0.76	●	101	Chile	0.31	1.25	0.13	○
30	Trinidad and Tobago (2004)	5.78	24.61	0.75	●	102	Mozambique (2013)	0.30	1.23	0.12	
31	Ireland	5.76	24.51	0.74		103	China	0.27	1.10	0.11	○
32	Finland	5.71	24.28	0.73		104	Brazil	0.21	0.83	0.10	○
33	Niger	5.43	23.08	0.72	●	105	Viet Nam (2013)	0.16	0.62	0.10	○
34	Malaysia	5.22	22.20	0.71		106	Sri Lanka	0.14	0.52	0.09	○
35	Malta	4.84	20.59	0.70		107	Uzbekistan (2011)	0.14	0.51	0.08	○
36	Portugal	4.75	20.18	0.70		108	Indonesia	0.12	0.43	0.07	○
37	Hungary	4.60	19.56	0.69		109	Iran, Islamic Rep.	0.10	0.37	0.06	○
38	Saudi Arabia (2013)	4.58	19.46	0.68		110	Philippines (2008)	0.10	0.36	0.05	○
39	Côte d'Ivoire (2013)	4.40	18.69	0.67	●	111	Bangladesh (2009)	0.10	0.36	0.04	○
40	Greece	4.37	18.58	0.66		112	India	0.10	0.36	0.03	○
41	Yemen (2011)	4.26	18.10	0.65	●	113	Venezuela, Bolivarian Rep. (2008)	0.09	0.32	0.03	
42	South Africa	4.19	17.82	0.64		114	Cambodia (2006)	0.07	0.24	0.02	○
43	Slovakia	4.09	17.40	0.63		115	Nepal (2011)	0.03	0.05	0.01	○
44	Italy	4.04	17.15	0.63		116	Myanmar	0.02	0.00	0.00	○
45	Kyrgyzstan (2013)	3.96	16.81	0.62		n/a	Angola	n/a	n/a	n/a	
46	Bulgaria	3.93	16.72	0.61		n/a	Argentina	n/a	n/a	n/a	
47	Japan	3.88	16.47	0.60		n/a	Bhutan	n/a	n/a	n/a	
48	Serbia (2013)	3.74	15.87	0.59		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
49	United States of America	3.53	14.98	0.58		n/a	Canada	n/a	n/a	n/a	
50	Dominican Republic	3.48	14.79	0.57	●	n/a	Colombia	n/a	n/a	n/a	
51	Ghana	3.09	13.12	0.57		n/a	Ethiopia	n/a	n/a	n/a	
52	Georgia (2013)	3.03	12.87	0.56		n/a	Gambia	n/a	n/a	n/a	
53	Armenia (2013)	3.02	12.80	0.55		n/a	Guatemala	n/a	n/a	n/a	
54	Burkina Faso (2013)	2.90	12.30	0.54	●	n/a	Jamaica	n/a	n/a	n/a	
55	Mauritius (2013)	2.87	12.17	0.53		n/a	Kenya	n/a	n/a	n/a	
56	Spain	2.84	12.03	0.52	○	n/a	Kuwait	n/a	n/a	n/a	
57	Latvia	2.80	11.87	0.51		n/a	Mexico	n/a	n/a	n/a	
58	Oman (2013)	2.63	11.17	0.50		n/a	Montenegro	n/a	n/a	n/a	
59	Azerbaijan	2.50	10.61	0.50		n/a	Nicaragua	n/a	n/a	n/a	
60	Belarus (2013)	2.41	10.21	0.49		n/a	Nigeria	n/a	n/a	n/a	
61	Estonia	2.33	9.86	0.48	○	n/a	Pakistan	n/a	n/a	n/a	
62	Slovenia	2.27	9.60	0.47		n/a	Panama	n/a	n/a	n/a	
63	Ukraine (2013)	2.25	9.54	0.46		n/a	Paraguay	n/a	n/a	n/a	
64	Russian Federation	2.17	9.21	0.45		n/a	Peru	n/a	n/a	n/a	
65	TFYR of Macedonia	2.17	9.17	0.44		n/a	Senegal	n/a	n/a	n/a	
66	Morocco (2010)	1.93	8.16	0.43		n/a	Seychelles	n/a	n/a	n/a	
67	Moldova, Rep. (2013)	1.88	7.96	0.43		n/a	Sudan	n/a	n/a	n/a	
68	Egypt (2010)	1.85	7.83	0.42		n/a	Uruguay	n/a	n/a	n/a	
69	Romania (2011)	1.84	7.80	0.41		n/a	Zambia	n/a	n/a	n/a	
70	Lithuania	1.79	7.58	0.40							
71	Korea, Rep.	1.77	7.49	0.39	○						
72	Madagascar	1.74	7.34	0.38							

SOURCE: UNESCO Institute for Statistics, *UIS online database*

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 (2012)	8,337.13	100.00	1.00	●	73	Paraguay (2012)	161.65	1.87	0.31	
2	Denmark	7,271.28	87.21	0.99	●	74	Colombia (2012)	161.45	1.87	0.30	
3	Finland	7,223.34	86.63	0.98	●	75	India (2010)	159.93	1.85	0.29	
4	Iceland (2011)	7,012.22	84.10	0.97	●	76	Oman (2011)	159.89	1.85	0.28	
5	Korea, Rep.	6,533.18	78.35	0.96		77	Bosnia and Herzegovina (2012)	150.58	1.74	0.27	
6	Sweden	6,508.55	78.05	0.95		78	Seychelles (2005)	149.26	1.72	0.26	
7	Singapore (2012)	6,437.73	77.20	0.94		79	Albania (2008)	147.94	1.71	0.25	
8	Norway (2012)	5,575.03	66.85	0.93		80	Kuwait (2012)	135.06	1.55	0.24	
9	Japan	5,194.83	62.28	0.92		81	Panama (2011)	117.10	1.34	0.23	
10	Luxembourg	4,930.80	59.11	0.91		82	Sri Lanka (2010)	103.09	1.17	0.22	
11	Austria	4,699.46	56.34	0.90	●	83	Zimbabwe (2012)	95.10	1.07	0.21	
12	Switzerland (2012)	4,495.21	53.89	0.89		84	Indonesia (2009)	89.90	1.01	0.20	
13	Canada (2012)	4,493.66	53.87	0.88		85	Philippines (2007)	78.28	0.87	0.19	
14	Germany	4,362.56	52.29	0.88		86	Côte d'Ivoire (2005)	72.96	0.81	0.18	
15	Netherlands	4,315.51	51.73	0.87		87	Angola (2011)	56.99	0.61	0.17	
16	Australia (2008)	4,280.36	51.31	0.86		88	Madagascar (2011)	51.02	0.54	0.16	
17	Slovenia	4,202.23	50.37	0.85		89	Cabo Verde (2011)	50.96	0.54	0.15	
18	France	4,124.62	49.44	0.84		90	Malawi (2010)	48.76	0.51	0.14	
19	United Kingdom	4,107.73	49.23	0.83		91	Burkina Faso (2010)	47.78	0.50	0.13	
20	Portugal	4,083.76	48.95	0.82		92	Ethiopia	46.06	0.48	0.13	
21	Belgium	4,020.82	48.19	0.81		93	Zambia (2008)	43.03	0.45	0.12	
22	United States of America (2011)	3,978.73	47.69	0.80		94	Ghana (2010)	38.77	0.39	0.11	
23	New Zealand (2011)	3,692.86	44.25	0.79		95	Nigeria (2007)	38.57	0.39	0.10	
24	Ireland (2012)	3,438.02	41.20	0.78		96	Mozambique (2010)	38.07	0.39	0.09	
25	Estonia	3,423.57	41.02	0.77		97	Uganda (2010)	37.15	0.38	0.08	
26	Czech Republic	3,202.25	38.37	0.76		98	Togo (2012)	36.48	0.37	0.07	
27	Russian Federation	3,084.57	36.95	0.75		99	Tanzania, United Rep. (2010)	35.57	0.36	0.06	○
28	Hong Kong (China) (2012)	2,970.70	35.59	0.74		100	Gambia (2011)	33.78	0.34	0.05	○
29	Lithuania	2,836.32	33.97	0.73		101	Mali (2010)	31.64	0.31	0.04	
30	Slovakia	2,702.16	32.36	0.72		102	Guatemala (2012)	27.25	0.26	0.03	○
31	Spain	2,633.51	31.54	0.71		103	Rwanda (2009)	11.70	0.07	0.02	○
32	Hungary	2,515.13	30.12	0.70		104	Niger (2005)	7.66	0.02	0.01	○
33	Greece	2,486.30	29.77	0.69		105	Lesotho (2011)	5.86	0.00	0.00	○
34	Malta	2,039.61	24.41	0.68		n/a	Armenia	n/a	n/a	n/a	
35	Italy	1,934.30	23.15	0.67		n/a	Azerbaijan	n/a	n/a	n/a	
36	Poland	1,870.19	22.38	0.66		n/a	Bahrain	n/a	n/a	n/a	
37	Malaysia (2012)	1,777.17	21.26	0.65		n/a	Bangladesh	n/a	n/a	n/a	
38	Latvia	1,768.02	21.15	0.64		n/a	Barbados	n/a	n/a	n/a	
39	Bulgaria	1,699.31	20.33	0.63		n/a	Belarus	n/a	n/a	n/a	
40	Croatia	1,522.01	18.20	0.63		n/a	Bhutan	n/a	n/a	n/a	
41	Tunisia (2012)	1,393.94	16.66	0.62		n/a	Botswana	n/a	n/a	n/a	
42	Costa Rica (2011)	1,289.03	15.40	0.61		n/a	Burundi	n/a	n/a	n/a	
43	Argentina (2012)	1,255.82	15.00	0.60		n/a	Cambodia	n/a	n/a	n/a	
44	Serbia (2012)	1,235.48	14.76	0.59		n/a	Cameroon	n/a	n/a	n/a	
45	Turkey	1,188.73	14.20	0.58		n/a	Dominican Republic	n/a	n/a	n/a	
46	Ukraine	1,163.29	13.89	0.57		n/a	El Salvador	n/a	n/a	n/a	
47	China	1,071.07	12.79	0.56		n/a	Fiji	n/a	n/a	n/a	
48	Morocco (2011)	864.46	10.31	0.55		n/a	Georgia	n/a	n/a	n/a	
49	Romania	861.99	10.28	0.54		n/a	Guinea	n/a	n/a	n/a	
50	Cyprus	775.52	9.24	0.53		n/a	Guyana	n/a	n/a	n/a	
51	Kazakhstan	763.48	9.09	0.52		n/a	Honduras	n/a	n/a	n/a	
52	Montenegro (2011)	762.92	9.09	0.51		n/a	Jamaica	n/a	n/a	n/a	
53	Moldova, Rep.	752.18	8.96	0.50		n/a	Jordan	n/a	n/a	n/a	
54	Iran, Islamic Rep. (2010)	736.12	8.77	0.49		n/a	Kyrgyzstan	n/a	n/a	n/a	
55	Brazil (2010)	710.28	8.46	0.48		n/a	Lebanon	n/a	n/a	n/a	
56	Qatar (2012)	586.90	6.97	0.47		n/a	Mongolia	n/a	n/a	n/a	
57	Thailand (2011)	546.14	6.48	0.46		n/a	Myanmar	n/a	n/a	n/a	
58	Uzbekistan (2011)	533.86	6.34	0.45		n/a	Namibia	n/a	n/a	n/a	
59	Uruguay	529.19	6.28	0.44		n/a	Nepal	n/a	n/a	n/a	
60	Egypt	465.97	5.52	0.43		n/a	Nicaragua	n/a	n/a	n/a	
61	South Africa (2012)	408.17	4.83	0.42		n/a	Peru	n/a	n/a	n/a	
62	Chile (2012)	389.24	4.60	0.41		n/a	Saudi Arabia	n/a	n/a	n/a	
63	Mexico (2011)	386.43	4.57	0.40		n/a	Sudan	n/a	n/a	n/a	
64	Senegal (2010)	361.30	4.27	0.39		n/a	Swaziland	n/a	n/a	n/a	
65	TFYR of Macedonia (2011)	331.05	3.90	0.38		n/a	Tajikistan	n/a	n/a	n/a	
66	Venezuela, Bolivarian Rep. (2012)	289.97	3.41	0.38		n/a	Trinidad and Tobago	n/a	n/a	n/a	
67	Kenya (2010)	227.45	2.66	0.37		n/a	United Arab Emirates	n/a	n/a	n/a	
68	Mauritius (2012)	183.86	2.14	0.36		n/a	Viet Nam	n/a	n/a	n/a	
69	Ecuador (2011)	179.48	2.08	0.35		n/a	Yemen	n/a	n/a	n/a	
70	Pakistan	166.05	1.92	0.34							
71	Algeria (2005)	164.69	1.91	0.33							
72	Bolivia, Plurinational St. (2010)	162.06	1.87	0.32							

SOURCE: UNESCO Institute for Statistics, *UIS online database*

NOTE: ● indicates a strength; ○ a weakness

2.3.2 Gross expenditure on R&D (GERD)

GERD: Gross expenditure on R&D (% of GDP) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Israel	4.20	100.00	1.00	●	73	Moldova, Rep.	0.36	8.20	0.38	
2	Korea, Rep.	4.15	98.81	0.99	●	74	Ecuador (2011)	0.35	8.07	0.38	
3	Japan	3.49	82.94	0.98	●	75	Zambia (2008)	0.34	7.81	0.37	
4	Finland	3.46	82.18	0.97		76	Nepal (2010)	0.30	6.90	0.36	
5	Sweden	3.42	81.41	0.97	●	77	Seychelles (2005)	0.30	6.90	0.35	
6	Switzerland (2012)	3.13	74.36	0.96		78	Sudan (2005)	0.30	6.81	0.34	●
7	Denmark	3.10	73.82	0.95		79	Pakistan	0.29	6.52	0.33	
8	Germany	3.01	71.62	0.94		80	Bosnia and Herzegovina (2012)	0.27	6.16	0.32	
9	Austria	2.90	68.89	0.93	●	81	Mongolia	0.25	5.75	0.32	
10	United States of America (2012)	2.79	66.35	0.92		82	Uruguay (2012)	0.24	5.44	0.31	
11	Slovenia	2.65	62.97	0.91	●	83	Armenia	0.24	5.34	0.30	
12	Iceland (2011)	2.61	61.89	0.91		84	Colombia	0.23	5.12	0.29	
13	Belgium	2.36	55.93	0.90		85	TFYR of Macedonia (2011)	0.22	5.06	0.28	○
14	France	2.29	54.35	0.89		86	Togo (2012)	0.22	4.96	0.27	
15	Australia (2011)	2.25	53.43	0.88		87	Nigeria (2007)	0.22	4.92	0.26	
16	Netherlands	2.11	50.17	0.87		88	Azerbaijan	0.21	4.74	0.26	
17	China	2.08	49.41	0.86		89	Burkina Faso (2009)	0.20	4.48	0.25	
18	Singapore (2012)	2.02	47.93	0.85		90	Viet Nam (2011)	0.19	4.24	0.24	
19	Czech Republic	2.00	47.55	0.85		91	Mauritius (2012)	0.18	4.02	0.23	○
20	Estonia	1.77	41.90	0.84		92	Kazakhstan	0.18	4.00	0.22	
21	United Kingdom	1.73	40.90	0.83		93	Panama (2011)	0.18	4.00	0.21	
22	Norway	1.69	40.10	0.82		94	Georgia (2005)	0.18	3.90	0.21	
23	Ireland (2012)	1.66	39.35	0.81		95	Peru (2004)	0.16	3.47	0.20	○
24	Canada	1.63	38.71	0.80		96	Bolivia, Plurinational St. (2009)	0.16	3.44	0.19	
25	Hungary	1.44	34.18	0.79		97	Sri Lanka (2010)	0.16	3.43	0.18	○
26	Portugal	1.40	33.14	0.79		98	Kyrgyzstan (2011)	0.16	3.42	0.17	
27	Italy	1.30	30.61	0.78		99	Albania (2008)	0.15	3.37	0.16	
28	Spain	1.28	30.15	0.77		100	Namibia (2010)	0.14	3.11	0.15	
29	New Zealand (2011)	1.27	29.91	0.76		101	Gambia (2011)	0.13	2.87	0.15	
30	Brazil (2012)	1.24	29.18	0.75	●	102	Oman (2011)	0.13	2.85	0.14	○
31	Luxembourg	1.15	27.15	0.74		103	Burundi (2011)	0.12	2.58	0.13	
32	Malaysia (2012)	1.13	26.61	0.74		104	Tajikistan	0.12	2.50	0.12	
33	Russian Federation	1.12	26.50	0.73		105	Philippines (2007)	0.11	2.31	0.11	○
34	Serbia (2012)	0.97	22.86	0.72		106	Madagascar (2011)	0.11	2.23	0.10	
35	Kenya (2010)	0.97	22.82	0.71		107	Kuwait (2012)	0.09	1.89	0.09	○
36	Lithuania	0.96	22.61	0.70		108	Paraguay (2012)	0.09	1.79	0.09	○
37	Turkey	0.95	22.33	0.69		109	Indonesia (2009)	0.08	1.68	0.08	○
38	Malta	0.88	20.77	0.68		110	Saudi Arabia (2009)	0.07	1.44	0.07	○
39	Poland	0.88	20.74	0.68		111	Cabo Verde (2011)	0.07	1.42	0.06	○
40	Slovakia	0.85	19.91	0.67		112	Algeria (2005)	0.07	1.27	0.05	
41	Croatia	0.82	19.24	0.66		113	Trinidad and Tobago (2012)	0.05	0.85	0.04	○
42	India (2011)	0.81	18.93	0.65		114	Guatemala (2012)	0.04	0.76	0.03	○
43	Greece	0.78	18.40	0.64		115	Bahrain	0.04	0.69	0.03	○
44	Ukraine	0.77	18.00	0.63		116	Honduras (2004)	0.04	0.68	0.02	○
45	South Africa (2012)	0.76	17.84	0.62		117	El Salvador (2012)	0.03	0.42	0.01	○
46	Iran, Islamic Rep. (2008)	0.75	17.57	0.62		118	Lesotho (2011)	0.01	0.00	0.00	○
47	Morocco (2010)	0.73	17.21	0.61		n/a	Angola	n/a	n/a	n/a	
48	Hong Kong (China) (2012)	0.73	17.05	0.60		n/a	Bangladesh	n/a	n/a	n/a	
49	Belarus	0.69	16.08	0.59		n/a	Barbados	n/a	n/a	n/a	
50	Tunisia (2012)	0.68	15.91	0.58		n/a	Bhutan	n/a	n/a	n/a	
51	Egypt	0.68	15.88	0.57		n/a	Cambodia	n/a	n/a	n/a	
52	Bulgaria	0.67	15.62	0.56		n/a	Cameroon	n/a	n/a	n/a	
53	Mali (2010)	0.66	15.48	0.56		n/a	Côte d'Ivoire	n/a	n/a	n/a	
54	Ethiopia	0.61	14.37	0.55	●	n/a	Dominican Republic	n/a	n/a	n/a	
55	Latvia	0.60	13.95	0.54		n/a	Fiji	n/a	n/a	n/a	
56	Argentina (2012)	0.58	13.63	0.53		n/a	Guinea	n/a	n/a	n/a	
57	Uganda (2010)	0.56	13.01	0.52		n/a	Guyana	n/a	n/a	n/a	
58	Senegal (2010)	0.54	12.60	0.51		n/a	Jamaica	n/a	n/a	n/a	
59	Botswana (2005)	0.53	12.41	0.50		n/a	Lebanon	n/a	n/a	n/a	
60	Cyprus	0.52	12.14	0.50		n/a	Malawi	n/a	n/a	n/a	
61	Tanzania, United Rep. (2010)	0.52	12.01	0.49		n/a	Myanmar	n/a	n/a	n/a	
62	Mexico	0.50	11.59	0.48		n/a	Nicaragua	n/a	n/a	n/a	
63	United Arab Emirates (2011)	0.49	11.37	0.47		n/a	Niger	n/a	n/a	n/a	
64	Costa Rica (2011)	0.47	11.01	0.46		n/a	Rwanda	n/a	n/a	n/a	
65	Qatar (2012)	0.47	10.93	0.45		n/a	Swaziland	n/a	n/a	n/a	
66	Mozambique (2010)	0.46	10.73	0.44		n/a	Uzbekistan	n/a	n/a	n/a	
67	Jordan (2008)	0.43	10.07	0.44		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Montenegro (2011)	0.41	9.45	0.43		n/a	Yemen	n/a	n/a	n/a	
69	Romania	0.39	9.01	0.42		n/a	Zimbabwe	n/a	n/a	n/a	
70	Thailand (2011)	0.39	8.95	0.41							
71	Ghana (2010)	0.38	8.68	0.40							
72	Chile (2012)	0.36	8.36	0.39							

SOURCE: UNESCO Institute for Statistics, *UIS online database*

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 | 2014

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	United Kingdom	99.33	99.33	1.00	●	73	Albania	0.00	0.00	0.00	○
2	United States of America	99.20	99.20	0.99	●	73	Algeria	0.00	0.00	0.00	○
3	Switzerland	88.97	88.97	0.99	●	73	Angola	0.00	0.00	0.00	○
4	Canada	88.77	88.77	0.98	●	73	Armenia	0.00	0.00	0.00	○
5	Australia	86.83	86.83	0.97	●	73	Barbados	0.00	0.00	0.00	○
6	Hong Kong (China)	84.67	84.67	0.96		73	Bhutan	0.00	0.00	0.00	○
7	Japan	83.67	83.67	0.96		73	Bolivia, Plurinational St.	0.00	0.00	0.00	○
8	France	80.47	80.47	0.95	●	73	Bosnia and Herzegovina	0.00	0.00	0.00	○
9	Germany	80.20	80.20	0.94		73	Botswana	0.00	0.00	0.00	○
10	Korea, Rep.	79.83	79.83	0.94		73	Burkina Faso	0.00	0.00	0.00	○
11	China	78.47	78.47	0.93		73	Burundi	0.00	0.00	0.00	○
12	Netherlands	76.73	76.73	0.92		73	Cabo Verde	0.00	0.00	0.00	○
13	Sweden	73.47	73.47	0.91		73	Cambodia	0.00	0.00	0.00	○
14	Denmark	72.70	72.70	0.91		73	Cameroon	0.00	0.00	0.00	○
15	Belgium	66.33	66.33	0.90		73	Costa Rica	0.00	0.00	0.00	○
16	Ireland	62.47	62.47	0.89		73	Côte d'Ivoire	0.00	0.00	0.00	○
17	Finland	61.77	61.77	0.89		73	Cyprus	0.00	0.00	0.00	○
18	New Zealand	59.70	59.70	0.88		73	Dominican Republic	0.00	0.00	0.00	○
19	Norway	58.93	58.93	0.87		73	Ecuador	0.00	0.00	0.00	○
20	Singapore	58.37	58.37	0.86		73	El Salvador	0.00	0.00	0.00	○
21	Spain	57.57	57.57	0.86		73	Ethiopia	0.00	0.00	0.00	○
22	Israel	57.53	57.53	0.85		73	Fiji	0.00	0.00	0.00	○
23	Brazil	53.97	53.97	0.84	●	73	Gambia	0.00	0.00	0.00	○
24	Italy	53.17	53.17	0.84		73	Georgia	0.00	0.00	0.00	○
25	Russian Federation	52.07	52.07	0.83		73	Guatemala	0.00	0.00	0.00	○
26	Austria	49.77	49.77	0.82		73	Guinea	0.00	0.00	0.00	○
27	Malaysia	49.43	49.43	0.81		73	Guyana	0.00	0.00	0.00	○
28	India	46.97	46.97	0.81	●	73	Honduras	0.00	0.00	0.00	○
29	Chile	46.83	46.83	0.80		73	Iceland	0.00	0.00	0.00	○
30	South Africa	45.97	45.97	0.79		73	Jamaica	0.00	0.00	0.00	○
31	Saudi Arabia	45.43	45.43	0.79		73	Kyrgyzstan	0.00	0.00	0.00	○
32	Argentina	43.80	43.80	0.78	●	73	Latvia	0.00	0.00	0.00	○
33	Mexico	43.20	43.20	0.77	●	73	Lesotho	0.00	0.00	0.00	○
34	Colombia	41.43	41.43	0.76		73	Luxembourg	0.00	0.00	0.00	○
35	Portugal	40.37	40.37	0.76		73	Madagascar	0.00	0.00	0.00	○
36	Thailand	40.17	40.17	0.75		73	Malawi	0.00	0.00	0.00	○
37	Czech Republic	35.47	35.47	0.74		73	Mali	0.00	0.00	0.00	○
38	Kazakhstan	35.10	35.10	0.74		73	Malta	0.00	0.00	0.00	○
39	Turkey	34.53	34.53	0.73		73	Mauritius	0.00	0.00	0.00	○
40	United Arab Emirates	34.47	34.47	0.72		73	Moldova, Rep.	0.00	0.00	0.00	○
41	Indonesia	32.90	32.90	0.71	●	73	Mongolia	0.00	0.00	0.00	○
42	Poland	32.83	32.83	0.71		73	Montenegro	0.00	0.00	0.00	○
43	Lebanon	31.47	31.47	0.70		73	Morocco	0.00	0.00	0.00	○
44	Greece	31.43	31.43	0.69		73	Mozambique	0.00	0.00	0.00	○
45	Philippines	29.93	29.93	0.69	●	73	Myanmar	0.00	0.00	0.00	○
46	Ukraine	29.40	29.40	0.68		73	Namibia	0.00	0.00	0.00	○
47	Egypt	27.90	27.90	0.67	●	73	Nepal	0.00	0.00	0.00	○
48	Venezuela, Bolivarian Rep.	26.63	26.63	0.66	●	73	Nicaragua	0.00	0.00	0.00	○
49	Hungary	25.33	25.33	0.66		73	Niger	0.00	0.00	0.00	○
50	Peru	24.10	24.10	0.65		73	Nigeria	0.00	0.00	0.00	○
51	Pakistan	22.10	22.10	0.64	●	73	Panama	0.00	0.00	0.00	○
52	Estonia	21.47	21.47	0.64		73	Paraguay	0.00	0.00	0.00	○
53	Lithuania	19.90	19.90	0.63		73	Rwanda	0.00	0.00	0.00	○
54	Azerbaijan	19.77	19.77	0.62		73	Senegal	0.00	0.00	0.00	○
55	Romania	17.07	17.07	0.61		73	Seychelles	0.00	0.00	0.00	○
56	Iran, Islamic Rep.	15.63	15.63	0.61		73	Slovakia	0.00	0.00	0.00	○
57	Belarus	15.50	15.50	0.60		73	Sudan	0.00	0.00	0.00	○
58	Jordan	14.70	14.70	0.59		73	Swaziland	0.00	0.00	0.00	○
59	Bahrain	14.30	14.30	0.59		73	Tajikistan	0.00	0.00	0.00	○
60	Uruguay	13.97	13.97	0.58		73	TFYR of Macedonia	0.00	0.00	0.00	○
61	Slovenia	9.20	9.20	0.57		73	Togo	0.00	0.00	0.00	○
62	Qatar	8.60	8.60	0.56		73	Trinidad and Tobago	0.00	0.00	0.00	○
63	Oman	8.30	8.30	0.56		73	Tunisia	0.00	0.00	0.00	○
64	Croatia	7.93	7.93	0.55		73	Uganda	0.00	0.00	0.00	○
65	Bulgaria	7.33	7.33	0.54		73	Uzbekistan	0.00	0.00	0.00	○
66	Sri Lanka	5.93	5.93	0.54		73	Viet Nam	0.00	0.00	0.00	○
67	Bangladesh	5.60	5.60	0.53		73	Yemen	0.00	0.00	0.00	○
68	Kuwait	5.03	5.03	0.52		73	Zambia	0.00	0.00	0.00	○
69	Kenya	4.93	4.93	0.51		73	Zimbabwe	0.00	0.00	0.00	○
70	Serbia	4.47	4.47	0.51							
71	Tanzania, United Rep.	2.80	2.80	0.50	●						
72	Ghana	2.27	2.27	0.49							

SOURCE: QS Quacquarelli Symonds Ltd, QS World University Ranking 2014/2015, Top Universities

NOTE: ● indicates a strength; ○ a weakness

3.1.1

ICT access

ICT access index | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Luxembourg	9.46	94.60	1.00	●	73	Jordan	5.47	54.70	0.47	
2	Switzerland	9.36	93.60	0.99	●	74	Colombia	5.44	54.40	0.46	
3	Iceland	9.28	92.80	0.99	●	75	Venezuela, Bolivarian Rep.	5.36	53.60	0.46	
4	Hong Kong (China)	9.24	92.40	0.98		76	Ecuador	5.16	51.60	0.45	
5	Germany	9.19	91.90	0.97	●	77	China	5.10	51.00	0.44	
6	United Kingdom	9.18	91.80	0.96		78	Egypt	5.09	50.90	0.43	
7	Malta	8.98	89.80	0.96	●	79	Thailand	4.88	48.80	0.43	
8	Korea, Rep.	8.94	89.40	0.95		80	South Africa	4.82	48.20	0.42	
9	Netherlands	8.93	89.30	0.93		81	Mexico	4.80	48.00	0.41	
9	Sweden	8.93	89.30	0.93		82	Mongolia	4.79	47.90	0.40	
11	Denmark	8.80	88.00	0.93		83	El Salvador	4.76	47.60	0.40	
12	France	8.65	86.50	0.92	●	84	Albania	4.62	46.20	0.39	
13	Singapore	8.61	86.10	0.91		85	Fiji	4.60	46.00	0.38	
14	Japan	8.40	84.00	0.90		86	Jamaica	4.58	45.80	0.38	
15	Norway	8.36	83.60	0.90		87	Tunisia	4.56	45.60	0.37	
16	Israel	8.31	83.10	0.89		88	Cabo Verde	4.55	45.50	0.36	
17	Austria	8.28	82.80	0.88		89	Peru	4.54	45.40	0.35	
18	Belgium	8.26	82.60	0.88		90	Paraguay	4.49	44.90	0.35	
19	Ireland	8.24	82.40	0.87		91	Viet Nam	4.48	44.80	0.34	
20	Australia	8.23	82.30	0.86		92	Ghana	4.47	44.70	0.33	
21	Qatar	8.09	80.90	0.85		93	Algeria	4.46	44.60	0.32	
22	Canada	8.01	80.10	0.85		94	Guatemala	4.35	43.50	0.32	
23	Slovenia	7.91	79.10	0.84		95	Indonesia	4.32	43.20	0.31	
24	Barbados	7.86	78.60	0.83		96	Philippines	4.30	43.00	0.30	
25	Estonia	7.82	78.20	0.82		97	Dominican Republic	4.15	41.50	0.29	
26	Finland	7.80	78.00	0.82		98	Bolivia, Plurinational St.	4.11	41.10	0.29	
27	New Zealand	7.79	77.90	0.81		99	Botswana	4.06	40.60	0.28	
28	United States of America	7.78	77.80	0.80		100	Kyrgyzstan	4.05	40.50	0.27	
29	Bahrain	7.72	77.20	0.79		101	Guyana	4.04	40.40	0.26	
30	Spain	7.70	77.00	0.79		102	Nicaragua	3.98	39.80	0.26	
31	Portugal	7.67	76.70	0.77		103	Honduras	3.94	39.40	0.25	
31	United Arab Emirates	7.67	76.70	0.77		104	Namibia	3.93	39.30	0.24	
33	Italy	7.62	76.20	0.76		105	Sri Lanka	3.85	38.50	0.24	
34	Greece	7.53	75.30	0.76		106	Cambodia	3.73	37.30	0.23	
35	Belarus	7.39	73.90	0.75		107	Mali	3.55	35.50	0.22	
36	Hungary	7.32	73.20	0.74		108	Sudan	3.46	34.60	0.21	
37	Croatia	7.31	73.10	0.74		109	Gambia	3.39	33.90	0.21	
38	Latvia	7.29	72.90	0.73		110	Kenya	3.29	32.90	0.20	
39	Czech Republic	7.26	72.60	0.72		111	Senegal	3.23	32.30	0.19	
40	Russian Federation	7.25	72.50	0.71		112	Côte d'Ivoire	3.19	31.90	0.18	
41	Serbia	7.22	72.20	0.71		113	Bhutan	3.18	31.80	0.18	
42	Oman	7.12	71.20	0.70	●	114	Zimbabwe	3.12	31.20	0.17	
43	Uruguay	7.05	70.50	0.69		115	India	3.05	30.50	0.16	
44	Poland	7.04	70.40	0.68		116	Pakistan	3.03	30.30	0.15	
44	Saudi Arabia	7.04	70.40	0.68		117	Lesotho	3.02	30.20	0.14	
46	Slovakia	7.03	70.30	0.67		117	Swaziland	3.02	30.20	0.14	
47	Lithuania	7.00	70.00	0.66		119	Uzbekistan	2.95	29.50	0.13	
48	Cyprus	6.93	69.30	0.65		120	Cameroon	2.75	27.50	0.13	
49	Kazakhstan	6.84	68.40	0.65		121	Nepal	2.70	27.00	0.12	
50	Bulgaria	6.77	67.70	0.64		122	Zambia	2.68	26.80	0.11	
51	Montenegro	6.74	67.40	0.63		123	Yemen	2.66	26.60	0.10	
52	Argentina	6.62	66.20	0.62		124	Bangladesh	2.57	25.70	0.10	
52	Romania	6.62	66.20	0.62		125	Nigeria	2.53	25.30	0.09	
54	Malaysia	6.58	65.80	0.61		126	Angola	2.52	25.20	0.08	
55	Moldova, Rep.	6.56	65.60	0.60		127	Burkina Faso	2.46	24.60	0.07	○
56	TFYR of Macedonia	6.55	65.50	0.60		128	Rwanda	2.43	24.30	0.07	○
57	Seychelles	6.46	64.60	0.59		129	Tanzania, United Rep.	2.37	23.70	0.06	○
58	Lebanon	6.45	64.50	0.58		130	Guinea	2.28	22.80	0.05	
59	Trinidad and Tobago	6.36	63.60	0.57		131	Mozambique	2.21	22.10	0.04	○
60	Chile	6.35	63.50	0.57		132	Uganda	2.18	21.80	0.04	○
61	Mauritius	6.32	63.20	0.56		133	Niger	1.95	19.50	0.03	
62	Costa Rica	6.27	62.70	0.55		134	Malawi	1.89	18.90	0.02	○
63	Ukraine	6.16	61.60	0.54		135	Ethiopia	1.87	18.70	0.01	○
64	Brazil	6.14	61.40	0.54		136	Myanmar	1.85	18.50	0.01	○
65	Azerbaijan	6.07	60.70	0.53		137	Madagascar	1.68	16.80	0.00	○
66	Georgia	5.99	59.90	0.52		n/a	Burundi	n/a	n/a	n/a	
67	Turkey	5.83	58.30	0.51		n/a	Kuwait	n/a	n/a	n/a	
68	Armenia	5.64	56.40	0.51		n/a	Tajikistan	n/a	n/a	n/a	
69	Bosnia and Herzegovina	5.63	56.30	0.49		n/a	Togo	n/a	n/a	n/a	
69	Morocco	5.63	56.30	0.49							
71	Iran, Islamic Rep.	5.53	55.30	0.48							
71	Panama	5.53	55.30	0.48							

SOURCE: International Telecommunication Union, *Measuring the Information Society 2014*, ICT Development Index 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	Denmark	8.71	87.10	1.00	●	73	Cabo Verde	2.90	29.00	0.47	
2	Sweden	8.29	82.90	0.99	●	74	Egypt	2.87	28.70	0.46	
3	Korea, Rep.	8.26	82.60	0.99	●	75	South Africa	2.75	27.50	0.46	
4	Finland	8.09	80.90	0.98		76	Seychelles	2.74	27.40	0.45	
5	Norway	8.07	80.70	0.97	●	77	Panama	2.70	27.00	0.44	
6	United Kingdom	7.88	78.80	0.96		78	Dominican Republic	2.65	26.50	0.43	
7	Japan	7.80	78.00	0.96		79	Jamaica	2.62	26.20	0.43	
8	Luxembourg	7.66	76.60	0.95		80	Tunisia	2.59	25.90	0.42	
9	Iceland	7.65	76.50	0.94		81	Ecuador	2.58	25.80	0.40	
10	United States of America	7.50	75.00	0.93		81	Georgia	2.58	25.80	0.40	
11	Australia	7.48	74.80	0.93		83	Morocco	2.50	25.00	0.39	
12	Netherlands	7.43	74.30	0.92		83	Viet Nam	2.50	25.00	0.39	
13	Hong Kong (China)	7.36	73.60	0.91		85	Mexico	2.45	24.50	0.38	
14	Singapore	7.19	71.90	0.90		86	Venezuela, Bolivarian Rep.	2.36	23.60	0.38	
15	New Zealand	7.10	71.00	0.90		87	Philippines	2.28	22.80	0.37	
16	Bahrain	7.06	70.60	0.89	●	88	Jordan	2.22	22.20	0.36	
17	Estonia	6.77	67.70	0.88		89	Ukraine	2.11	21.10	0.35	
18	Switzerland	6.75	67.50	0.88		90	Uzbekistan	2.09	20.90	0.35	
19	France	6.74	67.40	0.87		91	Zimbabwe	1.92	19.20	0.34	
20	Canada	6.63	66.30	0.86		92	Bolivia, Plurinational St.	1.86	18.60	0.33	
21	United Arab Emirates	6.51	65.10	0.85		93	Indonesia	1.80	18.00	0.32	
22	Austria	6.28	62.80	0.85		94	Ghana	1.76	17.60	0.32	
23	Ireland	6.24	62.40	0.84		95	Mongolia	1.69	16.90	0.30	
24	Germany	6.21	62.10	0.83		95	Peru	1.69	16.90	0.30	
25	Belgium	6.18	61.80	0.82		97	Bhutan	1.67	16.70	0.29	
26	Spain	6.04	60.40	0.82		97	Namibia	1.67	16.70	0.29	
27	Qatar	5.95	59.50	0.81		99	Sudan	1.65	16.50	0.28	●
28	Latvia	5.91	59.10	0.80		100	Nigeria	1.60	16.00	0.27	
29	Croatia	5.62	56.20	0.79	●	101	Kyrgyzstan	1.59	15.90	0.26	
30	Israel	5.53	55.30	0.79		102	Paraguay	1.50	15.00	0.26	
31	Malta	5.48	54.80	0.78		103	Iran, Islamic Rep.	1.44	14.40	0.25	
32	Italy	5.38	53.80	0.77		104	Kenya	1.41	14.10	0.24	
33	Lithuania	5.29	52.90	0.76		105	Guyana	1.36	13.60	0.24	
34	Slovakia	5.28	52.80	0.76		106	El Salvador	1.27	12.70	0.23	
35	Czech Republic	5.22	52.20	0.75		107	Senegal	1.25	12.50	0.22	
36	Slovenia	5.21	52.10	0.74		108	Sri Lanka	1.10	11.00	0.21	
37	Barbados	5.20	52.00	0.74		109	Angola	1.06	10.60	0.21	
38	Belarus	4.99	49.90	0.73		110	Honduras	1.03	10.30	0.20	
39	Russian Federation	4.97	49.70	0.72		111	Swaziland	0.99	9.90	0.19	
40	Poland	4.94	49.40	0.71		112	Guatemala	0.96	9.60	0.18	
41	Bulgaria	4.77	47.70	0.70		113	Nepal	0.92	9.20	0.18	
41	Saudi Arabia	4.77	47.70	0.70		114	Uganda	0.83	8.30	0.17	
43	Hungary	4.67	46.70	0.69		115	Algeria	0.73	7.30	0.15	
44	Greece	4.65	46.50	0.68		115	Yemen	0.73	7.30	0.15	
44	Oman	4.65	46.50	0.68		117	India	0.68	6.80	0.14	
46	Portugal	4.61	46.10	0.67		117	Nicaragua	0.68	6.80	0.14	
47	Uruguay	4.56	45.60	0.66		119	Cambodia	0.55	5.50	0.13	
48	Costa Rica	4.48	44.80	0.65		119	Lesotho	0.55	5.50	0.13	
49	Azerbaijan	4.40	44.00	0.65		121	Zambia	0.54	5.40	0.12	
50	Cyprus	4.34	43.40	0.63		122	Gambia	0.51	5.10	0.11	
50	Serbia	4.34	43.40	0.63		123	Rwanda	0.49	4.90	0.10	
52	Kazakhstan	4.33	43.30	0.62		124	Burkina Faso	0.45	4.50	0.10	
52	Lebanon	4.33	43.30	0.62		125	Pakistan	0.42	4.20	0.09	
54	TFYR of Macedonia	4.22	42.20	0.61		126	Malawi	0.31	3.10	0.08	○
55	Chile	4.08	40.80	0.60		127	Cameroon	0.28	2.80	0.07	○
56	Brazil	4.01	40.10	0.60		128	Bangladesh	0.27	2.70	0.07	
57	Moldova, Rep.	3.94	39.40	0.59		129	Ethiopia	0.24	2.40	0.04	
58	Romania	3.87	38.70	0.58		129	Mozambique	0.24	2.40	0.04	○
59	Bosnia and Herzegovina	3.71	37.10	0.57		129	Tanzania, United Rep.	0.24	2.40	0.04	○
60	Trinidad and Tobago	3.60	36.00	0.57		132	Côte d'Ivoire	0.16	1.60	0.04	○
61	Argentina	3.42	34.20	0.56		133	Mali	0.14	1.40	0.03	○
62	Montenegro	3.37	33.70	0.55		134	Madagascar	0.09	0.90	0.01	○
63	Albania	3.26	32.60	0.54		134	Niger	0.09	0.90	0.01	○
64	Turkey	3.24	32.40	0.54		136	Myanmar	0.08	0.80	0.01	○
65	Malaysia	3.16	31.60	0.53		137	Guinea	0.05	0.50	0.00	○
66	Thailand	3.12	31.20	0.52		n/a	Burundi	n/a	n/a	n/a	
67	Fiji	3.08	30.80	0.51		n/a	Kuwait	n/a	n/a	n/a	
68	Colombia	3.07	30.70	0.51		n/a	Tajikistan	n/a	n/a	n/a	
69	Botswana	3.03	30.30	0.50		n/a	Togo	n/a	n/a	n/a	
70	Armenia	3.02	30.20	0.49							
71	China	2.99	29.90	0.49							
72	Mauritius	2.97	29.70	0.48							

SOURCE: International Telecommunication Union, *Measuring the Information Society 2014*, ICT Development Index 2014

NOTE: ● indicates a strength; ○ a weakness

3.1.3 Government's online service

Government's online service index | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	France	1.00	100.00	1.00	●	72	Uzbekistan	0.45	44.88	0.48	
2	Singapore	0.99	99.21	0.99	●	74	Romania	0.44	44.09	0.47	
3	Korea, Rep.	0.98	97.64	0.99	●	74	Thailand	0.44	44.09	0.47	
4	Japan	0.94	94.49	0.96	●	76	Azerbaijan	0.43	43.31	0.46	
4	Spain	0.94	94.49	0.96	●	77	Kenya	0.43	42.52	0.45	
4	United States of America	0.94	94.49	0.96		77	Slovenia	0.43	42.52	0.45	
7	Bahrain	0.94	93.70	0.96	●	79	Viet Nam	0.42	41.73	0.44	
8	Australia	0.93	92.91	0.94		80	Honduras	0.40	40.16	0.42	
8	Netherlands	0.93	92.91	0.94		80	Malta	0.40	40.16	0.42	
10	Canada	0.91	91.34	0.94		82	Bolivia, Plurinational St.	0.39	39.37	0.40	
11	United Kingdom	0.90	89.76	0.93		82	Fiji	0.39	39.37	0.40	
12	United Arab Emirates	0.88	88.19	0.92	●	82	Serbia	0.39	39.37	0.40	
13	Israel	0.87	87.40	0.91		85	Dominican Republic	0.39	38.58	0.39	
14	Uruguay	0.85	85.04	0.91	●	85	South Africa	0.39	38.58	0.39	
15	New Zealand	0.84	84.25	0.90		87	Czech Republic	0.37	37.01	0.37	○
16	Chile	0.82	81.89	0.89	●	87	Iran, Islamic Rep.	0.37	37.01	0.37	
17	Colombia	0.79	78.74	0.88	●	87	Panama	0.37	37.01	0.37	
18	Estonia	0.77	77.17	0.86		90	Indonesia	0.36	36.22	0.36	
18	Finland	0.77	77.17	0.86		91	Lebanon	0.35	35.43	0.35	
18	Saudi Arabia	0.77	77.17	0.86	●	92	Bangladesh	0.35	34.65	0.35	
21	Lithuania	0.76	75.59	0.85	●	93	Seychelles	0.33	33.07	0.33	
21	Norway	0.76	75.59	0.85		93	Trinidad and Tobago	0.33	33.07	0.33	
23	Austria	0.75	74.80	0.83		95	Belarus	0.32	32.28	0.31	
23	Italy	0.75	74.80	0.83		95	Namibia	0.32	32.28	0.31	
23	Kazakhstan	0.75	74.80	0.83	●	95	Pakistan	0.32	32.28	0.31	
26	Oman	0.73	73.23	0.82	●	98	Ghana	0.31	31.50	0.29	
27	Russian Federation	0.71	70.87	0.81		98	Jamaica	0.31	31.50	0.29	
28	Latvia	0.70	70.08	0.80		98	Mozambique	0.31	31.50	0.29	
28	Sweden	0.70	70.08	0.80		101	Botswana	0.31	30.71	0.25	
30	Morocco	0.69	69.29	0.79	●	101	Nigeria	0.31	30.71	0.25	
31	Belgium	0.68	67.72	0.77		101	Senegal	0.31	30.71	0.25	
31	Ireland	0.68	67.72	0.77		101	Yemen	0.31	30.71	0.25	
31	Malaysia	0.68	67.72	0.77		101	Zimbabwe	0.31	30.71	0.25	
34	Germany	0.67	66.93	0.76		106	Angola	0.30	29.92	0.23	
35	Denmark	0.66	66.14	0.75		106	Burkina Faso	0.30	29.92	0.23	
35	Mexico	0.66	66.14	0.75		106	Tanzania, United Rep.	0.30	29.92	0.23	
37	Qatar	0.65	65.35	0.73		109	Sudan	0.29	29.13	0.22	
37	Sri Lanka	0.65	65.35	0.73	●	110	Bosnia and Herzegovina	0.28	28.35	0.22	
39	Portugal	0.64	63.78	0.72		111	Kyrgyzstan	0.28	27.56	0.21	
39	Tunisia	0.64	63.78	0.72	●	112	Ukraine	0.27	26.77	0.20	○
41	Peru	0.63	62.99	0.71		113	Bhutan	0.24	24.41	0.17	
42	Luxembourg	0.62	62.20	0.71		113	Guyana	0.24	24.41	0.17	
43	Armenia	0.61	61.42	0.68		113	Madagascar	0.24	24.41	0.17	
43	Costa Rica	0.61	61.42	0.68		113	TFYR of Macedonia	0.24	24.41	0.17	○
43	Iceland	0.61	61.42	0.68		117	Bulgaria	0.24	23.62	0.17	○
43	Mongolia	0.61	61.42	0.68		118	Paraguay	0.23	22.83	0.16	
47	China	0.61	60.63	0.66		119	Barbados	0.22	22.05	0.15	○
47	Greece	0.61	60.63	0.66		120	Gambia	0.20	20.47	0.14	
49	Brazil	0.60	59.84	0.65		121	Cameroon	0.20	19.69	0.14	
49	Georgia	0.60	59.84	0.65		122	Cambodia	0.17	17.32	0.12	○
51	Egypt	0.59	59.06	0.64	●	122	Côte d'Ivoire	0.17	17.32	0.12	
52	Kuwait	0.57	57.48	0.63		122	Malawi	0.17	17.32	0.12	
53	Hungary	0.56	55.91	0.62		125	Cabo Verde	0.17	16.54	0.11	
53	Turkey	0.56	55.91	0.62		126	Lesotho	0.16	15.75	0.09	
55	Argentina	0.55	55.12	0.60		126	Nepal	0.16	15.75	0.09	○
55	Venezuela, Bolivarian Rep.	0.55	55.12	0.60	●	128	Guatemala	0.15	14.96	0.08	
57	India	0.54	54.33	0.59		128	Uganda	0.15	14.96	0.08	
57	Poland	0.54	54.33	0.59		130	Zambia	0.14	14.17	0.07	○
59	El Salvador	0.54	53.54	0.58		131	Mali	0.13	13.39	0.06	
60	Moldova, Rep.	0.53	52.76	0.57		131	Swaziland	0.13	13.39	0.06	○
60	Montenegro	0.53	52.76	0.57		133	Niger	0.13	12.60	0.05	
62	Jordan	0.52	51.97	0.56		134	Togo	0.11	11.02	0.04	○
63	Rwanda	0.51	51.18	0.55		135	Nicaragua	0.09	9.45	0.04	○
64	Switzerland	0.50	50.39	0.55	○	136	Algeria	0.08	7.87	0.03	○
65	Slovakia	0.49	48.82	0.54		137	Tajikistan	0.06	6.30	0.02	○
66	Ecuador	0.48	48.03	0.53		138	Myanmar	0.02	2.36	0.01	
66	Philippines	0.48	48.03	0.53		139	Burundi	0.02	1.57	0.01	○
68	Cyprus	0.47	47.24	0.51		140	Guinea	0.00	0.00	0.00	○
68	Mauritius	0.47	47.24	0.51		n/a	Hong Kong (China)	n/a	n/a	n/a	
70	Croatia	0.46	46.46	0.50							
71	Ethiopia	0.46	45.67	0.50	●						
72	Albania	0.45	44.88	0.48							

SOURCE: United Nations Public Administration Network, e-Government Survey 2014

NOTE: ● indicates a strength; ○ a weakness

3.1.4 Online e-participation

E-participation index | 2014

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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.	1.00	100.00	0.99	●	70	Uzbekistan	0.47	47.06	0.48	
1	Netherlands	1.00	100.00	0.99	●	74	Hungary	0.45	45.10	0.47	
3	Uruguay	0.98	98.04	0.99	●	74	Zimbabwe	0.45	45.10	0.47	
4	France	0.96	96.08	0.96	●	76	Azerbaijan	0.43	43.14	0.45	
4	Japan	0.96	96.08	0.96	●	76	Kuwait	0.43	43.14	0.45	
4	United Kingdom	0.96	96.08	0.96	●	76	Ukraine	0.43	43.14	0.45	
7	Australia	0.94	94.12	0.95		79	Bolivia, Plurinational St.	0.41	41.18	0.42	
7	Chile	0.94	94.12	0.95	●	79	Kyrgyzstan	0.41	41.18	0.42	
9	United States of America	0.92	92.16	0.94		79	Serbia	0.41	41.18	0.42	
10	Singapore	0.90	90.20	0.94		82	Bangladesh	0.39	39.22	0.39	
11	Colombia	0.88	88.24	0.93	●	82	Fiji	0.39	39.22	0.39	
12	Israel	0.86	86.27	0.92		82	Ghana	0.39	39.22	0.39	
13	United Arab Emirates	0.84	84.31	0.91	●	82	Slovenia	0.39	39.22	0.39	○
14	Bahrain	0.82	82.35	0.89	●	82	Tanzania, United Rep.	0.39	39.22	0.39	
14	Canada	0.82	82.35	0.89		87	Switzerland	0.37	37.25	0.38	○
14	Costa Rica	0.82	82.35	0.89	●	88	Belarus	0.35	35.29	0.35	
17	Greece	0.80	80.39	0.88	●	88	Bhutan	0.35	35.29	0.35	
17	Morocco	0.80	80.39	0.88	●	88	Madagascar	0.35	35.29	0.35	
19	Italy	0.78	78.43	0.86	●	88	Senegal	0.35	35.29	0.35	
19	New Zealand	0.78	78.43	0.86		92	Croatia	0.33	33.33	0.29	○
19	Spain	0.78	78.43	0.86		92	Dominican Republic	0.33	33.33	0.29	
22	Estonia	0.76	76.47	0.84		92	Guyana	0.33	33.33	0.29	
22	Kazakhstan	0.76	76.47	0.84	●	92	Honduras	0.33	33.33	0.29	
24	Brazil	0.71	70.59	0.80	●	92	Mozambique	0.33	33.33	0.29	
24	Finland	0.71	70.59	0.80		92	Namibia	0.33	33.33	0.29	
24	Germany	0.71	70.59	0.80		92	Nigeria	0.33	33.33	0.29	
24	Latvia	0.71	70.59	0.80		92	Pakistan	0.33	33.33	0.29	
24	Oman	0.71	70.59	0.80	●	92	South Africa	0.33	33.33	0.29	○
24	Peru	0.71	70.59	0.80	●	101	Botswana	0.31	31.37	0.27	
30	Mongolia	0.69	68.63	0.78		101	Cyprus	0.31	31.37	0.27	○
30	Norway	0.69	68.63	0.78		101	Trinidad and Tobago	0.31	31.37	0.27	
30	Russian Federation	0.69	68.63	0.78		104	Indonesia	0.29	29.41	0.24	
33	China	0.65	64.71	0.73		104	Iran, Islamic Rep.	0.29	29.41	0.24	
33	Ireland	0.65	64.71	0.73		104	Lebanon	0.29	29.41	0.24	
33	Kenya	0.65	64.71	0.73		104	Nepal	0.29	29.41	0.24	
33	Lithuania	0.65	64.71	0.73		108	Sudan	0.27	27.45	0.22	
33	Portugal	0.65	64.71	0.73		108	Yemen	0.27	27.45	0.22	
33	Sri Lanka	0.65	64.71	0.73	●	110	Bulgaria	0.25	25.49	0.19	○
33	Tunisia	0.65	64.71	0.73	●	110	Czech Republic	0.25	25.49	0.19	○
40	Austria	0.63	62.75	0.69		110	Ethiopia	0.25	25.49	0.19	
40	Belgium	0.63	62.75	0.69		110	Paraguay	0.25	25.49	0.19	
40	India	0.63	62.75	0.69		110	Seychelles	0.25	25.49	0.19	○
40	Moldova, Rep.	0.63	62.75	0.69		115	Angola	0.24	23.53	0.16	
40	Slovakia	0.63	62.75	0.69		115	Bosnia and Herzegovina	0.24	23.53	0.16	○
45	El Salvador	0.61	60.78	0.66	●	115	Malawi	0.24	23.53	0.16	
45	Mexico	0.61	60.78	0.66		115	Niger	0.24	23.53	0.16	
45	Qatar	0.61	60.78	0.66		119	Gambia	0.22	21.57	0.14	
45	Sweden	0.61	60.78	0.66		119	TFYR of Macedonia	0.22	21.57	0.14	○
49	Georgia	0.59	58.82	0.65		121	Cambodia	0.20	19.61	0.12	
49	Montenegro	0.59	58.82	0.65		121	Guatemala	0.20	19.61	0.12	
51	Philippines	0.57	56.86	0.63		121	Jamaica	0.20	19.61	0.12	○
51	Saudi Arabia	0.57	56.86	0.63		124	Côte d'Ivoire	0.18	17.65	0.11	○
51	Venezuela, Bolivarian Rep.	0.57	56.86	0.63	●	124	Zambia	0.18	17.65	0.11	
54	Argentina	0.55	54.90	0.59		126	Cameroon	0.16	15.69	0.09	
54	Denmark	0.55	54.90	0.59	○	126	Mali	0.16	15.69	0.09	
54	Egypt	0.55	54.90	0.59		126	Swaziland	0.16	15.69	0.09	○
54	Luxembourg	0.55	54.90	0.59		129	Burkina Faso	0.14	13.73	0.06	○
54	Thailand	0.55	54.90	0.59		129	Lesotho	0.14	13.73	0.06	○
59	Albania	0.53	52.94	0.56		129	Uganda	0.14	13.73	0.06	○
59	Armenia	0.53	52.94	0.56		132	Tajikistan	0.12	11.76	0.06	○
59	Malaysia	0.53	52.94	0.56		133	Barbados	0.10	9.80	0.03	○
59	Mauritius	0.53	52.94	0.56		133	Cabo Verde	0.10	9.80	0.03	○
63	Rwanda	0.51	50.98	0.55		133	Nicaragua	0.10	9.80	0.03	○
64	Ecuador	0.49	49.02	0.51		133	Togo	0.10	9.80	0.03	○
64	Iceland	0.49	49.02	0.51		137	Algeria	0.08	7.84	0.01	○
64	Panama	0.49	49.02	0.51		137	Myanmar	0.08	7.84	0.01	
64	Poland	0.49	49.02	0.51		139	Burundi	0.06	5.88	0.01	○
64	Turkey	0.49	49.02	0.51		140	Guinea	0.02	1.96	0.00	○
64	Viet Nam	0.49	49.02	0.51		n/a	Hong Kong (China)	n/a	n/a	n/a	
70	Jordan	0.47	47.06	0.48							
70	Malta	0.47	47.06	0.48							
70	Romania	0.47	47.06	0.48							

SOURCE: United Nations Public Administration Network, e-Government Survey 2014

NOTE: ● indicates a strength; ○ a weakness

3.2.1 Electricity output

Electricity output (kWh per capita) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Iceland (2013)	56,612.50	100.00	0.98	●	73	Panama	2,264.74	11.67	0.41	
1	Kuwait	19,278.46	100.00	0.98	●	74	Mauritius	2,168.22	11.17	0.40	
1	Norway (2013)	26,317.91	100.00	0.98	●	75	Georgia	2,159.24	11.12	0.39	
4	Bahrain	18,765.15	97.34	0.98	●	76	Tajikistan	2,119.10	10.91	0.39	
5	Canada (2013)	18,511.78	96.02	0.97	●	77	Costa Rica	2,115.38	10.90	0.38	
6	Qatar	16,969.27	88.01	0.96	●	78	Egypt	2,036.22	10.48	0.37	
7	Sweden (2013)	15,884.17	82.38	0.95		79	Uzbekistan	1,762.93	9.07	0.36	
8	United States of America (2013)	13,492.68	69.96	0.94		80	Mongolia	1,720.00	8.84	0.35	
9	Finland (2013)	13,035.85	67.59	0.93		81	Tunisia	1,668.37	8.57	0.34	
10	United Arab Emirates	10,958.41	56.81	0.93	●	82	Dominican Republic	1,650.39	8.48	0.34	
11	Korea, Rep. (2013)	10,643.90	55.17	0.92		83	Moldova, Rep.	1,629.78	8.37	0.33	
12	Australia (2013)	10,544.53	54.66	0.91		84	Jamaica	1,578.23	8.11	0.32	
13	Estonia (2013)	9,918.66	51.41	0.90		85	Lithuania	1,514.72	7.78	0.31	
14	Saudi Arabia	9,603.39	49.77	0.89	●	86	Albania	1,495.25	7.68	0.30	
15	New Zealand (2013)	9,456.35	49.01	0.89		87	Algeria	1,491.61	7.66	0.30	
16	Paraguay	9,003.59	46.66	0.88	●	88	Ecuador	1,474.95	7.57	0.29	
17	Singapore	8,835.40	45.78	0.87		89	Viet Nam	1,383.86	7.10	0.28	
18	France (2013)	8,672.89	44.94	0.86		90	Peru	1,330.74	6.82	0.27	
19	Switzerland (2013)	8,540.27	44.25	0.85		91	Colombia	1,306.86	6.70	0.26	
20	Japan (2013)	8,257.65	42.78	0.84		92	Honduras	956.30	4.88	0.25	
21	Czech Republic (2013)	8,199.33	42.48	0.84		93	El Salvador	931.11	4.75	0.25	
22	Israel (2013)	7,758.06	40.19	0.83		94	India	911.77	4.65	0.24	
23	Slovenia (2013)	7,666.50	39.71	0.82		95	Zambia	841.62	4.28	0.23	
24	Germany (2013)	7,660.85	39.69	0.81		96	Morocco	840.56	4.28	0.22	○
25	Austria (2013)	7,618.89	39.47	0.80		97	Indonesia	793.55	4.03	0.21	
26	Oman	7,558.01	39.15	0.80	●	98	Philippines	754.02	3.83	0.20	
27	Russian Federation	7,450.10	38.59	0.79		99	Bolivia, Plurinational St.	729.62	3.70	0.20	
28	Belgium (2013)	7,430.51	38.49	0.78		100	Namibia	726.99	3.69	0.19	
29	Trinidad and Tobago	6,814.93	35.29	0.77	●	101	Nicaragua	672.95	3.41	0.18	
30	Bulgaria	6,371.96	32.99	0.76		102	Zimbabwe	662.39	3.35	0.17	
31	Denmark (2013)	6,164.17	31.92	0.75		103	Guatemala	624.14	3.15	0.16	
32	Spain (2013)	6,118.66	31.68	0.75		104	Mozambique	601.83	3.04	0.16	
33	Netherlands (2013)	5,879.46	30.44	0.74		105	Sri Lanka	585.39	2.95	0.15	○
34	Ireland (2013)	5,561.90	28.79	0.73		106	Pakistan	536.53	2.70	0.14	
35	United Kingdom (2013)	5,519.52	28.57	0.72		107	Ghana	473.95	2.37	0.13	
36	Cyprus	5,484.88	28.39	0.71		108	Côte d'Ivoire	353.63	1.75	0.12	
37	Malta	5,452.38	28.22	0.70		109	Bangladesh	316.99	1.56	0.11	
38	Kazakhstan	5,432.22	28.12	0.70		110	Cameroon	290.41	1.42	0.11	
39	Hong Kong (China)	5,423.88	28.07	0.69		111	Yemen	275.85	1.35	0.10	
40	Slovakia (2013)	5,216.64	27.00	0.68		112	Angola	269.60	1.31	0.09	
41	Greece (2013)	5,194.15	26.88	0.67		113	Senegal	251.27	1.22	0.08	○
42	Serbia	5,009.83	25.92	0.66		114	Myanmar	203.26	0.97	0.07	
43	South Africa	4,878.56	25.24	0.66		115	Sudan	196.46	0.93	0.07	
44	Portugal (2013)	4,818.80	24.93	0.65		116	Kenya	191.99	0.91	0.06	○
45	Italy (2013)	4,685.36	24.24	0.64		117	Nigeria	170.03	0.80	0.05	
46	Malaysia	4,595.79	23.77	0.63		118	Nepal	129.30	0.58	0.04	○
47	Montenegro	4,587.10	23.73	0.62		119	Botswana	125.00	0.56	0.03	○
48	Ukraine	4,351.02	22.50	0.61		120	Tanzania, United Rep.	121.29	0.54	0.02	○
49	Chile (2013)	4,282.74	22.15	0.61		121	Cambodia	96.44	0.41	0.02	○
50	Poland (2013)	4,255.93	22.01	0.60		122	Ethiopia	73.04	0.29	0.01	○
51	Venezuela, Bolivarian Rep.	4,222.83	21.84	0.59		123	Togo	16.72	0.00	0.00	○
52	China	3,690.51	19.07	0.58		n/a	Barbados	n/a	n/a	n/a	
53	Bosnia and Herzegovina	3,676.76	19.00	0.57		n/a	Bhutan	n/a	n/a	n/a	
54	Lebanon	3,346.73	17.29	0.57		n/a	Burkina Faso	n/a	n/a	n/a	
55	Iran, Islamic Rep.	3,327.35	17.19	0.56		n/a	Burundi	n/a	n/a	n/a	
56	Luxembourg (2013)	3,301.82	17.06	0.55		n/a	Cabo Verde	n/a	n/a	n/a	
57	Argentina	3,280.02	16.94	0.54		n/a	Fiji	n/a	n/a	n/a	
58	Belarus	3,255.71	16.82	0.53		n/a	Gambia	n/a	n/a	n/a	
59	Turkey (2013)	3,179.39	16.42	0.52		n/a	Guinea	n/a	n/a	n/a	
60	Uruguay	3,117.65	16.10	0.52		n/a	Guyana	n/a	n/a	n/a	
61	Hungary (2013)	3,065.22	15.83	0.51		n/a	Lesotho	n/a	n/a	n/a	
62	Latvia	3,038.42	15.69	0.50		n/a	Madagascar	n/a	n/a	n/a	
63	TFYR of Macedonia	2,967.77	15.32	0.49		n/a	Malawi	n/a	n/a	n/a	
64	Romania	2,926.99	15.11	0.48		n/a	Mali	n/a	n/a	n/a	
65	Brazil	2,780.98	14.35	0.48		n/a	Niger	n/a	n/a	n/a	
66	Armenia	2,705.72	13.96	0.47		n/a	Rwanda	n/a	n/a	n/a	
67	Kyrgyzstan	2,703.74	13.95	0.46		n/a	Seychelles	n/a	n/a	n/a	
68	Jordan	2,625.95	13.55	0.45		n/a	Swaziland	n/a	n/a	n/a	
69	Mexico (2013)	2,518.70	12.99	0.44		n/a	Uganda	n/a	n/a	n/a	
70	Thailand	2,494.70	12.86	0.43							
71	Azerbaijan	2,471.83	12.75	0.43							
72	Croatia	2,434.43	12.55	0.42							

SOURCE: International Energy Agency (IEA) Statistics© OECD/IEA, 2014

NOTE: ● indicates a strength; ○ a weakness

3.2.2 Logistics performance

Logistics Performance Index | 2014

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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	Germany	4.12	100.00	1.00	●	73	Venezuela, Bolivarian Rep.	2.81	33.00	0.45	
2	Netherlands	4.05	96.22	0.99	●	74	Guatemala	2.80	32.46	0.44	
3	Belgium	4.04	96.06	0.98	●	75	Paraguay	2.78	31.55	0.43	
4	United Kingdom	4.01	94.53	0.98	●	76	Côte d'Ivoire	2.76	30.65	0.42	●
5	Singapore	4.00	94.01	0.97		77	Rwanda	2.76	30.50	0.42	
6	Sweden	3.96	91.81	0.96	●	78	Bosnia and Herzegovina	2.75	29.92	0.41	
7	Norway	3.96	91.65	0.95	●	79	Cambodia	2.74	29.60	0.40	
8	Luxembourg	3.95	91.06	0.95		80	Lebanon	2.73	28.80	0.39	
9	United States of America	3.92	89.59	0.94		81	Ecuador	2.71	28.05	0.38	
10	Japan	3.91	89.43	0.93		82	Costa Rica	2.70	27.52	0.38	
11	Ireland	3.87	87.05	0.92		83	Kazakhstan	2.70	27.46	0.37	
12	Canada	3.86	86.41	0.92		84	Sri Lanka	2.70	27.25	0.36	
13	France	3.85	85.99	0.91	●	85	Russian Federation	2.69	27.21	0.35	
14	Switzerland	3.84	85.82	0.90		86	Uruguay	2.68	26.40	0.35	
15	Hong Kong (China)	3.83	84.95	0.89		87	Armenia	2.67	26.10	0.34	
16	Australia	3.81	84.13	0.88		88	Namibia	2.66	25.34	0.33	
17	Denmark	3.78	82.69	0.88		89	Moldova, Rep.	2.65	25.11	0.32	
18	Spain	3.72	79.43	0.87		90	Nicaragua	2.65	25.11	0.32	
19	Italy	3.69	78.03	0.86	●	91	Algeria	2.65	24.91	0.31	
20	Korea, Rep.	3.67	76.76	0.85		92	Colombia	2.64	24.41	0.30	
21	Austria	3.65	75.86	0.85		93	Burkina Faso	2.64	24.34	0.29	
22	New Zealand	3.64	75.62	0.84		94	Belarus	2.64	24.33	0.28	
23	Finland	3.62	74.56	0.83		95	Ghana	2.63	23.76	0.28	
24	Malaysia	3.59	72.89	0.82		96	Senegal	2.62	23.52	0.27	
25	Portugal	3.56	71.36	0.82		97	Honduras	2.61	22.77	0.26	
26	United Arab Emirates	3.54	70.28	0.81		98	Ethiopia	2.59	22.06	0.25	
27	China	3.53	69.89	0.80		99	Nepal	2.59	21.77	0.25	
28	Qatar	3.52	69.13	0.79		100	Burundi	2.57	20.64	0.24	
29	Turkey	3.50	68.29	0.78	●	101	Bangladesh	2.56	20.52	0.23	
30	Poland	3.49	67.97	0.78		102	Tunisia	2.55	19.89	0.22	
31	Czech Republic	3.49	67.90	0.77		103	Fiji	2.55	19.58	0.22	
32	Hungary	3.46	66.47	0.76		104	Angola	2.54	19.48	0.21	
33	South Africa	3.43	64.78	0.75		105	Tajikistan	2.53	18.69	0.20	
34	Thailand	3.43	64.69	0.75		106	Mauritius	2.51	18.05	0.19	○
35	Latvia	3.40	63.33	0.74		107	Georgia	2.51	17.67	0.18	○
36	Iceland	3.39	62.77	0.73		108	TFYR of Macedonia	2.50	17.25	0.18	○
37	Slovenia	3.38	62.33	0.72		109	Mali	2.50	17.05	0.17	
38	Estonia	3.35	60.43	0.72		110	Botswana	2.49	16.92	0.16	
39	Israel	3.26	56.07	0.71		111	Bolivia, Plurinational St.	2.48	16.31	0.15	
40	Chile	3.26	55.83	0.70		112	Guinea	2.46	15.46	0.15	
41	Slovakia	3.25	55.77	0.69		113	Zambia	2.46	15.39	0.14	
42	Greece	3.20	53.07	0.68		114	Guyana	2.46	15.21	0.13	
43	Panama	3.19	52.67	0.68		115	Azerbaijan	2.45	14.66	0.12	○
44	Lithuania	3.18	51.88	0.67		116	Uzbekistan	2.39	11.92	0.12	
45	Bulgaria	3.16	50.80	0.66		117	Niger	2.39	11.85	0.11	
46	Viet Nam	3.15	50.68	0.65		118	Madagascar	2.38	11.29	0.10	
47	Saudi Arabia	3.15	50.36	0.65		119	Lesotho	2.37	10.81	0.09	
48	Mexico	3.13	49.33	0.64		120	Mongolia	2.36	9.93	0.08	○
49	Malta	3.11	48.21	0.63		121	Zimbabwe	2.34	9.09	0.08	
50	Bahrain	3.08	47.02	0.62		122	Tanzania, United Rep.	2.33	8.66	0.07	○
51	Indonesia	3.08	46.96	0.62		123	Togo	2.32	8.03	0.06	
52	India	3.08	46.87	0.61		124	Cameroon	2.30	6.92	0.05	○
53	Croatia	3.05	45.49	0.60		125	Bhutan	2.29	6.59	0.05	○
54	Kuwait	3.01	43.36	0.59		126	Myanmar	2.25	4.54	0.04	
55	Philippines	3.00	42.98	0.58		127	Gambia	2.25	4.49	0.03	○
56	Cyprus	3.00	42.82	0.58		128	Mozambique	2.23	3.47	0.02	○
57	Oman	3.00	42.53	0.57		129	Kyrgyzstan	2.21	2.47	0.02	○
58	Argentina	2.99	42.10	0.56		130	Yemen	2.18	1.17	0.01	○
59	Ukraine	2.98	41.58	0.55		131	Sudan	2.16	0.00	0.00	○
60	Egypt	2.97	41.05	0.55		n/a	Albania	n/a	n/a	n/a	
61	Serbia	2.96	40.88	0.54		n/a	Barbados	n/a	n/a	n/a	
62	El Salvador	2.96	40.77	0.53		n/a	Cabo Verde	n/a	n/a	n/a	
63	Brazil	2.94	39.93	0.52		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
64	Montenegro	2.88	36.44	0.52		n/a	Morocco	n/a	n/a	n/a	
65	Jordan	2.87	36.36	0.51		n/a	Romania	n/a	n/a	n/a	
66	Dominican Republic	2.86	35.67	0.50		n/a	Seychelles	n/a	n/a	n/a	
67	Jamaica	2.84	34.75	0.49		n/a	Swaziland	n/a	n/a	n/a	
68	Peru	2.84	34.66	0.48		n/a	Trinidad and Tobago	n/a	n/a	n/a	
69	Pakistan	2.83	33.88	0.48		n/a	Uganda	n/a	n/a	n/a	
70	Malawi	2.81	33.25	0.47							
71	Kenya	2.81	33.20	0.46							
72	Nigeria	2.81	33.03	0.45							

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

THE GLOBAL INNOVATION INDEX 2015

3.2.3 Gross capital formation

Gross capital formation (% of GDP) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Mongolia	54.31	100.00	1.00	●	73	Switzerland	21.15	28.14	0.48	○
2	Bhutan	51.53	93.97	0.99	●	74	Austria	20.92	27.65	0.47	○
3	Mozambique	50.09	90.85	0.99	●	75	Finland	20.91	27.61	0.47	○
4	China	47.68	85.63	0.98	●	76	Bolivia, Plurinational St.	20.77	27.31	0.46	
5	Niger	46.40	82.86	0.97	●	77	Togo	20.76	27.30	0.45	●
6	Iran, Islamic Rep.	43.04	75.56	0.96	●	78	Serbia	20.70	27.16	0.45	
7	Cabo Verde	39.40	67.68	0.96	●	79	Poland	20.62	26.99	0.44	
8	Belarus	37.74	64.10	0.95	●	80	Tunisia	20.56	26.86	0.43	
9	Algeria	37.66	63.90	0.94	●	81	Russian Federation	20.46	26.64	0.42	
10	Seychelles	35.97	60.26	0.94	●	82	Belgium	20.27	26.23	0.42	○
11	Lesotho	35.62	59.50	0.93	●	83	Cameroon	20.21	26.10	0.41	
12	Morocco	34.32	56.68	0.92	●	84	Slovenia	20.09	25.85	0.40	
13	Indonesia	33.40	54.69	0.91	●	85	Turkey	19.87	25.37	0.40	
14	India	32.17	52.01	0.91	●	86	Malawi	19.87	25.37	0.39	
15	Sri Lanka	31.97	51.58	0.90	●	87	Venezuela, Bolivarian Rep.	19.85	25.33	0.38	
16	Botswana	31.88	51.39	0.89	●	88	Bosnia and Herzegovina	19.82	25.26	0.37	
17	Zambia	31.86	51.34	0.88	●	89	United States of America	19.75	25.12	0.37	○
18	Tanzania, United Rep.	31.55	50.67	0.88	●	90	Guyana	19.66	24.92	0.36	
19	Uzbekistan	30.85	49.16	0.87	●	91	Burundi	19.65	24.88	0.35	
20	Saudi Arabia	30.75	48.94	0.86	●	92	Montenegro	19.62	24.83	0.35	
21	Ethiopia	30.10	47.54	0.86	●	93	Lithuania	19.60	24.79	0.34	
22	Panama	29.80	46.89	0.85	●	94	Fiji	19.59	24.76	0.33	
23	Singapore	29.23	45.65	0.84		95	Kenya	19.57	24.71	0.32	
24	Bangladesh	29.19	45.56	0.83	●	96	Israel	19.52	24.61	0.32	○
25	Estonia	29.10	45.37	0.83		97	South Africa	19.36	24.26	0.31	
26	Qatar	28.97	45.09	0.82		98	Sweden	19.19	23.91	0.30	○
27	Korea, Rep.	28.91	44.96	0.81		99	Philippines	19.14	23.78	0.29	
28	Nepal	28.88	44.90	0.81	●	100	Croatia	19.12	23.75	0.29	○
29	Ecuador	28.50	44.07	0.80	●	101	Nicaragua	18.99	23.46	0.28	
30	Oman	28.40	43.85	0.79	●	102	Bahrain	18.87	23.21	0.27	
31	Kazakhstan	28.37	43.79	0.78	●	103	Hungary	18.82	23.10	0.27	○
32	Peru	27.76	42.47	0.78	●	104	Côte d'Ivoire	18.81	23.07	0.26	
33	Senegal	27.42	41.72	0.77	●	105	Luxembourg	18.75	22.95	0.25	○
34	Namibia	27.31	41.49	0.76	●	106	Slovakia	18.58	22.58	0.24	○
35	Kyrgyzstan	27.17	41.19	0.76	●	107	Jamaica	18.47	22.33	0.24	○
36	Thailand	26.99	40.79	0.75		108	Netherlands	18.12	21.57	0.23	○
37	Australia	26.91	40.63	0.74		109	Burkina Faso	18.04	21.41	0.22	
38	Norway	26.83	40.45	0.73		110	Spain	18.01	21.34	0.22	○
39	Malaysia	26.74	40.25	0.73		111	Argentina	17.96	21.24	0.21	
40	Georgia	25.95	38.54	0.72		112	Germany	17.70	20.67	0.20	○
41	Mali	25.60	37.78	0.71	●	113	Sudan	17.50	20.24	0.19	
42	Uganda	25.44	37.43	0.71	●	114	Italy	17.40	20.02	0.19	○
43	Viet Nam	25.22	36.96	0.70		115	Denmark	17.32	19.84	0.18	○
44	Colombia	24.98	36.44	0.69		116	Brazil	17.03	19.22	0.17	○
45	Albania	24.92	36.31	0.68		117	Malta	16.90	18.92	0.17	○
46	Honduras	24.80	36.04	0.68	●	118	Ireland	16.43	17.92	0.16	○
47	Myanmar	24.72	35.88	0.67	●	119	Paraguay	15.73	16.40	0.15	
48	Ghana	24.58	35.58	0.66	●	120	Portugal	15.70	16.34	0.14	○
49	Lebanon	24.47	35.34	0.65		121	Madagascar	15.58	16.07	0.14	
50	Rwanda	23.93	34.16	0.65		122	United Kingdom	15.05	14.92	0.13	○
51	Canada	23.84	33.97	0.64		123	Nigeria	14.99	14.79	0.12	
52	Hong Kong (China)	23.75	33.77	0.63		124	El Salvador	14.80	14.38	0.12	○
53	Azerbaijan	23.54	33.32	0.63		125	Angola	14.76	14.30	0.11	
54	Bulgaria	23.49	33.20	0.62		126	Egypt	14.48	13.68	0.10	○
55	Mauritius	23.19	32.57	0.61		127	Barbados	14.46	13.64	0.09	○
56	Uruguay	23.06	32.27	0.60		128	Iceland	14.38	13.48	0.09	○
57	Moldova, Rep.	22.69	31.47	0.60		129	Guatemala	14.26	13.22	0.08	
58	Latvia	22.53	31.13	0.59		130	Pakistan	13.99	12.63	0.07	○
59	Romania	22.51	31.09	0.58		131	Trinidad and Tobago	13.99	12.62	0.06	○
60	Czech Republic	22.41	30.87	0.58		132	Kuwait	13.92	12.48	0.06	○
61	Dominican Republic	22.37	30.78	0.57	●	133	Greece	13.80	12.21	0.05	○
62	Armenia	22.36	30.77	0.56		134	Zimbabwe	13.70	12.01	0.04	
63	United Arab Emirates	22.34	30.72	0.55		135	Guinea	12.92	10.31	0.04	
64	Chile	22.19	30.39	0.55		136	Tajikistan	12.64	9.70	0.03	○
65	Japan	22.15	30.32	0.54		137	Swaziland	11.49	7.22	0.02	○
66	New Zealand	22.13	30.27	0.53		138	Cyprus	9.70	3.33	0.01	○
67	France	22.11	30.22	0.53	○	139	Yemen	8.35	0.41	0.01	○
68	Costa Rica	21.93	29.83	0.52		140	Ukraine	8.16	0.00	0.00	○
69	Mexico	21.86	29.69	0.51		n/a	TFYR of Macedonia	n/a	n/a	n/a	
70	Jordan	21.67	29.27	0.50							
71	Cambodia	21.50	28.90	0.50	●						
72	Gambia	21.41	28.70	0.49	●						

SOURCE: International Monetary Fund, *World Economic Outlook Database*, 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	Hong Kong (China)	21.74	100.00	1.00	●	73	Jamaica	6.80	29.97	0.41	
2	Colombia	15.63	71.33	0.99	●	74	Cambodia	6.76	29.75	0.40	
3	Malta	14.49	66.02	0.98	●	75	Sudan	6.71	29.54	0.39	●
4	Peru	14.29	65.05	0.97	●	76	TFYR of Macedonia	6.62	29.12	0.38	
4	Sri Lanka	14.29	65.05	0.97	●	76	United States of America (2013)	6.62	29.12	0.38	○
6	Mauritius	13.89	63.19	0.96	●	78	Qatar	6.54	28.72	0.37	
7	Panama	13.51	61.43	0.94	●	79	Armenia	6.49	28.52	0.36	
7	Singapore	13.51	61.43	0.94	●	80	Belgium (2013)	6.49	28.52	0.35	○
9	Dominican Republic	13.33	60.59	0.93	●	81	Senegal	6.45	28.32	0.34	
10	Albania	12.35	55.96	0.91	●	82	New Zealand (2013)	6.41	28.13	0.33	○
10	Ireland (2013)	12.35	55.96	0.91	●	82	Saudi Arabia	6.41	28.13	0.33	
10	Yemen	12.35	55.96	0.91	●	84	Thailand	6.41	28.13	0.32	
13	Philippines	12.20	55.25	0.90	●	85	Montenegro	6.21	27.19	0.31	○
14	Switzerland (2013)	12.05	54.56	0.89	●	86	Bolivia, Plurinational St.	6.21	27.19	0.30	
15	Botswana	11.90	53.89	0.88	●	87	Honduras	6.17	27.01	0.30	
15	Costa Rica	11.90	53.89	0.88	●	88	Venezuela, Bolivarian Rep.	6.17	27.01	0.29	
17	Uruguay	11.76	53.23	0.87	●	89	Nigeria	6.13	26.84	0.28	
18	Namibia	11.36	51.35	0.86	●	90	Myanmar	6.13	26.84	0.27	●
19	United Kingdom (2013)	11.11	50.17	0.85	●	91	Czech Republic (2013)	5.99	26.15	0.25	○
20	Morocco	10.75	48.49	0.84	●	91	Viet Nam	5.99	26.15	0.25	
21	Tunisia	10.31	46.41	0.84	●	93	Korea, Rep. (2013)	5.49	23.83	0.25	○
22	Denmark (2013)	10.31	46.41	0.82		94	Canada (2013)	5.24	22.62	0.22	○
22	Spain (2013)	10.31	46.41	0.82		94	Finland (2013)	5.24	22.62	0.22	○
24	Italy (2013)	10.20	45.92	0.81		94	Mongolia	5.24	22.62	0.22	
25	Portugal (2013)	9.90	44.49	0.80		97	Nepal	5.15	22.24	0.21	
26	Bangladesh	9.80	44.04	0.79	●	98	Oman	5.00	21.51	0.20	
26	Egypt	9.80	44.04	0.79	●	99	Bulgaria	4.85	20.83	0.20	○
28	Azerbaijan	9.62	43.16	0.78	●	100	Serbia	4.83	20.72	0.19	○
29	Angola	9.52	42.73	0.75	●	101	Iran, Islamic Rep.	4.81	20.61	0.18	
29	Ecuador	9.52	42.73	0.75	●	102	Belarus	4.67	19.98	0.17	○
29	El Salvador	9.52	42.73	0.75	●	103	China	4.48	19.10	0.16	○
29	Israel (2013)	9.52	42.73	0.75	●	104	Estonia (2013)	4.33	18.37	0.16	○
33	Algeria	9.43	42.30	0.73	●	105	Kazakhstan	4.29	18.19	0.15	○
33	Greece (2013)	9.43	42.30	0.73		106	Bosnia and Herzegovina	4.24	17.94	0.14	○
35	Austria (2013)	9.26	41.49	0.72		107	Zambia	4.13	17.45	0.13	
36	Cyprus	9.17	41.09	0.70		108	Moldova, Rep.	4.02	16.90	0.12	○
36	Germany (2013)	9.17	41.09	0.70		109	South Africa	3.98	16.75	0.11	○
38	Indonesia	9.09	40.70	0.69	●	110	Kenya	3.95	16.60	0.11	○
38	Turkey (2013)	9.09	40.70	0.69		111	Côte d'Ivoire	3.85	16.10	0.10	○
40	Lebanon	9.09	40.70	0.68		112	Bahrain	3.79	15.83	0.09	○
41	Brazil	9.01	40.31	0.67		113	Kyrgyzstan	3.45	14.24	0.08	
42	Japan (2013)	8.93	39.93	0.66		114	Tanzania, United Rep.	3.09	12.54	0.07	
43	Luxembourg (2013)	8.93	39.93	0.66		115	Russian Federation	2.88	11.58	0.07	○
44	Mexico (2013)	8.70	38.84	0.65		116	Ukraine	2.76	11.02	0.06	○
45	Croatia	8.62	38.49	0.63		117	Uzbekistan	2.58	10.19	0.05	○
45	Paraguay	8.62	38.49	0.63	●	118	Togo	2.44	9.51	0.04	○
47	Guatemala	8.47	37.81	0.62		119	Ethiopia	2.19	8.33	0.03	○
48	Jordan	8.40	37.47	0.61		120	Mozambique	2.09	7.88	0.02	○
49	Argentina	8.20	36.50	0.61		121	Iceland (2013)	2.07	7.80	0.02	○
50	Pakistan	8.13	36.19	0.60	●	122	Trinidad and Tobago	1.81	6.53	0.01	○
51	Ghana	8.13	36.19	0.59	●	123	Zimbabwe	0.41	0.00	0.00	○
52	Netherlands (2013)	7.87	34.99	0.58	○	n/a	Barbados	n/a	n/a	n/a	
53	France (2013)	7.75	34.42	0.57		n/a	Bhutan	n/a	n/a	n/a	
54	Lithuania	7.63	33.86	0.57		n/a	Burkina Faso	n/a	n/a	n/a	
55	Slovenia (2013)	7.58	33.59	0.56		n/a	Burundi	n/a	n/a	n/a	
56	Chile (2013)	7.52	33.32	0.55		n/a	Cabo Verde	n/a	n/a	n/a	
57	Hungary (2013)	7.46	33.06	0.54		n/a	Fiji	n/a	n/a	n/a	
58	Poland (2013)	7.41	32.80	0.53		n/a	Gambia	n/a	n/a	n/a	
59	Norway (2013)	7.30	32.30	0.52	○	n/a	Guinea	n/a	n/a	n/a	
59	Tajikistan	7.30	32.30	0.52	●	n/a	Guyana	n/a	n/a	n/a	
61	Georgia	7.25	32.05	0.50		n/a	Lesotho	n/a	n/a	n/a	
61	Latvia	7.25	32.05	0.50		n/a	Madagascar	n/a	n/a	n/a	
63	Kuwait	7.04	31.09	0.48		n/a	Malawi	n/a	n/a	n/a	
63	Sweden (2013)	7.04	31.09	0.48	○	n/a	Mali	n/a	n/a	n/a	
65	Cameroon	7.04	31.09	0.46	●	n/a	Niger	n/a	n/a	n/a	
65	India	7.04	31.09	0.46		n/a	Rwanda	n/a	n/a	n/a	
65	Malaysia	7.04	31.09	0.46		n/a	Seychelles	n/a	n/a	n/a	
68	United Arab Emirates	6.94	30.63	0.45		n/a	Swaziland	n/a	n/a	n/a	
69	Australia (2013)	6.90	30.41	0.44	○	n/a	Uganda	n/a	n/a	n/a	
70	Nicaragua	6.85	30.19	0.43							
70	Slovakia (2013)	6.85	30.19	0.43							
72	Romania	6.85	30.19	0.42							

SOURCE: International Energy Agency (IEA) Statistics© OECD/IEA, 2014

NOTE: ● indicates a strength; ○ a weakness

3.3.2 Environmental performance

Environmental Performance Index | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Switzerland	87.67	87.67	1.00	●	73	Bahrain	51.83	51.83	0.48	
2	Luxembourg	83.29	83.29	0.99	●	74	Iran, Islamic Rep.	51.08	51.08	0.47	
3	Australia	82.40	82.40	0.99	●	75	Kazakhstan	51.07	51.07	0.46	
4	Singapore	81.78	81.78	0.98	●	76	Colombia	50.77	50.77	0.46	
5	Czech Republic	81.47	81.47	0.97	●	77	Romania	50.52	50.52	0.45	
6	Germany	80.47	80.47	0.96	●	78	Bolivia, Plurinational St.	50.48	50.48	0.44	
7	Spain	79.79	79.79	0.96	●	79	TFYR of Macedonia	50.41	50.41	0.43	
8	Austria	78.32	78.32	0.95	●	80	Nicaragua	50.32	50.32	0.43	
9	Sweden	78.09	78.09	0.94		81	Lebanon	50.15	50.15	0.42	
10	Norway	78.04	78.04	0.93		82	Algeria	50.08	50.08	0.41	
11	Netherlands	77.75	77.75	0.93		83	Argentina	49.55	49.55	0.41	
12	United Kingdom	77.35	77.35	0.92		84	Zimbabwe	49.54	49.54	0.40	
13	Denmark	76.92	76.92	0.91		85	Ukraine	49.01	49.01	0.39	
14	Iceland	76.50	76.50	0.91		86	Honduras	48.87	48.87	0.38	
15	Slovenia	76.43	76.43	0.90		87	Guatemala	48.06	48.06	0.38	
16	New Zealand	76.41	76.41	0.89		88	Oman	47.75	47.75	0.37	
17	Portugal	75.80	75.80	0.88	●	89	Botswana	47.60	47.60	0.36	
18	Finland	75.72	75.72	0.88		90	Georgia	47.23	47.23	0.36	
19	Ireland	74.67	74.67	0.87		91	Bhutan	46.86	46.86	0.35	
20	Estonia	74.66	74.66	0.86		92	Bosnia and Herzegovina	45.79	45.79	0.34	
21	Slovakia	74.45	74.45	0.86	●	93	Barbados	45.50	45.50	0.33	
22	Italy	74.36	74.36	0.85	●	94	Peru	45.05	45.05	0.33	
23	Greece	73.28	73.28	0.84	●	95	Mongolia	44.67	44.67	0.32	
24	Canada	73.14	73.14	0.83		96	Indonesia	44.36	44.36	0.31	
25	United Arab Emirates	72.91	72.91	0.83		97	Cabo Verde	44.07	44.07	0.30	
26	Japan	72.35	72.35	0.82		98	Philippines	44.02	44.02	0.30	
27	France	71.05	71.05	0.81		99	El Salvador	43.79	43.79	0.29	
28	Hungary	70.28	70.28	0.80		100	Namibia	43.71	43.71	0.28	
29	Chile	69.93	69.93	0.80		101	Uzbekistan	43.23	43.23	0.28	
30	Poland	69.53	69.53	0.79		102	China	43.00	43.00	0.27	
31	Serbia	69.13	69.13	0.78		103	Zambia	41.72	41.72	0.26	
32	Belarus	67.69	67.69	0.78		104	Senegal	40.83	40.83	0.25	
33	United States of America	67.52	67.52	0.77		105	Kyrgyzstan	40.63	40.63	0.25	
34	Malta	67.42	67.42	0.76		106	Burkina Faso	40.52	40.52	0.24	
35	Saudi Arabia	66.66	66.66	0.75		107	Malawi	40.06	40.06	0.23	
36	Belgium	66.61	66.61	0.75		108	Côte d'Ivoire	39.72	39.72	0.22	
37	Cyprus	66.23	66.23	0.74		109	Ethiopia	39.43	39.43	0.22	
38	Israel	65.78	65.78	0.73		110	Paraguay	39.25	39.25	0.21	
39	Latvia	64.05	64.05	0.72		111	Nigeria	39.20	39.20	0.20	
40	Bulgaria	64.01	64.01	0.72		112	Uganda	39.18	39.18	0.20	
41	Kuwait	63.94	63.94	0.71	●	113	Viet Nam	38.17	38.17	0.19	○
42	Korea, Rep.	63.79	63.79	0.70		114	Guyana	38.07	38.07	0.18	
43	Qatar	63.03	63.03	0.70		115	Swaziland	37.35	37.35	0.17	
44	Croatia	62.23	62.23	0.69		116	Nepal	37.00	37.00	0.17	
45	Armenia	61.67	61.67	0.68		117	Kenya	36.99	36.99	0.16	
46	Lithuania	61.26	61.26	0.67		118	Cameroon	36.68	36.68	0.15	
47	Egypt	61.11	61.11	0.67	●	119	Niger	36.28	36.28	0.14	
48	Malaysia	59.31	59.31	0.66		120	Tanzania, United Rep.	36.19	36.19	0.14	
49	Tunisia	58.99	58.99	0.65		121	Cambodia	35.44	35.44	0.13	
50	Ecuador	58.54	58.54	0.64	●	122	Rwanda	35.41	35.41	0.12	
51	Costa Rica	58.53	58.53	0.64		123	Pakistan	34.58	34.58	0.12	
52	Jamaica	58.26	58.26	0.63	●	124	Ghana	32.07	32.07	0.11	
53	Mauritius	58.09	58.09	0.62		125	Tajikistan	31.34	31.34	0.10	
54	Panama	56.84	56.84	0.62		126	India	31.23	31.23	0.09	○
55	Jordan	55.78	55.78	0.61		127	Yemen	30.16	30.16	0.09	
56	Seychelles	55.56	55.56	0.60		128	Mozambique	29.97	29.97	0.08	
57	Montenegro	55.52	55.52	0.59		129	Gambia	29.30	29.30	0.07	
58	Azerbaijan	55.47	55.47	0.59		130	Angola	28.69	28.69	0.07	
59	Mexico	55.03	55.03	0.58		131	Guinea	28.03	28.03	0.06	
60	Turkey	54.91	54.91	0.57		132	Togo	27.91	27.91	0.05	○
61	Albania	54.73	54.73	0.57		133	Myanmar	27.44	27.44	0.04	
62	Sri Lanka	53.88	53.88	0.56		134	Madagascar	26.70	26.70	0.04	○
63	Uruguay	53.61	53.61	0.55		135	Burundi	25.78	25.78	0.03	○
64	South Africa	53.51	53.51	0.54		136	Bangladesh	25.61	25.61	0.02	○
65	Russian Federation	53.45	53.45	0.54		137	Sudan	24.64	24.64	0.01	○
66	Moldova, Rep.	53.36	53.36	0.53		138	Lesotho	20.81	20.81	0.01	○
67	Dominican Republic	53.24	53.24	0.52		139	Mali	18.43	18.43	0.00	○
68	Fiji	53.08	53.08	0.51		n/a	Hong Kong (China)	n/a	n/a	n/a	
69	Brazil	52.97	52.97	0.51		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
70	Thailand	52.83	52.83	0.50							
71	Trinidad and Tobago	52.28	52.28	0.49							
72	Morocco	51.89	51.89	0.49							

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) | 2013

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Czech Republic	15.77	100.00	0.99	●	73	Swaziland	0.72	5.61	0.47	●
1	Estonia	12.79	100.00	0.99	●	74	Mauritius	0.63	4.91	0.47	
1	Romania	23.24	100.00	0.99	●	75	Indonesia	0.62	4.85	0.46	
4	Italy	11.71	91.54	0.98	●	76	Fiji	0.58	4.53	0.45	
5	Bulgaria	11.01	86.09	0.97	●	77	Mozambique	0.56	4.38	0.45	
6	Spain	10.54	82.40	0.96	●	78	Iran, Islamic Rep.	0.55	4.29	0.44	
7	Slovakia	9.84	76.89	0.96	●	79	Mexico	0.52	4.05	0.43	
8	Croatia	9.46	73.91	0.95	●	80	Jordan	0.51	4.01	0.42	
9	Sweden	8.53	66.68	0.94		81	Oman	0.51	3.97	0.42	
10	Lithuania	8.51	66.53	0.93	●	82	Ukraine	0.50	3.91	0.41	
11	Hungary	8.34	65.22	0.93	●	83	Namibia	0.50	3.90	0.40	
12	Slovenia	7.97	62.32	0.92	●	84	Moldova, Rep.	0.48	3.75	0.39	
13	Serbia	7.95	62.14	0.91	●	85	Malawi	0.47	3.66	0.39	
14	United Kingdom	6.89	53.86	0.91		86	Jamaica	0.47	3.64	0.38	
15	Switzerland	6.55	51.20	0.90		87	Lebanon	0.43	3.39	0.37	
16	Finland	6.52	50.96	0.89		88	Belarus	0.41	3.23	0.36	
17	China	6.48	50.62	0.88		89	Kenya	0.41	3.22	0.36	
18	Latvia	6.38	49.87	0.88	●	90	Azerbaijan	0.41	3.21	0.35	
19	Japan	5.06	39.58	0.87		91	Kazakhstan	0.38	2.98	0.34	
20	TFYR of Macedonia	4.99	39.03	0.86	●	92	Morocco	0.38	2.98	0.34	
21	Portugal	4.84	37.85	0.85		93	Honduras	0.37	2.93	0.33	
22	Tajikistan	4.66	36.40	0.85	●	94	Zambia	0.37	2.88	0.32	
23	Colombia	4.62	36.09	0.84	●	95	Russian Federation	0.36	2.85	0.31	
24	Singapore	4.30	33.61	0.83		96	United States of America	0.36	2.83	0.31	○
25	Bosnia and Herzegovina	3.79	29.61	0.82	●	97	Nicaragua	0.36	2.81	0.30	
26	Greece	3.69	28.82	0.82		98	Kuwait	0.34	2.63	0.29	
27	Denmark	3.33	26.06	0.81		99	Pakistan	0.33	2.57	0.28	
28	Ireland	3.27	25.58	0.80		100	Cabo Verde	0.31	2.44	0.28	
29	Thailand	3.27	25.53	0.80		101	Tanzania, United Rep.	0.31	2.41	0.27	
30	Malaysia	3.24	25.29	0.79		102	Senegal	0.28	2.22	0.26	
31	Australia	3.18	24.83	0.78		103	Botswana	0.28	2.22	0.26	
32	Norway	3.15	24.59	0.77		104	Trinidad and Tobago	0.28	2.22	0.25	
33	France	3.13	24.49	0.77		105	Panama	0.27	2.09	0.24	
34	Netherlands	3.10	24.23	0.76		106	El Salvador	0.26	2.06	0.23	
35	Israel	2.87	22.46	0.75		107	Uganda	0.26	2.05	0.23	
36	Korea, Rep.	2.78	21.74	0.74		108	Paraguay	0.25	1.99	0.22	
37	Iceland	2.76	21.58	0.74		109	Dominican Republic	0.25	1.97	0.21	
38	Austria	2.75	21.51	0.73		110	Georgia	0.25	1.94	0.20	
39	Montenegro	2.63	20.57	0.72		111	Niger	0.24	1.89	0.20	
40	Malta	2.60	20.34	0.72		112	Côte d'Ivoire	0.21	1.68	0.19	
41	Chile	2.49	19.47	0.71		113	Togo	0.21	1.64	0.18	
42	Belgium	2.45	19.19	0.70		114	Guinea	0.20	1.60	0.18	
43	Poland	2.44	19.05	0.69		115	Algeria	0.19	1.51	0.17	
44	Germany	2.21	17.28	0.69		116	Saudi Arabia	0.19	1.47	0.16	○
45	Cyprus	2.06	16.12	0.68		117	Ghana	0.18	1.37	0.15	
46	Uruguay	1.98	15.46	0.67		118	Cameroon	0.17	1.36	0.15	
47	United Arab Emirates	1.96	15.33	0.66		119	Cambodia	0.17	1.36	0.14	
48	Viet Nam	1.90	14.86	0.66		120	Armenia	0.17	1.35	0.13	○
49	New Zealand	1.84	14.38	0.65		121	Venezuela, Bolivarian Rep.	0.15	1.20	0.12	
50	Luxembourg	1.81	14.13	0.64		122	Guatemala	0.13	1.04	0.12	
51	Hong Kong (China)	1.80	14.04	0.64		123	Nepal	0.13	1.00	0.11	
52	Tunisia	1.65	12.93	0.63		124	Rwanda	0.12	0.90	0.10	
53	Argentina	1.41	11.00	0.62		125	Bangladesh	0.11	0.90	0.09	
54	South Africa	1.31	10.22	0.61		126	Burkina Faso	0.11	0.84	0.09	
55	Seychelles	1.30	10.18	0.61		127	Mongolia	0.09	0.74	0.08	○
56	Zimbabwe	1.23	9.65	0.60	●	128	Sudan	0.09	0.72	0.07	
57	Turkey	1.20	9.38	0.59		129	Uzbekistan	0.09	0.70	0.07	○
58	Costa Rica	1.18	9.25	0.58		130	Madagascar	0.06	0.48	0.06	
59	Ecuador	1.17	9.17	0.58		131	Angola	0.06	0.47	0.05	
60	Canada	1.16	9.07	0.57		132	Kyrgyzstan	0.05	0.43	0.04	○
61	Brazil	1.15	8.99	0.56		133	Nigeria	0.05	0.39	0.04	○
62	Barbados	1.12	8.75	0.55		134	Mali	0.04	0.31	0.03	○
63	Albania	1.12	8.72	0.55		135	Ethiopia	0.04	0.30	0.02	○
64	Bahrain	1.12	8.72	0.54		136	Myanmar	0.03	0.25	0.01	
65	Peru	0.96	7.52	0.53		137	Yemen	0.01	0.08	0.01	○
66	Philippines	0.95	7.43	0.53		138	Guyana	0.00	0.00	0.00	○
67	Sri Lanka	0.93	7.25	0.52		n/a	Burundi	n/a	n/a	n/a	
68	Bhutan	0.92	7.20	0.51		n/a	Gambia	n/a	n/a	n/a	
69	Egypt	0.92	7.16	0.50		n/a	Lesotho	n/a	n/a	n/a	
70	India	0.87	6.77	0.50							
71	Bolivia, Plurinational St.	0.81	6.33	0.49							
72	Qatar	0.78	6.09	0.48							

SOURCE: International Organization for Standardization, *The ISO Survey of Certifications* 2013; International Monetary Fund World Economic Outlook 2015 (PPP\$ GDP)

NOTE: ● indicates a strength; ○ a weakness

4.1.1

Ease of getting credit

Ease of getting credit (distance to frontier) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	New Zealand	100.00	100.00	1.00	●	65	Greece	50.00	50.00	0.44	
2	Colombia	95.00	95.00	0.99	●	65	Indonesia	50.00	50.00	0.44	
2	United States of America	95.00	95.00	0.99	●	65	Japan	50.00	50.00	0.44	
4	Australia	90.00	90.00	0.96	●	65	Kazakhstan	50.00	50.00	0.44	
4	Montenegro	90.00	90.00	0.96	●	65	Netherlands	50.00	50.00	0.44	○
4	Rwanda	90.00	90.00	0.96	●	65	Paraguay	50.00	50.00	0.44	
7	Canada	85.00	85.00	0.94		65	Saudi Arabia	50.00	50.00	0.44	
7	Georgia	85.00	85.00	0.94	●	80	Belgium	45.00	45.00	0.35	○
7	Honduras	85.00	85.00	0.94	●	80	Brazil	45.00	45.00	0.35	
7	Romania	85.00	85.00	0.94	●	80	Costa Rica	45.00	45.00	0.35	
11	Cambodia	80.00	80.00	0.90	●	80	Dominican Republic	45.00	45.00	0.35	
11	Guatemala	80.00	80.00	0.90	●	80	Ecuador	45.00	45.00	0.35	
11	Jamaica	80.00	80.00	0.90	●	80	Iran, Islamic Rep.	45.00	45.00	0.35	
11	Mexico	80.00	80.00	0.90	●	80	Italy	45.00	45.00	0.35	○
11	Peru	80.00	80.00	0.90	●	80	Nicaragua	45.00	45.00	0.35	
16	Hungary	75.00	75.00	0.86	●	80	Portugal	45.00	45.00	0.35	○
16	Panama	75.00	75.00	0.86	●	80	Sri Lanka	45.00	45.00	0.35	
16	Poland	75.00	75.00	0.86	●	80	Thailand	45.00	45.00	0.35	
16	Singapore	75.00	75.00	0.86		80	Turkey	45.00	45.00	0.35	
16	Ukraine	75.00	75.00	0.86	●	80	United Arab Emirates	45.00	45.00	0.35	
16	United Kingdom	75.00	75.00	0.86		93	Azerbaijan	40.00	40.00	0.29	
22	Bulgaria	70.00	70.00	0.77		93	Bahrain	40.00	40.00	0.29	
22	Czech Republic	70.00	70.00	0.77		93	Belarus	40.00	40.00	0.29	
22	Denmark	70.00	70.00	0.77		93	Cabo Verde	40.00	40.00	0.29	
22	Estonia	70.00	70.00	0.77		93	Morocco	40.00	40.00	0.29	
22	Germany	70.00	70.00	0.77		93	Philippines	40.00	40.00	0.29	
22	Hong Kong (China)	70.00	70.00	0.77		93	Uzbekistan	40.00	40.00	0.29	
22	Ireland	70.00	70.00	0.77		93	Venezuela, Bolivarian Rep.	40.00	40.00	0.29	
22	Latvia	70.00	70.00	0.77		93	Zimbabwe	40.00	40.00	0.29	
22	Lithuania	70.00	70.00	0.77		102	Barbados	35.00	35.00	0.21	○
22	Malaysia	70.00	70.00	0.77		102	Bolivia, Plurinational St.	35.00	35.00	0.21	
22	Moldova, Rep.	70.00	70.00	0.77		102	Cameroon	35.00	35.00	0.21	
22	Zambia	70.00	70.00	0.77	●	102	Kenya	35.00	35.00	0.21	
34	Albania	65.00	65.00	0.67		102	Kuwait	35.00	35.00	0.21	
34	Armenia	65.00	65.00	0.67		102	Lebanon	35.00	35.00	0.21	
34	Bosnia and Herzegovina	65.00	65.00	0.67		102	Nepal	35.00	35.00	0.21	
34	Finland	65.00	65.00	0.67		102	Oman	35.00	35.00	0.21	
34	Ghana	65.00	65.00	0.67	●	102	Slovenia	35.00	35.00	0.21	○
34	India	65.00	65.00	0.67		102	Tajikistan	35.00	35.00	0.21	
34	Israel	65.00	65.00	0.67		102	Tunisia	35.00	35.00	0.21	
34	Korea, Rep.	65.00	65.00	0.67		113	Bangladesh	30.00	30.00	0.12	
34	Kyrgyzstan	65.00	65.00	0.67	●	113	Burkina Faso	30.00	30.00	0.12	
34	Mauritius	65.00	65.00	0.67		113	Côte d'Ivoire	30.00	30.00	0.12	
34	Slovakia	65.00	65.00	0.67		113	Guinea	30.00	30.00	0.12	
34	TFYR of Macedonia	65.00	65.00	0.67		113	Mali	30.00	30.00	0.12	
34	Trinidad and Tobago	65.00	65.00	0.67	●	113	Mozambique	30.00	30.00	0.12	
34	Viet Nam	65.00	65.00	0.67		113	Niger	30.00	30.00	0.12	
48	Austria	60.00	60.00	0.61		113	Pakistan	30.00	30.00	0.12	
48	Iceland	60.00	60.00	0.61		113	Qatar	30.00	30.00	0.12	○
48	Nigeria	60.00	60.00	0.61	●	113	Senegal	30.00	30.00	0.12	
48	Serbia	60.00	60.00	0.61		113	Togo	30.00	30.00	0.12	
48	South Africa	60.00	60.00	0.61		113	Uganda	30.00	30.00	0.12	
48	Spain	60.00	60.00	0.61		125	Lesotho	25.00	25.00	0.10	
48	Switzerland	60.00	60.00	0.61	○	125	Malawi	25.00	25.00	0.10	○
48	Uruguay	60.00	60.00	0.61		125	Tanzania, United Rep.	25.00	25.00	0.10	
56	Botswana	55.00	55.00	0.55		128	Gambia	20.00	20.00	0.09	
56	Croatia	55.00	55.00	0.55		129	Ethiopia	15.00	15.00	0.06	
56	Cyprus	55.00	55.00	0.55		129	Guyana	15.00	15.00	0.06	○
56	Mongolia	55.00	55.00	0.55		129	Luxembourg	15.00	15.00	0.06	○
56	Namibia	55.00	55.00	0.55		129	Sudan	15.00	15.00	0.06	
56	Norway	55.00	55.00	0.55		133	Algeria	10.00	10.00	0.03	○
56	Russian Federation	55.00	55.00	0.55		133	Burundi	10.00	10.00	0.03	○
56	Swaziland	55.00	55.00	0.55	●	133	Malta	10.00	10.00	0.03	○
56	Sweden	55.00	55.00	0.55	○	133	Myanmar	10.00	10.00	0.03	
65	Argentina	50.00	50.00	0.44		133	Seychelles	10.00	10.00	0.03	○
65	Bhutan	50.00	50.00	0.44		138	Angola	5.00	5.00	0.01	○
65	Chile	50.00	50.00	0.44		138	Madagascar	5.00	5.00	0.01	○
65	China	50.00	50.00	0.44		140	Jordan	0.00	0.00	0.00	○
65	Egypt	50.00	50.00	0.44		140	Yemen	0.00	0.00	0.00	○
65	El Salvador	50.00	50.00	0.44							
65	Fiji	50.00	50.00	0.44							
65	France	50.00	50.00	0.44	○						

SOURCE: World Bank. *Doing Business 2015: Going Beyond Efficiency*

NOTE: ● indicates a strength; ○ a weakness

4.1.2 Domestic credit to private sector

Domestic credit to private sector (% 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	Cyprus	300.60	100.00	1.00	●	73	Paraguay	45.80	13.88	0.48	
2	Hong Kong (China)	219.49	72.59	0.99	●	74	Cambodia	45.34	13.72	0.47	
3	Denmark	199.60	65.86	0.99	●	75	Armenia	45.18	13.67	0.46	
4	United States of America	192.31	63.40	0.98	●	76	Slovakia (2008)	44.12	13.31	0.46	
5	Japan	188.34	62.06	0.97	●	77	Serbia	43.57	13.12	0.45	
6	Netherlands	177.99	58.56	0.96	●	78	Guyana	43.33	13.04	0.44	
7	Spain	171.97	56.52	0.96	●	79	El Salvador	42.69	12.83	0.43	
8	Portugal	169.78	55.78	0.95	●	80	Oman	42.21	12.66	0.43	
9	Switzerland	169.04	55.53	0.94		81	Bangladesh	41.79	12.52	0.42	
10	Ireland	168.03	55.19	0.93		82	Romania	41.42	12.40	0.41	
11	Luxembourg	162.42	53.30	0.93		83	Saudi Arabia	40.29	12.02	0.41	
12	South Africa	156.05	51.14	0.92	●	84	Georgia	39.85	11.87	0.40	
13	United Kingdom	155.49	50.95	0.91		85	Moldova, Rep.	39.74	11.83	0.39	
14	Thailand	154.41	50.59	0.91	●	86	Qatar	39.27	11.67	0.38	
15	New Zealand (2010)	145.42	47.55	0.90		87	Indonesia	37.89	11.21	0.38	
16	China	140.01	45.72	0.89		88	Albania	37.58	11.10	0.37	
17	Sweden	135.34	44.14	0.88		89	Philippines	35.83	10.51	0.36	
18	Korea, Rep.	135.02	44.03	0.88		90	Kazakhstan	35.58	10.42	0.36	
19	Singapore	128.94	41.98	0.87		91	Senegal	33.04	9.56	0.35	
20	Australia	125.80	40.92	0.86		92	Guatemala	32.64	9.43	0.34	
21	Canada (2008)	124.93	40.62	0.86		93	Togo	32.22	9.29	0.33	
22	Malaysia	123.99	40.31	0.85		94	Botswana	32.05	9.23	0.33	
23	Greece	122.59	39.83	0.84	●	95	Kenya	31.63	9.09	0.32	
24	Malta	119.32	38.73	0.83		96	Peru	31.39	9.01	0.31	
25	Italy	117.03	37.95	0.83		97	Trinidad and Tobago	31.13	8.92	0.30	
26	Austria	112.07	36.28	0.82		98	Sri Lanka (2012)	31.09	8.91	0.30	
27	France	111.35	36.03	0.81		99	Mexico	30.60	8.74	0.29	
28	Mauritius	108.10	34.93	0.80		100	Jamaica	29.61	8.41	0.28	
29	Chile	105.89	34.19	0.80		101	Mozambique	28.90	8.17	0.28	
30	Lebanon	98.64	31.74	0.79	●	102	Nicaragua	28.81	8.14	0.27	
31	Finland	98.14	31.57	0.78		103	Egypt	27.82	7.80	0.26	
32	Viet Nam	96.80	31.12	0.78	●	104	Uruguay	26.84	7.47	0.25	
33	Germany	93.13	29.88	0.77		105	Ecuador	26.72	7.43	0.25	
34	Iceland	91.51	29.33	0.76		106	Burkina Faso	26.06	7.21	0.24	
35	Israel (2011)	89.46	28.64	0.75		107	Azerbaijan	25.46	7.00	0.23	
36	Belgium	89.39	28.61	0.75		108	Venezuela, Bolivarian Rep.	25.33	6.96	0.22	
37	Norway (2006)	86.19	27.53	0.74		109	Swaziland	25.27	6.94	0.22	
38	Fiji	81.40	25.91	0.73	●	110	Belarus	24.15	6.56	0.21	○
39	Barbados (2009)	80.57	25.63	0.72		111	Dominican Republic	24.02	6.52	0.20	
40	Croatia	76.72	24.33	0.72		112	Angola	23.53	6.35	0.20	
41	Tunisia	75.74	24.00	0.71	●	113	Mali	22.79	6.10	0.19	
42	Ukraine	73.96	23.40	0.70		114	Seychelles	21.85	5.78	0.18	○
43	Estonia	73.70	23.31	0.70		115	Lesotho	20.20	5.23	0.17	
44	Jordan	72.33	22.85	0.69		116	Malawi	18.55	4.67	0.17	
45	Slovenia	70.79	22.32	0.68		117	Côte d'Ivoire	18.43	4.63	0.16	
46	Panama	70.72	22.30	0.67		118	Burundi	18.01	4.48	0.15	
47	Brazil	70.68	22.29	0.67		119	Tajikistan	17.86	4.43	0.14	
48	Turkey	70.19	22.12	0.66		120	Ethiopia (2008)	17.71	4.38	0.14	
49	Morocco	70.17	22.11	0.65		121	Tanzania, United Rep.	17.21	4.21	0.13	
50	Bulgaria	69.64	21.94	0.64		122	Ghana	16.99	4.14	0.12	
51	Bahrain	69.10	21.75	0.64		123	Algeria	16.69	4.04	0.12	
52	Mongolia	67.28	21.14	0.63		124	Zambia	16.54	3.99	0.11	
53	Cabo Verde	63.24	19.77	0.62	●	125	Pakistan	16.04	3.82	0.10	
54	Bosnia and Herzegovina	62.01	19.36	0.62		126	Argentina	15.77	3.73	0.09	○
55	Latvia	60.70	18.92	0.61		127	Uganda	15.52	3.64	0.09	
56	United Arab Emirates (2012)	59.07	18.36	0.60		128	Gambia	15.41	3.60	0.08	
57	Nepal	58.11	18.04	0.59	●	129	Kyrgyzstan (2007)	15.05	3.49	0.07	○
58	Kuwait (2012)	55.76	17.24	0.59		130	Cameroon	14.78	3.39	0.07	○
59	Czech Republic	55.36	17.11	0.58		131	Niger	14.20	3.20	0.06	
60	Honduras	55.23	17.06	0.57		132	Nigeria	12.59	2.65	0.05	
61	Poland	53.93	16.63	0.57		133	Iran, Islamic Rep.	12.24	2.54	0.04	○
62	Montenegro	53.61	16.52	0.56		134	Madagascar	11.92	2.43	0.04	○
63	Russian Federation	52.51	16.15	0.55		135	Rwanda (2005)	11.21	2.19	0.03	○
64	India	51.82	15.91	0.54		136	Sudan	10.45	1.93	0.02	○
65	Hungary	50.76	15.55	0.54		137	Guinea (2011)	9.13	1.48	0.01	○
66	Costa Rica	50.44	15.44	0.53		138	Yemen	6.34	0.54	0.01	○
67	Colombia	50.23	15.38	0.52		139	Myanmar (2004)	4.74	0.00	0.00	○
68	TFYR of Macedonia	49.20	15.03	0.51		n/a	Uzbekistan	n/a	n/a	n/a	
69	Namibia	46.98	14.28	0.51		n/a	Zimbabwe	n/a	n/a	n/a	
70	Bolivia, Plurinational St	46.96	14.27	0.50							
71	Lithuania	46.22	14.02	0.49							
72	Bhutan	46.08	13.97	0.49							

SOURCE: International Monetary Fund (with World Bank and OECD GDP estimates), extracted from World Bank *World Development Indicators* database
NOTE: ● indicates a strength; ○ a weakness

4.1.3 Microfinance institutions' gross loan portfolio

Microfinance institutions: Gross loan portfolio (% of GDP) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Armenia	8.36	100.00	0.97	●	73	Venezuela, Bolivarian Rep. (2011)	0.05	0.58	0.19	
1	Bolivia, Plurinational St.	14.72	100.00	0.97	●	74	Ethiopia	0.04	0.42	0.18	
1	Cambodia	17.31	100.00	0.97	●	75	Namibia (2012)	0.03	0.35	0.17	
1	Mongolia	18.91	100.00	0.97	●	76	Fiji	0.02	0.29	0.16	○
5	Bhutan (2012)	6.10	72.97	0.96	●	77	Yemen	0.02	0.29	0.15	
6	Rwanda	5.77	68.96	0.94	●	78	Uruguay (2011)	0.02	0.18	0.13	○
7	Georgia	5.15	61.64	0.93	●	79	Angola (2011)	0.01	0.15	0.12	
8	Tajikistan	5.01	59.92	0.92	●	80	Croatia (2007)	0.01	0.13	0.11	○
9	Peru	4.96	59.34	0.91	●	81	Russian Federation	0.01	0.11	0.10	○
10	Kyrgyzstan	4.77	57.02	0.90	●	82	South Africa	0.01	0.08	0.09	○
11	Paraguay	4.72	56.41	0.89	●	83	Argentina	0.01	0.07	0.08	○
12	Kenya	4.69	56.10	0.88	●	84	Zambia	0.01	0.07	0.07	○
13	Togo	4.20	50.24	0.87	●	85	Indonesia	0.01	0.07	0.06	○
14	Ecuador	4.04	48.31	0.85	●	86	China	0.00	0.04	0.04	○
15	Tanzania, United Rep.	3.84	45.88	0.84	●	87	Turkey	0.00	0.02	0.03	○
16	Viet Nam	3.45	41.21	0.83	●	88	Trinidad and Tobago	0.00	0.02	0.02	○
17	TFYR of Macedonia	3.12	37.28	0.82	●	89	Hungary (2007)	0.00	0.01	0.01	○
18	Azerbaijan	2.79	33.43	0.81	●	90	Thailand (2011)	0.00	0.00	0.00	○
19	Nicaragua	2.78	33.26	0.80	●	n/a	Algeria	n/a	n/a	n/a	
20	Malawi	2.74	32.72	0.79	●	n/a	Australia	n/a	n/a	n/a	
21	Senegal	2.73	32.66	0.78	●	n/a	Austria	n/a	n/a	n/a	
22	Albania	2.62	31.35	0.76	●	n/a	Bahrain	n/a	n/a	n/a	
23	Moldova, Rep.	2.34	28.00	0.75		n/a	Barbados	n/a	n/a	n/a	
24	Bangladesh	2.21	26.43	0.74	●	n/a	Belarus	n/a	n/a	n/a	
25	Burundi	2.13	25.46	0.73	●	n/a	Belgium	n/a	n/a	n/a	
26	Honduras	2.09	25.01	0.72	●	n/a	Botswana	n/a	n/a	n/a	
27	Colombia	2.01	24.05	0.71		n/a	Cabo Verde	n/a	n/a	n/a	
28	Bosnia and Herzegovina	1.83	21.85	0.70		n/a	Canada	n/a	n/a	n/a	
29	Uganda	1.79	21.40	0.69	●	n/a	Cyprus	n/a	n/a	n/a	
30	Serbia	1.68	20.08	0.67		n/a	Czech Republic	n/a	n/a	n/a	
31	Swaziland (2012)	1.63	19.53	0.66	●	n/a	Denmark	n/a	n/a	n/a	
32	El Salvador	1.52	18.16	0.65	●	n/a	Estonia	n/a	n/a	n/a	
33	Burkina Faso	1.39	16.59	0.64	●	n/a	Finland	n/a	n/a	n/a	
34	Bulgaria	1.38	16.49	0.63		n/a	France	n/a	n/a	n/a	
35	Cameroon	1.18	14.17	0.62	●	n/a	Germany	n/a	n/a	n/a	
36	Dominican Republic	1.17	14.01	0.61	●	n/a	Greece	n/a	n/a	n/a	
37	Sri Lanka (2012)	1.06	12.72	0.60		n/a	Hong Kong (China)	n/a	n/a	n/a	
38	Madagascar	1.02	12.23	0.58	●	n/a	Iceland	n/a	n/a	n/a	
39	Uzbekistan (2012)	0.87	10.40	0.57	●	n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
40	Nepal (2012)	0.80	9.55	0.56	●	n/a	Ireland	n/a	n/a	n/a	
41	Mali	0.71	8.43	0.55		n/a	Israel	n/a	n/a	n/a	
42	Montenegro	0.69	8.25	0.54		n/a	Italy	n/a	n/a	n/a	
43	Chile	0.66	7.95	0.53		n/a	Japan	n/a	n/a	n/a	
44	Morocco	0.55	6.53	0.52		n/a	Korea, Rep.	n/a	n/a	n/a	
45	Niger	0.42	5.06	0.51	●	n/a	Kuwait	n/a	n/a	n/a	
46	Guyana (2012)	0.39	4.60	0.49		n/a	Latvia	n/a	n/a	n/a	
47	Panama	0.39	4.60	0.48		n/a	Lesotho	n/a	n/a	n/a	
48	Jordan	0.35	4.22	0.47		n/a	Lithuania	n/a	n/a	n/a	
49	Guatemala	0.35	4.20	0.46		n/a	Luxembourg	n/a	n/a	n/a	
50	India	0.29	3.48	0.45		n/a	Malta	n/a	n/a	n/a	
51	Guinea (2012)	0.25	2.95	0.44	●	n/a	Mauritius	n/a	n/a	n/a	
52	Gambia (2012)	0.24	2.89	0.43	●	n/a	Myanmar	n/a	n/a	n/a	
53	Mozambique	0.24	2.84	0.42		n/a	Netherlands	n/a	n/a	n/a	
54	Romania	0.24	2.81	0.40		n/a	New Zealand	n/a	n/a	n/a	
55	Ghana	0.22	2.64	0.39		n/a	Norway	n/a	n/a	n/a	
56	Tunisia	0.22	2.62	0.38		n/a	Oman	n/a	n/a	n/a	
57	Kazakhstan	0.20	2.37	0.37		n/a	Portugal	n/a	n/a	n/a	
58	Philippines	0.20	2.35	0.36		n/a	Qatar	n/a	n/a	n/a	
59	Côte d'Ivoire	0.19	2.28	0.35		n/a	Saudi Arabia	n/a	n/a	n/a	
60	Jamaica	0.15	1.83	0.34		n/a	Seychelles	n/a	n/a	n/a	
61	Pakistan	0.15	1.78	0.33		n/a	Singapore	n/a	n/a	n/a	
62	Costa Rica	0.15	1.78	0.31		n/a	Slovakia	n/a	n/a	n/a	
63	Lebanon	0.14	1.62	0.30		n/a	Slovenia	n/a	n/a	n/a	
64	Ukraine	0.13	1.59	0.29		n/a	Spain	n/a	n/a	n/a	
65	Malaysia (2011)	0.13	1.58	0.28	○	n/a	Sweden	n/a	n/a	n/a	
66	Mexico	0.12	1.38	0.27		n/a	Switzerland	n/a	n/a	n/a	
67	Poland	0.11	1.35	0.26	○	n/a	United Arab Emirates	n/a	n/a	n/a	
68	Zimbabwe	0.08	0.99	0.25		n/a	United Kingdom	n/a	n/a	n/a	
69	Brazil	0.07	0.89	0.24		n/a	United States of America	n/a	n/a	n/a	
70	Sudan	0.07	0.82	0.22							
71	Nigeria	0.07	0.80	0.21							
72	Egypt	0.05	0.64	0.20							

SOURCE: Microfinance Information Exchange, *Mix Market database*; International Monetary Fund *World Economic Outlook Database*, 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	New Zealand	81.67	81.67	1.00	●	72	Switzerland	55.00	55.00	0.48	○
2	Hong Kong (China)	80.83	80.83	0.99	●	72	Tunisia	55.00	55.00	0.48	
3	Singapore	80.00	80.00	0.99	●	75	Bosnia and Herzegovina	54.17	54.17	0.45	
4	United Kingdom	78.33	78.33	0.98	●	75	Czech Republic	54.17	54.17	0.45	
5	Malaysia	74.17	74.17	0.97	●	75	Dominican Republic	54.17	54.17	0.45	
6	Ireland	73.33	73.33	0.96	●	75	Zambia	54.17	54.17	0.45	
7	Albania	72.50	72.50	0.94	●	79	Madagascar	53.33	53.33	0.43	
7	Canada	72.50	72.50	0.94		79	Namibia	53.33	53.33	0.43	
7	India	72.50	72.50	0.94	●	79	Zimbabwe	53.33	53.33	0.43	
10	Colombia	71.67	71.67	0.94	●	82	Cambodia	52.50	52.50	0.42	
11	Israel	70.83	70.83	0.93		83	Angola	51.67	51.67	0.39	●
12	Norway	70.00	70.00	0.92		83	Belarus	51.67	51.67	0.39	
13	Turkey	69.17	69.17	0.91	●	83	Burundi	51.67	51.67	0.39	●
14	Bulgaria	68.33	68.33	0.89	●	83	Mozambique	51.67	51.67	0.39	
14	Cyprus	68.33	68.33	0.89	●	83	Netherlands	51.67	51.67	0.39	○
14	Slovenia	68.33	68.33	0.89		88	Russian Federation	50.83	50.83	0.36	
17	Denmark	67.50	67.50	0.86		88	Slovakia	50.83	50.83	0.36	
17	France	67.50	67.50	0.86		88	Uzbekistan	50.83	50.83	0.36	
17	Mongolia	67.50	67.50	0.86	●	91	Bahrain	50.00	50.00	0.35	
17	South Africa	67.50	67.50	0.86	●	91	Bhutan	50.00	50.00	0.35	
21	Italy	66.67	66.67	0.84		93	Botswana	49.17	49.17	0.33	
21	Korea, Rep.	66.67	66.67	0.84		93	Lebanon	49.17	49.17	0.33	
21	Pakistan	66.67	66.67	0.84	●	93	Lesotho	49.17	49.17	0.33	
21	TFYR of Macedonia	66.67	66.67	0.84	●	96	Ukraine	48.33	48.33	0.32	
25	Kazakhstan	65.83	65.83	0.81	●	97	Fiji	47.50	47.50	0.29	
25	Thailand	65.83	65.83	0.81		97	Hungary	47.50	47.50	0.29	○
25	United States of America	65.83	65.83	0.81		97	Swaziland	47.50	47.50	0.29	
28	Iceland	65.00	65.00	0.80		97	Uganda	47.50	47.50	0.29	
28	Mauritius	65.00	65.00	0.80		97	Uruguay	47.50	47.50	0.29	
30	Spain	64.17	64.17	0.79		102	Cameroon	46.67	46.67	0.25	
31	Austria	63.33	63.33	0.77		102	Ecuador	46.67	46.67	0.25	
31	Serbia	63.33	63.33	0.77		102	Luxembourg	46.67	46.67	0.25	○
31	Sweden	63.33	63.33	0.77		102	Rwanda	46.67	46.67	0.25	
34	Brazil	62.50	62.50	0.74		102	Viet Nam	46.67	46.67	0.25	
34	Japan	62.50	62.50	0.74		107	Burkina Faso	45.83	45.83	0.20	
34	Kyrgyzstan	62.50	62.50	0.74	●	107	Kenya	45.83	45.83	0.20	
34	Poland	62.50	62.50	0.74		107	Morocco	45.83	45.83	0.20	○
38	Belgium	61.67	61.67	0.72		107	Oman	45.83	45.83	0.20	
38	Peru	61.67	61.67	0.72	●	107	Qatar	45.83	45.83	0.20	
38	Romania	61.67	61.67	0.72		107	Senegal	45.83	45.83	0.20	
41	Bangladesh	60.83	60.83	0.68	●	107	Togo	45.83	45.83	0.20	
41	Georgia	60.83	60.83	0.68		114	Algeria	45.00	45.00	0.18	
41	Indonesia	60.83	60.83	0.68		114	China	45.00	45.00	0.18	○
41	Kuwait	60.83	60.83	0.68	●	114	Malawi	45.00	45.00	0.18	
41	Montenegro	60.83	60.83	0.68		117	Egypt	44.17	44.17	0.16	
41	United Arab Emirates	60.83	60.83	0.68		117	Guyana	44.17	44.17	0.16	
47	Armenia	60.00	60.00	0.66		119	Tanzania, United Rep.	43.33	43.33	0.16	
47	Latvia	60.00	60.00	0.66		120	Côte d'Ivoire	42.50	42.50	0.14	
49	Azerbaijan	59.17	59.17	0.63		120	Mali	42.50	42.50	0.14	
49	Germany	59.17	59.17	0.63		120	Niger	42.50	42.50	0.14	
49	Malta	59.17	59.17	0.63		123	El Salvador	41.67	41.67	0.10	○
49	Portugal	59.17	59.17	0.63		123	Ethiopia	41.67	41.67	0.10	
49	Sri Lanka	59.17	59.17	0.63		123	Iran, Islamic Rep.	41.67	41.67	0.10	
54	Chile	58.33	58.33	0.59		123	Jordan	41.67	41.67	0.10	○
54	Estonia	58.33	58.33	0.59		123	Philippines	41.67	41.67	0.10	○
54	Ghana	58.33	58.33	0.59	●	128	Bolivia, Plurinational St.	40.83	40.83	0.09	○
54	Moldova, Rep.	58.33	58.33	0.59		129	Gambia	39.17	39.17	0.07	○
54	Seychelles	58.33	58.33	0.59		129	Guinea	39.17	39.17	0.07	
54	Tajikistan	58.33	58.33	0.59	●	129	Yemen	39.17	39.17	0.07	
60	Argentina	57.50	57.50	0.54		132	Paraguay	38.33	38.33	0.06	○
60	Croatia	57.50	57.50	0.54		133	Cabo Verde	35.00	35.00	0.06	○
60	Greece	57.50	57.50	0.54		134	Nicaragua	33.33	33.33	0.05	○
60	Mexico	57.50	57.50	0.54		135	Guatemala	31.67	31.67	0.03	○
60	Nigeria	57.50	57.50	0.54	●	135	Honduras	31.67	31.67	0.03	○
60	Saudi Arabia	57.50	57.50	0.54		135	Sudan	31.67	31.67	0.03	○
60	Trinidad and Tobago	57.50	57.50	0.54		138	Barbados	30.83	30.83	0.02	○
67	Australia	56.67	56.67	0.51		139	Myanmar	29.17	29.17	0.01	○
67	Jamaica	56.67	56.67	0.51		139	Venezuela, Bolivarian Rep.	29.17	29.17	0.01	○
67	Nepal	56.67	56.67	0.51	●	141	Costa Rica	28.33	28.33	0.00	○
70	Finland	55.83	55.83	0.50	○						
70	Panama	55.83	55.83	0.50							
72	Lithuania	55.00	55.00	0.48							

SOURCE: World Bank. Doing Business 2015: Going Beyond Efficiency

NOTE: ● indicates a strength; ○ a weakness

4.2.2 Market capitalization

Market capitalization of listed companies (% 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)	421.93	100.00	0.99	●	73	United Arab Emirates	18.25	11.07	0.33	○
1	Switzerland	161.99	100.00	0.99	●	74	Czech Republic	17.97	10.90	0.32	○
3	South Africa	160.15	98.86	0.98	●	75	Greece	17.87	10.84	0.31	
4	Malaysia	156.04	96.32	0.97	●	76	Malawi	17.77	10.78	0.30	
5	Singapore	144.34	89.08	0.96		77	Hungary	16.62	10.07	0.29	○
6	Luxembourg	124.95	77.09	0.95		78	Bolivia, Plurinational St.	16.44	9.95	0.28	
7	Chile	117.68	72.58	0.94	●	79	Slovenia	14.00	8.44	0.27	○
8	United States of America	115.50	71.24	0.93		80	Bangladesh	13.11	7.89	0.26	
9	United Kingdom	115.47	71.22	0.93		81	Bulgaria	12.68	7.63	0.25	○
10	Canada	110.69	68.26	0.92		82	Mongolia	12.53	7.53	0.24	
11	Barbados	106.39	65.60	0.91	●	83	Nigeria	12.18	7.32	0.23	
12	Philippines	105.56	65.09	0.90	●	84	Zambia	12.04	7.23	0.22	
13	Thailand	104.65	64.53	0.89		85	Fiji	11.75	7.05	0.21	
14	Sweden	103.06	63.54	0.88		86	Ukraine	11.73	7.04	0.21	○
15	Korea, Rep.	96.54	59.51	0.87		87	Kazakhstan	11.54	6.93	0.20	
16	Zimbabwe	94.74	58.39	0.86	●	88	Estonia	10.29	6.15	0.19	○
17	Montenegro	94.58	58.30	0.85	●	89	Namibia	10.01	5.98	0.18	
18	Jordan	87.05	53.64	0.84	●	90	Romania	9.40	5.60	0.17	○
19	Australia	83.84	51.65	0.83		91	Lithuania	9.36	5.57	0.16	○
20	Netherlands	79.09	48.71	0.82		92	Cyprus	8.77	5.21	0.15	○
21	Spain	73.40	45.19	0.81		93	Ghana	8.30	4.92	0.14	
22	Colombia	70.78	43.57	0.80		94	Ecuador	6.75	3.96	0.13	
23	Denmark	69.77	42.95	0.79		95	Swaziland (2007)	6.65	3.90	0.12	
24	India	67.97	41.83	0.79	●	96	Venezuela, Bolivarian Rep.	6.64	3.89	0.11	
25	France	67.86	41.77	0.78		97	Tanzania, United Rep.	6.38	3.73	0.10	
26	Qatar	66.41	40.87	0.77		98	Georgia	5.95	3.47	0.09	○
27	Trinidad and Tobago	64.71	39.82	0.76	●	99	TFYR of Macedonia	5.84	3.39	0.08	○
28	Finland	62.04	38.17	0.75		100	Argentina	5.68	3.30	0.07	○
29	Mauritius	61.99	38.13	0.74		101	Slovakia	4.97	2.86	0.07	○
30	Japan	61.82	38.03	0.73		102	Costa Rica	4.44	2.53	0.06	○
31	Belgium	60.15	37.00	0.72		103	Uzbekistan (2006)	4.20	2.38	0.05	○
32	Israel	57.71	35.49	0.71		104	Latvia	3.93	2.21	0.04	○
33	Kuwait	55.79	34.30	0.70	●	105	Paraguay	3.91	2.20	0.03	○
34	Morocco	54.88	33.74	0.69	●	106	Kyrgyzstan	2.50	1.33	0.02	○
35	Brazil	54.69	33.62	0.68		107	Armenia	1.33	0.60	0.01	○
36	Bahrain	52.23	32.10	0.67		108	Uruguay	0.35	0.00	0.00	○
37	Saudi Arabia	50.87	31.26	0.66		n/a	Albania	n/a	n/a	n/a	
38	Norway	50.59	31.08	0.65		n/a	Algeria	n/a	n/a	n/a	
39	Peru	50.28	30.89	0.64		n/a	Angola	n/a	n/a	n/a	
40	Ireland	49.11	30.17	0.64		n/a	Azerbaijan	n/a	n/a	n/a	
41	New Zealand	46.54	28.58	0.63		n/a	Belarus	n/a	n/a	n/a	
42	Indonesia	45.26	27.78	0.62		n/a	Bhutan	n/a	n/a	n/a	
43	El Salvador	45.11	27.69	0.61		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
44	China	44.93	27.58	0.60		n/a	Burkina Faso	n/a	n/a	n/a	
45	Mexico	44.25	27.16	0.59		n/a	Burundi	n/a	n/a	n/a	
46	Russian Federation	43.35	26.60	0.58		n/a	Cabo Verde	n/a	n/a	n/a	
47	Jamaica	43.19	26.51	0.57		n/a	Cambodia	n/a	n/a	n/a	
48	Germany	42.07	25.81	0.56		n/a	Cameroon	n/a	n/a	n/a	
49	Malta	40.97	25.13	0.55		n/a	Dominican Republic	n/a	n/a	n/a	
50	Turkey	39.14	24.00	0.54		n/a	Ethiopia	n/a	n/a	n/a	
51	Croatia	38.17	23.40	0.53		n/a	Gambia	n/a	n/a	n/a	
52	Uganda	36.40	22.30	0.52		n/a	Guatemala (2006)	n/a	n/a	n/a	
53	Poland	35.82	21.94	0.51		n/a	Guinea	n/a	n/a	n/a	
54	Panama	33.05	20.23	0.50		n/a	Honduras	n/a	n/a	n/a	
55	Botswana	31.56	19.31	0.50		n/a	Lesotho	n/a	n/a	n/a	
56	Portugal	30.06	18.38	0.49		n/a	Madagascar	n/a	n/a	n/a	
57	Kenya	29.38	17.96	0.48		n/a	Mali	n/a	n/a	n/a	
58	Côte d'Ivoire	28.89	17.66	0.47	●	n/a	Moldova, Rep.	n/a	n/a	n/a	
59	Sri Lanka	28.70	17.54	0.46		n/a	Mozambique	n/a	n/a	n/a	
60	Iran, Islamic Rep.	28.02	17.12	0.45		n/a	Myanmar	n/a	n/a	n/a	
61	Austria	26.02	15.88	0.44	○	n/a	Nicaragua	n/a	n/a	n/a	
62	Oman	25.95	15.83	0.43		n/a	Niger	n/a	n/a	n/a	
63	Lebanon	23.83	14.53	0.42		n/a	Rwanda	n/a	n/a	n/a	
64	Italy	22.97	13.99	0.41		n/a	Senegal	n/a	n/a	n/a	
65	Egypt	22.07	13.44	0.40		n/a	Seychelles	n/a	n/a	n/a	
66	Nepal	21.66	13.18	0.39		n/a	Sudan	n/a	n/a	n/a	
67	Guyana	21.43	13.04	0.38		n/a	Tajikistan	n/a	n/a	n/a	
68	Viet Nam	21.14	12.86	0.37		n/a	Togo	n/a	n/a	n/a	
69	Iceland	19.92	12.10	0.36	○	n/a	Yemen	n/a	n/a	n/a	
70	Tunisia	19.64	11.94	0.36							
71	Pakistan	19.47	11.83	0.35							
72	Serbia	18.27	11.08	0.34							

SOURCE: Standard and Poor's, Global Stock Markets Factbook and supplemental S&P data; extracted from World Bank *World Development Indicators* database

NOTE: ● indicates a strength; ○ a weakness

4.2.3 Total value of stocks traded

Stocks traded, total value (% 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)	468.12	100.00	0.98	●	73	Serbia	0.71	0.57	0.33	
1	Korea, Rep.	123.80	100.00	0.98	●	74	Bulgaria	0.69	0.55	0.32	
1	United States of America	132.25	100.00	0.98	●	75	Ukraine	0.68	0.55	0.31	
4	Switzerland	96.23	77.73	0.97		76	Côte d'Ivoire	0.60	0.48	0.31	
5	United Kingdom	95.17	76.87	0.96		77	Kazakhstan	0.55	0.44	0.30	
6	South Africa	81.55	65.87	0.95	●	78	Trinidad and Tobago	0.50	0.40	0.29	
7	Spain	79.44	64.17	0.94	●	79	Malta	0.49	0.39	0.28	○
8	China	70.80	57.19	0.94		80	Barbados	0.43	0.35	0.27	
9	Saudi Arabia	70.09	56.61	0.93	●	81	Lithuania	0.40	0.32	0.26	○
10	Sweden	69.17	55.87	0.92		82	Mongolia	0.40	0.32	0.25	
11	Australia	68.54	55.36	0.91		83	Malawi	0.38	0.31	0.24	
12	Canada	66.32	53.57	0.90		84	TFYR of Macedonia	0.32	0.26	0.23	○
13	Thailand	62.70	50.65	0.89	●	85	Panama	0.30	0.24	0.22	
14	Japan	60.55	48.91	0.88		86	Nepal	0.26	0.21	0.21	
15	Singapore	54.53	44.04	0.87		87	Argentina	0.24	0.19	0.20	
16	Netherlands	53.61	43.30	0.86		88	Moldova, Rep. (2009)	0.24	0.19	0.19	○
17	Finland	49.26	39.79	0.85		89	El Salvador	0.22	0.18	0.19	
18	Turkey	44.18	35.68	0.84	●	90	Paraguay	0.21	0.17	0.18	
19	France	41.93	33.87	0.83		91	Luxembourg	0.21	0.16	0.17	○
20	Malaysia	40.78	32.94	0.82		92	Uzbekistan (2011)	0.18	0.15	0.16	
21	Brazil	37.11	29.97	0.81	●	93	Slovakia	0.18	0.14	0.15	○
22	Italy	36.32	29.33	0.81		94	Fiji	0.17	0.14	0.14	○
23	Russian Federation	36.30	29.32	0.80		95	Namibia	0.16	0.13	0.13	○
24	Germany	34.69	28.02	0.79		96	Ecuador	0.16	0.12	0.12	○
25	India	33.49	27.05	0.78	●	97	Ghana	0.13	0.10	0.11	
26	Denmark	32.74	26.45	0.77		98	Latvia	0.11	0.09	0.10	○
27	Norway	26.57	21.46	0.76		99	Tanzania, United Rep.	0.09	0.07	0.09	
28	Israel	26.18	21.15	0.75		100	Kyrgyzstan	0.08	0.07	0.08	
29	Belgium	20.70	16.72	0.74		101	Costa Rica	0.07	0.06	0.07	○
30	Chile	17.55	14.18	0.73		102	Bolivia, Plurinational St.	0.07	0.06	0.06	○
31	New Zealand	14.58	11.78	0.72		103	Uganda	0.06	0.04	0.06	○
32	Philippines	13.86	11.20	0.71	●	104	Guyana (2008)	0.04	0.03	0.05	○
33	Poland	13.55	10.95	0.70		105	Georgia	0.01	0.01	0.04	○
34	Kuwait	13.21	10.67	0.69	●	106	Armenia	0.01	0.01	0.03	○
35	Zimbabwe	12.91	10.42	0.69	●	107	Venezuela, Bolivarian Rep.	0.01	0.01	0.02	○
36	Portugal	12.21	9.86	0.68		108	Uruguay	0.00	0.00	0.01	○
37	Austria	11.58	9.36	0.67		109	Swaziland (2006)	0.00	0.00	0.00	○
38	Indonesia	10.46	8.45	0.66		n/a	Albania	n/a	n/a	n/a	
39	Mexico	9.96	8.04	0.65		n/a	Algeria	n/a	n/a	n/a	
40	Bangladesh	9.41	7.60	0.64	●	n/a	Angola	n/a	n/a	n/a	
41	Jordan	8.99	7.26	0.63		n/a	Azerbaijan	n/a	n/a	n/a	
42	Hungary	8.58	6.93	0.62		n/a	Belarus	n/a	n/a	n/a	
43	Qatar	8.05	6.50	0.61		n/a	Bhutan	n/a	n/a	n/a	
44	Egypt	7.67	6.19	0.60		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
45	Colombia	7.02	5.67	0.59		n/a	Burkina Faso	n/a	n/a	n/a	
46	Greece	5.95	4.80	0.58		n/a	Burundi	n/a	n/a	n/a	
47	Ireland	5.46	4.41	0.57	○	n/a	Cabo Verde	n/a	n/a	n/a	
48	Pakistan	5.33	4.31	0.56	●	n/a	Cambodia	n/a	n/a	n/a	
49	Czech Republic	4.94	3.99	0.56		n/a	Cameroon	n/a	n/a	n/a	
50	Iceland	4.83	3.90	0.55		n/a	Dominican Republic	n/a	n/a	n/a	
51	United Arab Emirates	4.74	3.83	0.54		n/a	Ethiopia	n/a	n/a	n/a	
52	Iran, Islamic Rep.	4.39	3.54	0.53		n/a	Gambia	n/a	n/a	n/a	
53	Morocco	3.65	2.95	0.52		n/a	Guatemala	n/a	n/a	n/a	
54	Oman	3.42	2.76	0.51		n/a	Guinea	n/a	n/a	n/a	
55	Sri Lanka	2.82	2.28	0.50		n/a	Honduras	n/a	n/a	n/a	
56	Tunisia	2.77	2.23	0.49		n/a	Lesotho	n/a	n/a	n/a	
57	Mauritius	2.59	2.09	0.48		n/a	Madagascar	n/a	n/a	n/a	
58	Peru	2.59	2.09	0.47		n/a	Mali	n/a	n/a	n/a	
59	Viet Nam	2.17	1.75	0.46		n/a	Mozambique	n/a	n/a	n/a	
60	Kenya	2.00	1.62	0.45		n/a	Myanmar	n/a	n/a	n/a	
61	Jamaica	1.39	1.12	0.44		n/a	Nicaragua	n/a	n/a	n/a	
62	Cyprus	1.28	1.03	0.44		n/a	Niger	n/a	n/a	n/a	
63	Romania	1.26	1.01	0.43		n/a	Rwanda	n/a	n/a	n/a	
64	Montenegro	1.06	0.85	0.42		n/a	Senegal	n/a	n/a	n/a	
65	Bahrain	1.00	0.81	0.41		n/a	Seychelles	n/a	n/a	n/a	
66	Lebanon	0.94	0.76	0.40		n/a	Sudan	n/a	n/a	n/a	
67	Nigeria	0.91	0.73	0.39		n/a	Tajikistan	n/a	n/a	n/a	
68	Croatia	0.87	0.70	0.38	○	n/a	Togo	n/a	n/a	n/a	
69	Slovenia	0.86	0.70	0.37	○	n/a	Yemen	n/a	n/a	n/a	
70	Estonia	0.79	0.64	0.36	○						
71	Zambia	0.78	0.63	0.35							
72	Botswana	0.78	0.63	0.34							

SOURCE: Standard and Poor's, Global Stock Markets Factbook and supplemental S&P data; extracted from World Bank *World Development Indicators* database

NOTE: ● indicates a strength; ○ a weakness

4.2.4 Venture capital deals

Venture capital per investment location: Number of deals (per trillion PPP\$ GDP) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland.....	1.21	100.00	0.99	●	73	Pakistan.....	0.00	0.00	0.00	○
1	Mauritius.....	0.81	100.00	0.99	●	n/a	Albania.....	n/a	n/a	n/a	
3	Israel.....	0.78	96.16	0.97	●	n/a	Algeria.....	n/a	n/a	n/a	
4	Canada.....	0.74	90.43	0.96	●	n/a	Angola.....	n/a	n/a	n/a	
5	Luxembourg.....	0.68	83.67	0.94		n/a	Azerbaijan.....	n/a	n/a	n/a	
6	United States of America.....	0.66	80.74	0.93		n/a	Bahrain.....	n/a	n/a	n/a	
7	Switzerland.....	0.57	70.42	0.92		n/a	Bangladesh.....	n/a	n/a	n/a	
8	Denmark.....	0.47	58.08	0.90		n/a	Barbados.....	n/a	n/a	n/a	
9	Ireland.....	0.41	49.80	0.89		n/a	Belarus.....	n/a	n/a	n/a	
10	Hong Kong (China).....	0.37	46.00	0.88		n/a	Bhutan.....	n/a	n/a	n/a	
11	Singapore.....	0.36	43.64	0.86		n/a	Bolivia, Plurinational St.....	n/a	n/a	n/a	
12	United Kingdom.....	0.35	42.94	0.85		n/a	Bosnia and Herzegovina.....	n/a	n/a	n/a	
13	Sweden.....	0.30	36.39	0.83		n/a	Botswana.....	n/a	n/a	n/a	
14	Estonia.....	0.25	30.96	0.82		n/a	Burkina Faso.....	n/a	n/a	n/a	
15	France.....	0.24	29.86	0.81		n/a	Burundi.....	n/a	n/a	n/a	
16	Germany.....	0.16	20.10	0.79		n/a	Cabo Verde.....	n/a	n/a	n/a	
17	Norway.....	0.16	19.83	0.78		n/a	Cambodia.....	n/a	n/a	n/a	
18	Lithuania.....	0.15	18.41	0.76		n/a	Cameroon.....	n/a	n/a	n/a	
19	Portugal.....	0.15	17.86	0.75		n/a	Costa Rica.....	n/a	n/a	n/a	
20	Iceland.....	0.14	17.19	0.74		n/a	Côte d'Ivoire.....	n/a	n/a	n/a	
21	Netherlands.....	0.13	15.58	0.72		n/a	Croatia.....	n/a	n/a	n/a	
22	New Zealand.....	0.11	13.81	0.71		n/a	Dominican Republic.....	n/a	n/a	n/a	
23	Kenya.....	0.11	13.81	0.69		n/a	Ecuador.....	n/a	n/a	n/a	
24	Jordan.....	0.11	13.78	0.68		n/a	Egypt.....	n/a	n/a	n/a	
25	Spain.....	0.11	13.54	0.67		n/a	El Salvador.....	n/a	n/a	n/a	
26	Austria.....	0.10	12.31	0.65		n/a	Fiji.....	n/a	n/a	n/a	
27	Lebanon.....	0.10	12.00	0.64		n/a	Gambia.....	n/a	n/a	n/a	
28	Belgium.....	0.09	10.60	0.63		n/a	Guatemala.....	n/a	n/a	n/a	
29	Australia.....	0.09	10.42	0.61		n/a	Guinea.....	n/a	n/a	n/a	
30	Armenia.....	0.08	10.00	0.60		n/a	Guyana.....	n/a	n/a	n/a	
31	Cyprus.....	0.07	8.84	0.58		n/a	Honduras.....	n/a	n/a	n/a	
32	Uruguay.....	0.07	8.66	0.57		n/a	Iran, Islamic Rep.....	n/a	n/a	n/a	
33	Japan.....	0.07	8.49	0.56		n/a	Jamaica.....	n/a	n/a	n/a	
34	China.....	0.07	8.42	0.54		n/a	Kazakhstan.....	n/a	n/a	n/a	
35	India.....	0.06	7.65	0.53		n/a	Kyrgyzstan.....	n/a	n/a	n/a	
36	Latvia.....	0.06	7.52	0.51		n/a	Lesotho.....	n/a	n/a	n/a	
37	Georgia.....	0.06	7.06	0.50		n/a	Madagascar.....	n/a	n/a	n/a	
38	Korea, Rep.....	0.05	6.57	0.49		n/a	Malawi.....	n/a	n/a	n/a	
39	Uganda.....	0.05	6.26	0.47		n/a	Mali.....	n/a	n/a	n/a	
40	Czech Republic.....	0.05	5.73	0.46		n/a	Malta.....	n/a	n/a	n/a	
41	Zimbabwe.....	0.04	4.40	0.44		n/a	Moldova, Rep.....	n/a	n/a	n/a	
42	Hungary.....	0.04	4.36	0.43		n/a	Mongolia.....	n/a	n/a	n/a	
43	Italy.....	0.04	4.32	0.42		n/a	Montenegro.....	n/a	n/a	n/a	
44	Russian Federation.....	0.03	4.04	0.40		n/a	Morocco.....	n/a	n/a	n/a	
45	Nicaragua.....	0.03	4.04	0.39		n/a	Mozambique.....	n/a	n/a	n/a	
46	Malaysia.....	0.03	3.49	0.38		n/a	Myanmar.....	n/a	n/a	n/a	
47	Ghana.....	0.03	3.27	0.36		n/a	Namibia.....	n/a	n/a	n/a	
48	United Arab Emirates.....	0.03	2.94	0.35	○	n/a	Nepal.....	n/a	n/a	n/a	
49	Greece.....	0.02	2.89	0.33		n/a	Niger.....	n/a	n/a	n/a	
50	Philippines.....	0.02	2.53	0.32		n/a	Paraguay.....	n/a	n/a	n/a	
51	Ukraine.....	0.02	2.52	0.31		n/a	Peru.....	n/a	n/a	n/a	
52	Brazil.....	0.02	2.39	0.29		n/a	Qatar.....	n/a	n/a	n/a	
53	Poland.....	0.02	2.31	0.28	○	n/a	Rwanda.....	n/a	n/a	n/a	
54	South Africa.....	0.02	2.31	0.26	○	n/a	Senegal.....	n/a	n/a	n/a	
55	Slovenia.....	0.02	1.87	0.25	○	n/a	Serbia.....	n/a	n/a	n/a	
56	Tanzania, United Rep.....	0.02	1.80	0.24		n/a	Seychelles.....	n/a	n/a	n/a	
57	Panama.....	0.01	1.47	0.22		n/a	Slovakia.....	n/a	n/a	n/a	
58	Argentina.....	0.01	1.42	0.21		n/a	Sri Lanka.....	n/a	n/a	n/a	
59	Thailand.....	0.01	1.36	0.19	○	n/a	Sudan.....	n/a	n/a	n/a	
60	Viet Nam.....	0.01	1.31	0.18	○	n/a	Swaziland.....	n/a	n/a	n/a	
61	Colombia.....	0.01	1.01	0.17	○	n/a	Tajikistan.....	n/a	n/a	n/a	
62	Mexico.....	0.01	1.01	0.15	○	n/a	TFYR of Macedonia.....	n/a	n/a	n/a	
63	Bulgaria.....	0.01	0.82	0.14	○	n/a	Togo.....	n/a	n/a	n/a	
64	Ethiopia.....	0.01	0.71	0.13		n/a	Trinidad and Tobago.....	n/a	n/a	n/a	
65	Indonesia.....	0.01	0.69	0.11		n/a	Tunisia.....	n/a	n/a	n/a	
66	Oman.....	0.01	0.62	0.10	○	n/a	Uzbekistan.....	n/a	n/a	n/a	
67	Romania.....	0.01	0.49	0.08	○	n/a	Venezuela, Bolivarian Rep.....	n/a	n/a	n/a	
68	Chile.....	0.00	0.46	0.07	○	n/a	Yemen.....	n/a	n/a	n/a	
69	Turkey.....	0.00	0.43	0.06	○	n/a	Zambia.....	n/a	n/a	n/a	
70	Nigeria.....	0.00	0.33	0.04							
71	Kuwait.....	0.00	0.29	0.03	○						
72	Saudi Arabia.....	0.00	0.17	0.01	○						

SOURCE: Thomson Reuters, Thomson One Banker Private Equity database; International Monetary Fund World Economic Outlook Database, 2015 (PPP\$ GDP)

NOTE: ● indicates a strength; ○ a weakness

4.3.1

Applied tariff rate, weighted mean

Tariff rate, applied, weighted mean, all products (%) | 2012

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Singapore (2009)	0.07	100.00	1.00	●	73	Saudi Arabia	4.30	85.03	0.48	
2	Norway	0.30	99.19	0.99	●	74	Kuwait	4.37	84.78	0.47	
3	Georgia	0.68	97.84	0.99	●	75	Colombia	4.41	84.64	0.46	
4	Israel	0.73	97.66	0.98	●	76	Azerbaijan	4.48	84.39	0.46	
5	Canada	0.83	97.31	0.96	●	77	Rwanda	4.64	83.82	0.45	
5	Mauritius	0.83	97.31	0.96	●	78	Mozambique (2010)	4.75	83.43	0.44	
7	Switzerland (2009)	0.99	96.74	0.96		79	Philippines (2010)	4.77	83.36	0.43	
8	Iceland	1.01	96.67	0.95		80	Lebanon (2007)	4.81	83.22	0.43	
9	Austria	1.02	96.64	0.75		81	Thailand (2009)	4.92	82.83	0.42	
9	Belgium	1.02	96.64	0.75		82	Russian Federation	4.99	82.58	0.41	
9	Bulgaria	1.02	96.64	0.75		83	Mongolia (2011)	5.13	82.09	0.40	
9	Cyprus	1.02	96.64	0.75		83	Uzbekistan	5.13	82.09	0.40	
9	Czech Republic	1.02	96.64	0.75		85	Jordan (2009)	5.18	81.91	0.39	
9	Denmark	1.02	96.64	0.75		86	Tajikistan	5.23	81.73	0.38	
9	Estonia	1.02	96.64	0.75		87	Argentina	5.56	80.57	0.38	
9	Finland	1.02	96.64	0.75		88	Viet Nam (2010)	5.66	80.21	0.37	
9	France	1.02	96.64	0.75		89	Bahrain	5.69	80.11	0.36	
9	Germany	1.02	96.64	0.75		90	Serbia (2005)	6.03	78.90	0.36	
9	Greece	1.02	96.64	0.75		91	Dominican Republic (2010)	6.09	78.69	0.35	
9	Hungary	1.02	96.64	0.75		92	Yemen	6.23	78.19	0.34	●
9	Ireland	1.02	96.64	0.75		93	Botswana	6.39	77.63	0.33	
9	Italy	1.02	96.64	0.75		94	Burundi	6.41	77.56	0.32	
9	Latvia	1.02	96.64	0.75		94	Malawi	6.41	77.56	0.32	
9	Lithuania	1.02	96.64	0.75		96	Honduras (2009)	6.46	77.38	0.31	
9	Luxembourg	1.02	96.64	0.75		97	Guyana	6.50	77.24	0.30	
9	Malta	1.02	96.64	0.75		98	Uganda	6.68	76.60	0.30	
9	Netherlands	1.02	96.64	0.75		99	Sri Lanka	6.74	76.39	0.29	
9	Poland	1.02	96.64	0.75		100	Côte d'Ivoire	6.79	76.21	0.28	
9	Portugal	1.02	96.64	0.75		101	Namibia	6.92	75.75	0.28	
9	Romania	1.02	96.64	0.75	●	102	Swaziland	6.98	75.54	0.27	
9	Slovakia	1.02	96.64	0.75		103	Angola (2009)	7.44	73.91	0.26	●
9	Slovenia	1.02	96.64	0.75		104	Jamaica (2011)	7.45	73.88	0.25	
9	Spain	1.02	96.64	0.75		105	Panama (2009)	7.61	73.31	0.25	
9	Sweden	1.02	96.64	0.75		106	Brazil	7.73	72.88	0.24	
9	United Kingdom	1.02	96.64	0.75		107	Senegal	8.02	71.86	0.23	
36	Albania	1.09	96.39	0.75	●	108	Egypt (2009)	8.05	71.75	0.22	
37	Japan	1.22	95.93	0.74		109	India (2009)	8.18	71.29	0.22	
38	Croatia	1.37	95.40	0.73		110	Burkina Faso	8.35	70.69	0.21	
39	Bosnia and Herzegovina	1.41	95.26	0.72	●	111	Mali	8.40	70.51	0.20	
40	Peru (2011)	1.51	94.90	0.72		112	Ghana (2009)	8.58	69.88	0.20	
41	United States of America	1.54	94.80	0.71		113	Algeria (2009)	8.61	69.77	0.19	
42	New Zealand (2010)	1.62	94.51	0.70		114	Venezuela, Bolivarian Rep.	8.62	69.73	0.18	
43	Australia (2011)	1.81	93.84	0.70		115	Korea, Rep. (2010)	8.71	69.42	0.17	○
44	TFYR of Macedonia	1.86	93.66	0.69		116	Madagascar	9.14	67.89	0.17	
45	Belarus	1.95	93.35	0.68		117	Pakistan (2009)	9.53	66.51	0.16	
46	Ukraine	2.06	92.96	0.67		118	Niger	9.68	65.98	0.15	
47	Mexico (2010)	2.19	92.50	0.67		119	Fiji (2011)	9.89	65.24	0.14	○
48	Armenia	2.29	92.14	0.66		120	Cambodia (2008)	9.91	65.17	0.14	
49	Nicaragua (2010)	2.30	92.11	0.65	●	121	Trinidad and Tobago (2008)	10.03	64.74	0.13	
50	El Salvador	2.42	91.68	0.64		122	Cabo Verde (2011)	10.20	64.14	0.12	
50	Kyrgyzstan	2.42	91.68	0.64		123	Ethiopia	10.33	63.68	0.12	
52	Indonesia (2011)	2.59	91.08	0.63		124	Kenya	10.49	63.12	0.11	
53	Moldova, Rep.	2.62	90.97	0.62		125	Nigeria (2010)	10.55	62.90	0.10	
54	Montenegro	2.63	90.94	0.62		126	Togo	11.08	61.03	0.09	
55	Guatemala	2.74	90.55	0.60		127	Tanzania, United Rep.	11.54	59.40	0.09	
55	Turkey (2011)	2.74	90.55	0.60		128	Nepal	11.57	59.29	0.08	○
57	Kazakhstan	2.96	89.77	0.59		129	Guinea	11.91	58.09	0.07	
58	Costa Rica (2010)	3.09	89.31	0.59		130	Gambia	12.49	56.04	0.07	○
59	Myanmar (2008)	3.18	88.99	0.58	●	131	Cameroon	12.65	55.47	0.06	○
60	Morocco	3.40	88.21	0.57		132	Lesotho	12.70	55.29	0.05	○
61	Bolivia, Plurinational St.	3.66	87.29	0.57	●	133	Bangladesh (2008)	13.00	54.23	0.04	○
62	United Arab Emirates	3.77	86.90	0.56		134	Sudan (2011)	14.73	48.11	0.04	
63	Malaysia (2009)	3.95	86.27	0.55		135	Barbados (2007)	14.77	47.96	0.03	○
64	Chile (2010)	4.02	86.02	0.54		136	Tunisia (2008)	15.95	43.79	0.02	○
65	Oman	4.08	85.81	0.54		137	Bhutan (2007)	17.75	37.42	0.01	○
66	China (2011)	4.10	85.73	0.53		138	Iran, Islamic Rep. (2011)	21.77	23.19	0.01	○
67	Qatar	4.12	85.66	0.51		139	Seychelles (2007)	28.32	0.00	0.00	○
67	Zambia	4.12	85.66	0.51		n/a	Hong Kong (China)	n/a	n/a	n/a	
69	Uruguay	4.13	85.63	0.51		n/a	Zimbabwe	n/a	n/a	n/a	
70	South Africa	4.24	85.24	0.50							
71	Ecuador	4.26	85.17	0.49							
72	Paraguay	4.29	85.06	0.49							

SOURCE: World Bank, based on UNCTAD TRAINS, WTO, IDB, CTS, and UN COMTRADE databases; extracted from World Bank *World Development Indicators* database

NOTE: ● indicates a strength; ○ a weakness

4.3.2 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] | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Japan	6.37	89.52	1.00	●	73	Malawi	4.95	65.77	0.45	
2	Malta	6.09	84.76	0.99	●	74	Zimbabwe	4.94	65.62	0.45	
3	Hong Kong (China)	6.06	84.30	0.98	●	75	Rwanda	4.93	65.56	0.44	
4	United Kingdom	6.05	84.22	0.98	●	76	Bangladesh	4.92	65.37	0.43	
5	Belgium	6.05	84.09	0.97	●	77	Iceland	4.90	64.92	0.42	
6	Australia	5.99	83.24	0.96	●	78	Senegal	4.89	64.75	0.42	
7	United Arab Emirates	5.96	82.60	0.95	●	79	Mongolia	4.88	64.73	0.41	
8	United States of America	5.94	82.28	0.95		80	Croatia	4.88	64.71	0.40	
9	Turkey	5.93	82.16	0.94	●	81	Pakistan	4.87	64.53	0.39	
10	Germany	5.91	81.84	0.93		82	Armenia	4.87	64.48	0.39	
11	Korea, Rep.	5.89	81.52	0.92		83	Cambodia	4.86	64.30	0.38	
12	Netherlands	5.87	81.10	0.92		84	Gambia	4.85	64.23	0.37	
13	Austria	5.82	80.29	0.91	●	85	Honduras	4.81	63.45	0.36	
14	Sri Lanka	5.76	79.41	0.90	●	86	El Salvador	4.80	63.39	0.36	
15	Czech Republic	5.73	78.88	0.89		87	Madagascar	4.80	63.26	0.35	
16	Qatar	5.73	78.75	0.89		88	India	4.79	63.09	0.34	
17	Switzerland	5.71	78.48	0.88		89	Tunisia	4.78	62.94	0.33	
18	Singapore	5.67	77.75	0.87		90	Lesotho	4.77	62.86	0.33	
19	Kenya	5.66	77.64	0.86	●	91	Nepal	4.77	62.77	0.32	
20	Lithuania	5.62	77.07	0.86	●	92	Botswana	4.75	62.44	0.31	
21	Latvia	5.61	76.84	0.85		93	Mozambique	4.72	61.93	0.30	
22	Mauritius	5.60	76.73	0.84		94	Mali	4.70	61.73	0.30	
23	Zambia	5.59	76.57	0.83	●	95	Moldova, Rep.	4.68	61.35	0.29	
24	New Zealand	5.59	76.54	0.83		96	Myanmar	4.68	61.34	0.28	●
25	Chile	5.59	76.51	0.82		97	Ukraine	4.68	61.33	0.27	
26	Barbados	5.58	76.41	0.81		98	Guyana	4.67	61.12	0.27	
27	Estonia	5.55	75.83	0.80		99	Uruguay	4.66	61.05	0.26	
28	Lebanon	5.52	75.27	0.80	●	100	Namibia	4.64	60.67	0.25	
29	France	5.51	75.11	0.79		101	Georgia	4.64	60.67	0.24	
30	Slovakia	5.50	75.03	0.78		102	Bhutan	4.61	60.23	0.23	
31	Canada	5.50	74.99	0.77		103	Kyrgyzstan	4.61	60.12	0.23	
32	Malaysia	5.50	74.95	0.77		104	Finland	4.60	60.04	0.22	○
33	Spain	5.48	74.60	0.76		105	Cameroon	4.58	59.70	0.21	
34	South Africa	5.46	74.36	0.75		106	Burkina Faso	4.57	59.42	0.20	
35	Cyprus	5.43	73.76	0.74		107	Kazakhstan	4.56	59.27	0.20	
36	Thailand	5.42	73.67	0.73		108	Côte d'Ivoire	4.55	59.21	0.19	
37	Jamaica	5.41	73.49	0.73	●	109	Ethiopia	4.53	58.77	0.18	
38	Saudi Arabia	5.41	73.48	0.72		110	Kuwait	4.51	58.48	0.17	
39	Sweden	5.41	73.47	0.71		111	Swaziland	4.51	58.44	0.17	
40	Guatemala	5.40	73.40	0.70	●	112	Cabo Verde	4.46	57.61	0.16	
41	TFYR of Macedonia	5.39	73.21	0.70		113	Ghana	4.45	57.44	0.15	
42	China	5.36	72.64	0.69		114	Iran, Islamic Rep.	4.40	56.59	0.14	
43	Denmark	5.36	72.63	0.68		115	Romania	4.36	55.96	0.14	○
44	Bahrain	5.35	72.58	0.67		116	Azerbaijan	4.35	55.81	0.13	○
45	Hungary	5.35	72.48	0.67		117	Tajikistan	4.32	55.33	0.12	
46	Morocco	5.34	72.37	0.66		118	Tanzania, United Rep.	4.32	55.30	0.11	
47	Norway	5.34	72.28	0.65		119	Yemen	4.27	54.46	0.11	
48	Nigeria	5.28	71.32	0.64	●	120	Israel	4.24	54.04	0.10	○
49	Poland	5.27	71.20	0.64		121	Seychelles	4.23	53.85	0.09	○
50	Brazil	5.27	71.19	0.63		122	Serbia	4.20	53.33	0.08	○
51	Indonesia	5.26	71.04	0.62		123	Guinea	4.20	53.28	0.08	
52	Luxembourg	5.25	70.77	0.61		124	Nicaragua	4.18	52.92	0.07	○
53	Uganda	5.24	70.68	0.61	●	125	Argentina	4.07	51.22	0.06	○
54	Colombia	5.22	70.35	0.60		126	Egypt	4.05	50.81	0.05	○
55	Jordan	5.20	69.92	0.59		127	Burundi	3.91	48.56	0.05	
56	Italy	5.19	69.84	0.58		128	Montenegro	3.88	48.00	0.04	○
57	Costa Rica	5.18	69.73	0.58		129	Algeria	3.80	46.74	0.03	○
58	Ireland	5.17	69.56	0.57	○	130	Bolivia, Plurinational St.	3.76	46.00	0.02	○
59	Philippines	5.15	69.25	0.56		131	Albania	3.49	41.51	0.02	○
60	Trinidad and Tobago	5.15	69.24	0.55		132	Venezuela, Bolivarian Rep.	2.87	31.15	0.01	○
61	Portugal	5.14	69.08	0.55		133	Angola	2.60	26.69	0.00	○
62	Mexico	5.13	68.91	0.54		n/a	Belarus	n/a	n/a	n/a	
63	Viet Nam	5.12	68.73	0.53		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
64	Slovenia	5.12	68.59	0.52		n/a	Ecuador	n/a	n/a	n/a	
65	Panama	5.10	68.37	0.52		n/a	Fiji	n/a	n/a	n/a	
66	Paraguay	5.08	67.94	0.51		n/a	Niger	n/a	n/a	n/a	
67	Peru	5.07	67.80	0.50		n/a	Sudan	n/a	n/a	n/a	
68	Greece	5.05	67.55	0.49		n/a	Togo	n/a	n/a	n/a	
69	Dominican Republic	5.00	66.65	0.48		n/a	Uzbekistan	n/a	n/a	n/a	
70	Oman	5.00	66.62	0.48							
71	Russian Federation	4.97	66.23	0.47							
72	Bulgaria	4.96	66.06	0.46							

SOURCE: World Economic Forum, *Executive Opinion Survey 2014–2015*

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	59.07	100.00	1.00	●	73	Bangladesh (2011)	20.01	33.03	0.37	
2	Singapore	52.67	89.04	0.99	●	74	Pakistan (2008)	19.48	32.12	0.37	
3	Switzerland	50.98	86.13	0.98	●	75	Venezuela, Bolivarian Rep.	19.17	31.60	0.36	
4	Sweden (2014)	49.39	83.40	0.97	●	76	Turkey	19.17	31.58	0.35	
5	Iceland	49.27	83.21	0.97	●	77	Mexico	19.14	31.54	0.34	
6	United Kingdom	47.72	80.54	0.96		78	Paraguay	18.90	31.13	0.33	
7	Norway	46.85	79.05	0.95		79	Kuwait (2005)	18.70	30.78	0.32	
8	Israel	46.49	78.43	0.94		80	Qatar	18.25	30.01	0.31	
9	Netherlands	46.44	78.36	0.93		81	Botswana (2010)	17.92	29.45	0.30	
10	Denmark	45.50	76.74	0.92		82	Algeria	17.57	28.84	0.30	
11	Finland	44.69	75.35	0.91		83	Kyrgyzstan	17.33	28.43	0.29	
12	Belgium	44.39	74.84	0.90		84	Dominican Republic	17.18	28.18	0.28	
13	France	44.36	74.78	0.90	●	85	Yemen (2005)	16.97	27.82	0.27	●
14	Canada	44.17	74.45	0.89		86	Colombia (2010)	16.82	27.55	0.26	
15	Australia	43.76	73.75	0.88		87	Fiji (2010)	16.67	27.31	0.25	
16	Russian Federation	43.60	73.48	0.87	●	88	Bhutan	16.47	26.97	0.24	
17	New Zealand (2008)	42.92	72.32	0.86		89	Albania (2009)	16.08	26.30	0.23	
18	Germany	42.87	72.23	0.85		90	Iran, Islamic Rep. (2010)	15.99	26.14	0.23	
19	Lithuania	42.81	72.13	0.84	●	91	Sri Lanka	15.67	25.60	0.22	
20	Slovenia	42.18	71.04	0.83		92	Bolivia, Plurinational St. (2009)	15.25	24.88	0.21	
21	Estonia	41.84	70.47	0.83		93	Peru	14.96	24.37	0.20	
22	Malta	40.59	68.32	0.82		94	Nicaragua (2006)	14.82	24.14	0.19	
23	Ireland	40.46	68.09	0.81		95	Namibia	14.55	23.68	0.18	
24	Austria	39.80	66.96	0.80		96	Ecuador	14.35	23.33	0.17	
25	Latvia	39.24	66.00	0.79		97	Thailand	13.93	22.61	0.17	○
26	United States of America	38.01	63.90	0.78		98	Honduras (2005)	12.83	20.73	0.16	
27	Czech Republic	37.80	63.54	0.77		99	El Salvador	12.13	19.52	0.15	
28	Hong Kong (China)	37.31	62.69	0.77		100	Guatemala	10.85	17.32	0.14	
29	Montenegro (2012)	37.21	62.53	0.76		101	Viet Nam	9.99	15.86	0.13	○
30	Egypt	36.25	60.88	0.75	●	102	Indonesia	8.90	13.98	0.12	
31	United Arab Emirates (2008)	36.09	60.60	0.74		103	Ghana (2010)	8.61	13.48	0.11	
32	Poland	35.93	60.34	0.73		104	China (2005)	7.37	11.36	0.10	○
33	Belarus (2009)	35.89	60.26	0.72		105	Zambia (2010)	7.28	11.21	0.10	
34	Hungary	35.59	59.75	0.71		106	Morocco (2008)	6.79	10.36	0.09	○
35	Croatia	35.39	59.41	0.70		107	Lesotho	6.76	10.32	0.08	
36	Italy	35.14	58.98	0.70		108	Zimbabwe (2011)	6.61	10.06	0.07	
37	Cyprus	35.14	58.97	0.69		109	Nepal (2008)	4.28	6.06	0.06	○
38	Portugal (2014)	34.83	58.44	0.68		110	Cambodia (2010)	4.12	5.78	0.05	○
39	Ukraine	33.74	56.57	0.67		111	Uganda	4.09	5.73	0.04	○
40	Spain (2014)	33.09	55.46	0.66		112	Ethiopia	3.77	5.19	0.03	
41	Kazakhstan	32.33	54.16	0.65		113	Rwanda (2012)	3.76	5.16	0.03	○
42	Greece	32.27	54.05	0.64		114	Madagascar (2012)	3.54	4.79	0.02	○
43	Lebanon (2007)	31.85	53.34	0.63		115	Tanzania, United Rep. (2006)	2.57	3.12	0.01	○
44	Slovakia	31.76	53.19	0.63		116	Guinea (2010)	0.75	0.00	0.00	○
45	Bulgaria	30.97	51.82	0.62		n/a	Angola	n/a	n/a	n/a	
46	Barbados	30.90	51.71	0.61		n/a	Bahrain	n/a	n/a	n/a	
47	Moldova, Rep.	29.96	50.08	0.60		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
48	Jordan (2004)	28.18	47.05	0.59		n/a	Burkina Faso	n/a	n/a	n/a	
49	Serbia	28.12	46.94	0.58		n/a	Burundi	n/a	n/a	n/a	
50	TFYR of Macedonia	27.89	46.54	0.57		n/a	Cabo Verde	n/a	n/a	n/a	
51	Trinidad and Tobago	26.99	45.01	0.57		n/a	Cameroon	n/a	n/a	n/a	
52	Armenia (2011)	26.89	44.83	0.56		n/a	Côte d'Ivoire	n/a	n/a	n/a	
53	Saudi Arabia	26.56	44.26	0.55		n/a	Gambia	n/a	n/a	n/a	
54	Seychelles (2011)	26.36	43.92	0.54		n/a	Guyana	n/a	n/a	n/a	
55	South Africa	25.52	42.48	0.53		n/a	India	n/a	n/a	n/a	
56	Costa Rica	25.01	41.61	0.52		n/a	Kenya	n/a	n/a	n/a	
57	Malaysia	24.74	41.14	0.51		n/a	Malawi	n/a	n/a	n/a	
58	Argentina (2012)	24.59	40.89	0.50		n/a	Mali	n/a	n/a	n/a	
59	Panama (2012)	24.39	40.54	0.50		n/a	Mozambique	n/a	n/a	n/a	
60	Chile	24.34	40.46	0.49		n/a	Myanmar	n/a	n/a	n/a	
61	Mongolia (2012)	24.33	40.44	0.48		n/a	Niger	n/a	n/a	n/a	
62	Japan	24.32	40.43	0.47		n/a	Nigeria	n/a	n/a	n/a	
63	Philippines	23.74	39.42	0.46		n/a	Oman	n/a	n/a	n/a	
64	Azerbaijan	23.40	38.84	0.45		n/a	Senegal	n/a	n/a	n/a	
65	Uruguay (2011)	23.12	38.37	0.44		n/a	Sudan	n/a	n/a	n/a	
66	Georgia (2007)	22.25	36.87	0.43		n/a	Swaziland	n/a	n/a	n/a	
67	Korea, Rep. (2012)	21.29	35.23	0.43		n/a	Tajikistan	n/a	n/a	n/a	
68	Romania	21.17	35.02	0.42		n/a	Togo	n/a	n/a	n/a	
69	Brazil	21.04	34.80	0.41		n/a	Uzbekistan	n/a	n/a	n/a	
70	Tunisia (2012)	20.94	34.62	0.40							
71	Mauritius (2012)	20.37	33.66	0.39							
72	Jamaica (2008)	20.11	33.21	0.38							

SOURCE: International Labour Organization, *ILOSTAT Database of Labour Statistics* Beta version (2004–14)

NOTE: ● indicates a strength; ○ a weakness

5.1.2 Firms offering formal training

Firms offering formal training (% of firms) | 2013

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	●	73	Nigeria (2007)	25.70	29.42	0.33	
2	Thailand (2006)	75.30	94.85	0.99	●	74	Gambia (2006)	25.60	29.29	0.31	
3	Ireland (2005)	73.20	92.08	0.98	●	74	Mauritius (2009)	25.60	29.29	0.31	
4	Ecuador (2010)	65.90	82.45	0.97	●	76	Cameroon (2009)	25.50	29.16	0.31	
5	Colombia (2010)	65.20	81.53	0.96	●	77	Latvia	25.20	28.76	0.30	○
6	Argentina (2010)	63.60	79.42	0.95	●	78	Burkina Faso (2009)	24.80	28.23	0.29	
7	Kyrgyzstan	63.50	79.29	0.94	●	79	Morocco (2007)	24.70	28.10	0.28	
8	Guyana (2010)	63.00	78.63	0.94	●	80	Albania	23.80	26.91	0.27	
9	Mongolia	62.30	77.70	0.93	●	81	Montenegro	23.70	26.78	0.26	○
10	El Salvador (2010)	61.00	75.99	0.91	●	82	Angola (2010)	23.50	26.52	0.25	●
10	Fiji (2009)	61.00	75.99	0.91	●	83	Bhutan (2009)	23.30	26.25	0.24	
12	Peru (2010)	60.10	74.80	0.90	●	84	Ukraine	22.50	25.20	0.23	
13	Chile (2010)	57.50	71.37	0.89	●	85	Burundi (2006)	22.10	24.67	0.21	
14	Bolivia, Plurinational St. (2010)	57.10	70.84	0.88	●	85	Mozambique (2007)	22.10	24.67	0.21	
15	Dominican Republic (2010)	57.00	70.71	0.87	●	87	Bangladesh	21.90	24.41	0.20	
16	Venezuela, Bolivarian Rep. (2010)	56.00	69.39	0.86	●	88	Egypt (2008)	21.70	24.14	0.19	
17	Rwanda (2011)	55.40	68.60	0.85	●	89	Guinea (2006)	21.10	23.35	0.19	
18	Czech Republic	55.20	68.34	0.84		90	Azerbaijan	20.30	22.30	0.18	
19	Paraguay (2010)	54.90	67.94	0.83	●	91	Greece (2005)	20.00	21.90	0.17	○
20	Costa Rica (2010)	54.70	67.68	0.82	●	92	Côte d'Ivoire (2009)	19.10	20.71	0.16	
21	Bosnia and Herzegovina	52.10	64.25	0.81	●	93	Israel	18.60	20.05	0.15	○
22	Botswana (2010)	51.90	63.98	0.80	●	94	Sri Lanka (2011)	18.40	19.79	0.14	○
22	Guatemala (2010)	51.90	63.98	0.80	●	95	Algeria (2007)	17.30	18.34	0.13	
24	Spain (2005)	51.30	63.19	0.79		96	Cabo Verde (2009)	16.60	17.41	0.12	
25	Belarus	51.10	62.93	0.78	●	97	Senegal (2007)	16.30	17.02	0.11	
26	Swaziland (2006)	51.00	62.80	0.77	●	98	India (2006)	15.90	16.49	0.10	○
27	Mexico (2010)	50.80	62.53	0.76		99	Hungary	15.70	16.23	0.09	○
28	Malaysia (2007)	50.10	61.61	0.75		100	Myanmar (2014)	15.10	15.44	0.08	
29	Croatia	48.90	60.03	0.74		101	Armenia	14.20	14.25	0.07	○
30	Uruguay (2010)	48.60	59.63	0.73	●	102	Yemen (2010)	12.90	12.53	0.06	
31	Cambodia (2007)	48.40	59.37	0.71	●	103	Madagascar	12.70	12.27	0.06	
31	Malawi (2009)	48.40	59.37	0.71	●	104	Panama (2010)	11.00	10.03	0.05	○
33	Nicaragua (2010)	47.20	57.78	0.70	●	105	Uzbekistan	10.90	9.89	0.04	○
34	Russian Federation (2012)	46.10	56.33	0.69		106	Georgia	10.50	9.37	0.03	○
35	TFYR of Macedonia	46.00	56.20	0.69		107	Pakistan (2007)	6.70	4.35	0.02	○
36	Slovakia	44.90	54.75	0.68		108	Indonesia (2009)	4.70	1.72	0.01	○
37	Namibia (2006)	44.50	54.22	0.67	●	109	Jordan	3.40	0.00	0.00	○
38	Viet Nam (2009)	43.50	52.90	0.66		n/a	Australia	n/a	n/a	n/a	
39	Bulgaria	42.80	51.98	0.65		n/a	Austria	n/a	n/a	n/a	
40	Lesotho (2009)	42.50	51.58	0.64	●	n/a	Bahrain	n/a	n/a	n/a	
41	Brazil (2009)	42.20	51.19	0.63		n/a	Belgium	n/a	n/a	n/a	
42	Lithuania	42.00	50.92	0.62		n/a	Canada	n/a	n/a	n/a	
43	Slovenia	41.40	50.13	0.61		n/a	Cyprus	n/a	n/a	n/a	
44	Romania	40.80	49.34	0.60		n/a	Denmark	n/a	n/a	n/a	
45	Kenya	40.60	49.08	0.59		n/a	Finland	n/a	n/a	n/a	
46	Ghana	40.10	48.42	0.58		n/a	France	n/a	n/a	n/a	
47	Korea, Rep. (2005)	39.50	47.63	0.57		n/a	Hong Kong (China)	n/a	n/a	n/a	
48	South Africa (2007)	36.80	44.06	0.56		n/a	Iceland	n/a	n/a	n/a	
49	Honduras (2010)	35.80	42.74	0.56		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
50	Barbados (2010)	35.50	42.35	0.55		n/a	Italy	n/a	n/a	n/a	
51	Germany (2005)	35.40	42.22	0.54		n/a	Japan	n/a	n/a	n/a	
52	Estonia	35.00	41.69	0.53		n/a	Kuwait	n/a	n/a	n/a	
53	Poland	34.60	41.16	0.52		n/a	Luxembourg	n/a	n/a	n/a	
54	Uganda	34.30	40.77	0.51		n/a	Malta	n/a	n/a	n/a	
55	Tajikistan	33.60	39.84	0.50		n/a	Netherlands	n/a	n/a	n/a	
56	Moldova, Rep.	32.80	38.79	0.49		n/a	New Zealand	n/a	n/a	n/a	
57	Mali (2010)	32.10	37.86	0.47		n/a	Norway	n/a	n/a	n/a	
57	Niger (2009)	32.10	37.86	0.47		n/a	Oman	n/a	n/a	n/a	
59	Nepal	31.90	37.60	0.45	●	n/a	Qatar	n/a	n/a	n/a	
59	Portugal (2005)	31.90	37.60	0.45	○	n/a	Saudi Arabia	n/a	n/a	n/a	
61	Zimbabwe (2011)	31.20	36.68	0.44		n/a	Seychelles	n/a	n/a	n/a	
62	Philippines (2009)	31.10	36.54	0.44		n/a	Singapore	n/a	n/a	n/a	
63	Togo (2009)	31.00	36.41	0.43	●	n/a	Sudan	n/a	n/a	n/a	
64	Tanzania, United Rep.	30.70	36.02	0.42		n/a	Sweden	n/a	n/a	n/a	
65	Serbia	30.60	35.88	0.41		n/a	Switzerland	n/a	n/a	n/a	
66	Ethiopia (2011)	30.00	35.09	0.40		n/a	Tunisia	n/a	n/a	n/a	
67	Kazakhstan	28.40	32.98	0.38		n/a	United Arab Emirates	n/a	n/a	n/a	
67	Turkey	28.40	32.98	0.38		n/a	United Kingdom	n/a	n/a	n/a	
69	Zambia	28.20	32.72	0.37		n/a	United States of America	n/a	n/a	n/a	
70	Trinidad and Tobago (2010)	28.00	32.45	0.36							
71	Lebanon	26.60	30.61	0.35							
72	Jamaica (2010)	25.90	29.68	0.34							

SOURCE: International Finance Corporation and World Bank, *Enterprise Surveys* (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	Israel	3.48	100.00	1.00	●	73	Uruguay (2012)	0.04	1.24	0.18	○
2	Korea, Rep.	3.26	93.77	0.99	●	74	Kyrgyzstan (2011)	0.04	1.05	0.17	
3	Japan	2.65	76.32	0.98	●	75	TFYR of Macedonia (2011)	0.03	1.00	0.16	○
4	Finland	2.38	68.43	0.97		76	Oman (2011)	0.03	0.91	0.15	○
5	Sweden	2.36	67.89	0.95		77	Azerbaijan	0.02	0.63	0.14	
6	Switzerland (2012)	2.17	62.30	0.94		78	Namibia (2010)	0.02	0.53	0.13	○
7	Germany	2.04	58.79	0.93		79	Indonesia (2009)	0.02	0.45	0.11	
8	Denmark	2.03	58.44	0.92		80	Mongolia	0.01	0.40	0.10	○
9	Slovenia	2.03	58.35	0.91		81	Mali (2007)	0.01	0.21	0.09	
10	Austria	1.99	57.35	0.90		82	Ethiopia	0.01	0.21	0.08	
11	United States of America (2012)	1.95	56.08	0.89		83	Zambia (2008)	0.01	0.20	0.07	○
12	Belgium	1.63	46.82	0.88		84	Panama (2011)	0.00	0.10	0.06	○
13	China	1.60	45.89	0.86		85	Senegal (2010)	0.00	0.05	0.05	○
14	France	1.48	42.64	0.85		86	Trinidad and Tobago (2009)	0.00	0.03	0.03	○
15	Iceland (2011)	1.38	39.82	0.84		87	Ghana (2010)	0.00	0.01	0.02	○
16	Australia (2011)	1.30	37.46	0.83		88	Paraguay (2011)	0.00	0.01	0.01	○
17	Singapore (2012)	1.23	35.42	0.82		89	Guatemala (2012)	0.00	0.00	0.00	○
18	Netherlands	1.22	34.99	0.81		n/a	Albania	n/a	n/a	n/a	
19	Ireland (2012)	1.20	34.42	0.80		n/a	Algeria	n/a	n/a	n/a	
20	United Kingdom	1.11	32.03	0.78		n/a	Angola	n/a	n/a	n/a	
21	Czech Republic	1.08	31.20	0.77		n/a	Armenia	n/a	n/a	n/a	
22	Hungary	1.00	28.85	0.76		n/a	Bahrain	n/a	n/a	n/a	
23	Norway	0.89	25.49	0.75		n/a	Bangladesh	n/a	n/a	n/a	
24	Estonia	0.84	24.25	0.74		n/a	Barbados	n/a	n/a	n/a	
25	Canada	0.83	23.75	0.73		n/a	Bhutan	n/a	n/a	n/a	
26	Malaysia (2012)	0.73	20.90	0.72		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
27	Luxembourg	0.71	20.31	0.70		n/a	Brazil	n/a	n/a	n/a	
28	Italy	0.70	20.11	0.69		n/a	Burkina Faso	n/a	n/a	n/a	
29	Russian Federation	0.68	19.58	0.68		n/a	Burundi	n/a	n/a	n/a	
30	Spain	0.68	19.53	0.67		n/a	Cabo Verde	n/a	n/a	n/a	
31	Portugal	0.67	19.17	0.66		n/a	Cambodia	n/a	n/a	n/a	
32	New Zealand (2011)	0.58	16.54	0.65		n/a	Cameroon	n/a	n/a	n/a	
33	Malta	0.48	13.74	0.64		n/a	Côte d'Ivoire	n/a	n/a	n/a	
34	Turkey	0.45	12.95	0.63		n/a	Dominican Republic	n/a	n/a	n/a	
35	Belarus	0.45	12.90	0.61		n/a	Egypt	n/a	n/a	n/a	
36	Ukraine	0.42	12.19	0.60		n/a	El Salvador	n/a	n/a	n/a	
37	Croatia	0.41	11.80	0.59		n/a	Fiji	n/a	n/a	n/a	
38	Bulgaria	0.41	11.71	0.58		n/a	Gambia	n/a	n/a	n/a	
39	Slovakia	0.39	11.27	0.57		n/a	Georgia	n/a	n/a	n/a	
40	Poland	0.38	11.06	0.56		n/a	Guinea	n/a	n/a	n/a	
41	South Africa (2012)	0.34	9.68	0.55		n/a	Guyana	n/a	n/a	n/a	
42	Hong Kong (China) (2012)	0.33	9.38	0.53		n/a	Honduras	n/a	n/a	n/a	
43	India (2011)	0.29	8.22	0.52		n/a	Jamaica	n/a	n/a	n/a	
44	Greece	0.27	7.85	0.51		n/a	Jordan	n/a	n/a	n/a	
45	Lithuania	0.24	7.02	0.50		n/a	Kuwait	n/a	n/a	n/a	
46	Serbia (2012)	0.24	6.97	0.49		n/a	Lebanon	n/a	n/a	n/a	
47	Morocco (2010)	0.22	6.32	0.48		n/a	Lesotho	n/a	n/a	n/a	
48	Ecuador (2011)	0.20	5.87	0.47		n/a	Madagascar	n/a	n/a	n/a	
49	Thailand (2011)	0.20	5.64	0.45		n/a	Malawi	n/a	n/a	n/a	
50	Uganda (2010)	0.19	5.58	0.44		n/a	Mauritius	n/a	n/a	n/a	
51	Mexico	0.19	5.44	0.43		n/a	Mozambique	n/a	n/a	n/a	
52	Latvia	0.17	4.86	0.42		n/a	Myanmar	n/a	n/a	n/a	
53	Bosnia and Herzegovina (2012)	0.16	4.58	0.41		n/a	Nepal	n/a	n/a	n/a	
54	United Arab Emirates (2011)	0.14	4.02	0.40		n/a	Nicaragua	n/a	n/a	n/a	
55	Argentina (2012)	0.13	3.60	0.39		n/a	Niger	n/a	n/a	n/a	
56	Chile (2012)	0.13	3.59	0.38	○	n/a	Nigeria	n/a	n/a	n/a	
57	Qatar (2012)	0.12	3.50	0.36		n/a	Pakistan	n/a	n/a	n/a	
58	Romania	0.12	3.44	0.35		n/a	Rwanda	n/a	n/a	n/a	
59	Sudan (2005)	0.10	2.89	0.34	●	n/a	Saudi Arabia	n/a	n/a	n/a	
60	Montenegro (2011)	0.09	2.62	0.33		n/a	Seychelles	n/a	n/a	n/a	
61	Kenya (2010)	0.08	2.41	0.32		n/a	Swaziland	n/a	n/a	n/a	
62	Botswana (2005)	0.08	2.38	0.31		n/a	Tajikistan	n/a	n/a	n/a	
63	Cyprus	0.08	2.32	0.30		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
64	Iran, Islamic Rep. (2008)	0.08	2.28	0.28		n/a	Togo	n/a	n/a	n/a	
65	Costa Rica (2011)	0.08	2.16	0.27		n/a	Tunisia	n/a	n/a	n/a	
66	Moldova, Rep.	0.07	2.03	0.26	○	n/a	Uzbekistan	n/a	n/a	n/a	
67	Sri Lanka (2010)	0.07	1.97	0.25		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Philippines (2007)	0.06	1.79	0.24		n/a	Yemen	n/a	n/a	n/a	
69	Kazakhstan	0.05	1.53	0.23		n/a	Zimbabwe	n/a	n/a	n/a	
70	Colombia	0.05	1.51	0.22							
71	Viet Nam (2011)	0.05	1.42	0.20							
72	Peru (2004)	0.05	1.33	0.19	○						

SOURCE: UNESCO Institute for Statistics, *UIS online database*

NOTE: ● indicates a strength; ○ a weakness

5.1.4

GERD financed by business enterprise

GERD: Financed by business enterprise (% of total GERD) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Korea, Rep.	75.68	100.00	1.00	●	73	Bolivia, Plurinational St. (2009)	5.20	6.78	0.20	
2	Japan	75.48	99.73	0.99	●	74	Azerbaijan	4.59	5.97	0.19	
3	China	74.60	98.57	0.98	●	75	Oman (2011)	4.56	5.93	0.18	○
4	Germany (2012)	66.07	87.29	0.97	●	76	Kenya (2010)	4.34	5.64	0.17	
5	Slovenia	63.85	84.35	0.96	●	77	Senegal (2010)	4.10	5.31	0.16	
6	Philippines (2007)	61.96	81.85	0.94	●	78	Lesotho (2009)	3.38	4.36	0.14	
7	Australia (2008)	61.91	81.78	0.93		79	Albania (2008)	3.26	4.21	0.13	
8	Sweden	60.95	80.52	0.92		80	Zambia (2008)	3.23	4.16	0.12	
9	Finland	60.84	80.37	0.91		81	El Salvador (2012)	2.75	3.54	0.11	○
10	Switzerland (2012)	60.78	80.29	0.90		82	Tajikistan (2011)	1.65	2.08	0.10	
11	Malaysia (2012)	60.20	79.52	0.89		83	Kuwait	1.42	1.77	0.09	○
12	Belgium (2011)	60.15	79.46	0.88		84	Bosnia and Herzegovina (2012)	1.15	1.42	0.08	○
13	Denmark	59.78	78.97	0.87		85	Paraguay (2012)	0.85	1.02	0.07	○
14	United States of America (2012)	59.13	78.11	0.86		86	Ethiopia	0.75	0.89	0.06	
15	France (2012)	55.38	73.15	0.84		87	Ecuador (2011)	0.42	0.44	0.04	○
16	Singapore (2012)	53.37	70.49	0.83		88	Mauritius (2012)	0.27	0.26	0.03	○
17	Thailand (2011)	51.74	68.34	0.82		89	Nigeria (2007)	0.16	0.11	0.02	○
18	Ireland (2012)	50.34	66.48	0.81		90	Ghana (2010)	0.10	0.03	0.01	○
19	Iceland (2011)	49.85	65.83	0.80		91	Tanzania, United Rep. (2010)	0.08	0.00	0.00	○
20	Hong Kong (China) (2012)	49.73	65.67	0.79		n/a	Algeria	n/a	n/a	n/a	
21	Turkey	48.87	64.54	0.78	●	n/a	Angola	n/a	n/a	n/a	
22	Netherlands	47.10	62.20	0.77		n/a	Armenia	n/a	n/a	n/a	
23	Hungary	46.80	61.80	0.76		n/a	Bahrain	n/a	n/a	n/a	
24	United Kingdom	46.55	61.46	0.74		n/a	Bangladesh	n/a	n/a	n/a	
25	Canada	46.45	61.33	0.73		n/a	Barbados	n/a	n/a	n/a	
26	Portugal (2012)	46.04	60.79	0.72		n/a	Bhutan	n/a	n/a	n/a	
27	Spain (2012)	45.64	60.27	0.71		n/a	Botswana	n/a	n/a	n/a	
28	Austria (2014)	44.49	58.74	0.70		n/a	Burundi	n/a	n/a	n/a	
29	Malta	44.33	58.53	0.69		n/a	Cabo Verde	n/a	n/a	n/a	
30	Italy (2012)	44.29	58.48	0.68		n/a	Cambodia	n/a	n/a	n/a	
31	Norway (2011)	44.20	58.36	0.67		n/a	Cameroon	n/a	n/a	n/a	
32	Belarus	43.79	57.82	0.66		n/a	Côte d'Ivoire	n/a	n/a	n/a	
33	Brazil (2012)	43.07	56.87	0.64		n/a	Dominican Republic	n/a	n/a	n/a	
34	Croatia	42.79	56.49	0.63		n/a	Egypt	n/a	n/a	n/a	
35	Estonia	41.28	54.50	0.62		n/a	Fiji	n/a	n/a	n/a	
36	Sri Lanka (2010)	40.93	54.03	0.61		n/a	Gambia	n/a	n/a	n/a	
37	Slovakia	40.19	53.06	0.60		n/a	Georgia	n/a	n/a	n/a	
38	New Zealand (2011)	39.96	52.75	0.59		n/a	Guatemala	n/a	n/a	n/a	
39	Kyrgyzstan (2011)	38.58	50.93	0.58		n/a	Guinea	n/a	n/a	n/a	
40	South Africa (2012)	38.34	50.61	0.57		n/a	Guyana	n/a	n/a	n/a	
41	Czech Republic	37.60	49.62	0.56		n/a	Honduras	n/a	n/a	n/a	
42	Poland	37.33	49.27	0.54		n/a	India	n/a	n/a	n/a	
43	Israel (2012)	35.60	46.98	0.53		n/a	Indonesia	n/a	n/a	n/a	
44	Chile (2012)	34.95	46.12	0.52		n/a	Jamaica	n/a	n/a	n/a	
45	Greece	32.06	42.30	0.51		n/a	Jordan	n/a	n/a	n/a	
46	Mexico	31.65	41.76	0.50		n/a	Lebanon	n/a	n/a	n/a	
47	Romania	31.02	40.92	0.49		n/a	Madagascar	n/a	n/a	n/a	
48	Iran, Islamic Rep. (2008)	30.92	40.79	0.48		n/a	Malawi	n/a	n/a	n/a	
49	Morocco (2010)	29.94	39.49	0.47		n/a	Moldova, Rep.	n/a	n/a	n/a	
50	Colombia	29.02	38.27	0.46		n/a	Mozambique	n/a	n/a	n/a	
51	Ukraine	28.99	38.25	0.44		n/a	Myanmar	n/a	n/a	n/a	
52	Kazakhstan	28.92	38.15	0.43		n/a	Nepal	n/a	n/a	n/a	
53	Viet Nam (2011)	28.40	37.47	0.42		n/a	Nicaragua	n/a	n/a	n/a	
54	Russian Federation	28.16	37.14	0.41		n/a	Niger	n/a	n/a	n/a	
55	Lithuania	27.42	36.17	0.40		n/a	Pakistan	n/a	n/a	n/a	
56	Qatar (2012)	24.18	31.89	0.39		n/a	Peru	n/a	n/a	n/a	
57	Montenegro (2011)	22.28	29.36	0.38		n/a	Rwanda	n/a	n/a	n/a	
58	Latvia	21.84	28.78	0.37	○	n/a	Saudi Arabia	n/a	n/a	n/a	
59	Argentina (2012)	21.34	28.12	0.36		n/a	Seychelles	n/a	n/a	n/a	
60	Luxembourg	20.46	26.96	0.34		n/a	Sudan	n/a	n/a	n/a	
61	Namibia (2010)	19.83	26.12	0.33		n/a	Swaziland	n/a	n/a	n/a	
62	Bulgaria	19.44	25.61	0.32	○	n/a	TFYR of Macedonia	n/a	n/a	n/a	
63	Panama (2011)	18.86	24.84	0.31		n/a	Togo	n/a	n/a	n/a	
64	Costa Rica (2011)	18.85	24.82	0.30		n/a	Trinidad and Tobago	n/a	n/a	n/a	
65	Tunisia (2012)	18.70	24.63	0.29		n/a	United Arab Emirates	n/a	n/a	n/a	
66	Uruguay (2012)	15.03	19.78	0.28		n/a	Uzbekistan	n/a	n/a	n/a	
67	Uganda (2010)	13.67	17.98	0.27		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Burkina Faso (2009)	11.93	15.68	0.26		n/a	Yemen	n/a	n/a	n/a	
69	Cyprus (2012)	10.86	14.26	0.24	○	n/a	Zimbabwe	n/a	n/a	n/a	
70	Mali (2007)	10.10	13.26	0.23							
71	Mongolia	8.31	10.88	0.22							
72	Serbia (2012)	5.78	7.53	0.21	○						

SOURCE: UNESCO Institute for Statistics, *UIS online database*

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	Belarus (2009)	33.84	100.00	1.00	●	73	Viet Nam	6.22	18.26	0.16	○
2	Russian Federation	32.93	97.29	0.99	●	74	Ethiopia (2012)	6.02	17.69	0.15	
3	Israel	28.38	83.83	0.98	●	75	Egypt	5.51	16.19	0.14	
4	Ukraine	28.10	83.01	0.97	●	76	Qatar	4.50	13.19	0.13	
5	Armenia	27.45	81.08	0.95	●	77	Algeria (2010)	4.41	12.93	0.12	
6	Lithuania (2014)	26.13	77.19	0.94	●	78	Saudi Arabia (2009)	4.39	12.85	0.10	○
7	Estonia	25.45	75.17	0.93	●	79	Indonesia	3.94	11.53	0.09	
8	Finland	25.29	74.69	0.92		80	Guatemala	3.52	10.30	0.08	
9	Ireland	24.75	73.09	0.91		81	Uganda	2.71	7.90	0.07	○
10	Sweden (2014)	23.27	68.73	0.90		82	Madagascar (2012)	2.31	6.72	0.06	
11	Norway	23.20	68.51	0.88		83	Bhutan	1.12	3.18	0.05	○
12	Belgium (2014)	23.18	68.45	0.87		84	Senegal (2011)	0.74	2.05	0.03	○
13	Latvia	23.00	67.91	0.86	●	85	Tanzania, United Rep.	0.67	1.86	0.02	○
14	Singapore	22.73	67.13	0.85		86	Mozambique (2012)	0.51	1.39	0.01	○
15	Australia	22.64	66.85	0.84		87	El Salvador	0.04	0.00	0.00	○
16	Cyprus	22.59	66.71	0.83		n/a	Angola	n/a	n/a	n/a	
17	United Kingdom (2014)	21.73	64.17	0.81		n/a	Bahrain	n/a	n/a	n/a	
18	Spain (2014)	21.48	63.42	0.80		n/a	Bangladesh	n/a	n/a	n/a	
19	Iceland	21.34	63.01	0.79		n/a	Barbados	n/a	n/a	n/a	
20	New Zealand	20.83	61.49	0.78		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
21	Denmark (2014)	20.60	60.83	0.77		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
22	Luxembourg	20.32	59.99	0.76		n/a	Burkina Faso	n/a	n/a	n/a	
23	France	19.63	57.94	0.74		n/a	Burundi	n/a	n/a	n/a	
24	Japan	19.29	56.94	0.73		n/a	Cabo Verde	n/a	n/a	n/a	
25	Slovenia	18.78	55.44	0.72		n/a	Cambodia	n/a	n/a	n/a	
26	Bulgaria	18.50	54.61	0.71		n/a	Cameroon	n/a	n/a	n/a	
27	Poland	18.16	53.60	0.70		n/a	China	n/a	n/a	n/a	
28	Netherlands	17.76	52.41	0.69		n/a	Côte d'Ivoire	n/a	n/a	n/a	
29	Kazakhstan	17.55	51.80	0.67		n/a	Fiji	n/a	n/a	n/a	
30	Switzerland (2014)	17.00	50.16	0.66		n/a	Gambia	n/a	n/a	n/a	
31	Argentina (2012)	16.95	50.01	0.65		n/a	Ghana	n/a	n/a	n/a	
32	Venezuela, Bolivarian Rep. (2012)	16.69	49.24	0.64	●	n/a	Guinea	n/a	n/a	n/a	
33	Panama (2012)	16.59	48.94	0.63		n/a	Guyana	n/a	n/a	n/a	
34	Greece	15.79	46.59	0.62		n/a	Honduras	n/a	n/a	n/a	
35	Canada (2014)	15.65	46.16	0.60		n/a	India	n/a	n/a	n/a	
36	Mongolia (2012)	15.44	45.55	0.59		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
37	Portugal (2014)	14.90	43.95	0.58		n/a	Jamaica	n/a	n/a	n/a	
38	Hungary	14.82	43.71	0.57		n/a	Jordan	n/a	n/a	n/a	
39	Chile	14.54	42.88	0.56		n/a	Kenya	n/a	n/a	n/a	
40	Georgia	14.50	42.78	0.55		n/a	Korea, Rep.	n/a	n/a	n/a	
41	Philippines (2011)	14.09	41.56	0.53		n/a	Kuwait	n/a	n/a	n/a	
42	Moldova, Rep.	13.95	41.13	0.52		n/a	Lebanon	n/a	n/a	n/a	
43	Germany	13.91	41.03	0.51	○	n/a	Lesotho	n/a	n/a	n/a	
44	Peru	13.89	40.98	0.50		n/a	Malawi	n/a	n/a	n/a	
45	Croatia	13.76	40.58	0.49		n/a	Mali	n/a	n/a	n/a	
46	Uruguay	13.58	40.04	0.48		n/a	Montenegro	n/a	n/a	n/a	
47	Colombia	13.16	38.81	0.47		n/a	Morocco	n/a	n/a	n/a	
48	Costa Rica	13.16	38.80	0.45		n/a	Myanmar	n/a	n/a	n/a	
49	Azerbaijan	12.87	37.94	0.44		n/a	Namibia	n/a	n/a	n/a	
50	Dominican Republic	12.52	36.93	0.43		n/a	Nepal	n/a	n/a	n/a	
51	Paraguay	12.43	36.66	0.42		n/a	Nicaragua	n/a	n/a	n/a	
52	Serbia	12.22	36.02	0.41		n/a	Niger	n/a	n/a	n/a	
53	Malta	12.21	35.99	0.40	○	n/a	Nigeria	n/a	n/a	n/a	
54	Hong Kong (China)	12.17	35.88	0.38	○	n/a	Oman	n/a	n/a	n/a	
55	Slovakia	11.86	34.95	0.37		n/a	Pakistan	n/a	n/a	n/a	
56	TFYR of Macedonia	11.44	33.73	0.36		n/a	Rwanda	n/a	n/a	n/a	
57	Kyrgyzstan	10.81	31.85	0.35		n/a	Seychelles	n/a	n/a	n/a	
58	Italy	10.62	31.30	0.34	○	n/a	Sudan	n/a	n/a	n/a	
59	Czech Republic	10.58	31.16	0.33	○	n/a	Swaziland	n/a	n/a	n/a	
60	Malaysia	10.47	30.85	0.31	○	n/a	Tajikistan	n/a	n/a	n/a	
61	Ecuador	10.41	30.67	0.30		n/a	Togo	n/a	n/a	n/a	
62	Austria	10.31	30.37	0.29	○	n/a	Trinidad and Tobago	n/a	n/a	n/a	
63	South Africa	10.27	30.25	0.28	○	n/a	Tunisia	n/a	n/a	n/a	
64	Romania	9.82	28.93	0.27	○	n/a	United Arab Emirates	n/a	n/a	n/a	
65	Botswana (2010)	9.16	26.97	0.26		n/a	United States of America	n/a	n/a	n/a	
66	Albania	9.03	26.59	0.24		n/a	Uzbekistan	n/a	n/a	n/a	
67	Brazil (2012)	8.32	24.49	0.23	○	n/a	Yemen	n/a	n/a	n/a	
68	Mexico	8.16	24.01	0.22	○	n/a	Zambia	n/a	n/a	n/a	
69	Sri Lanka (2012)	7.58	22.29	0.21		n/a	Zimbabwe	n/a	n/a	n/a	
70	Thailand	7.55	22.20	0.20	○						
71	Turkey (2014)	7.37	21.69	0.19							
72	Mauritius (2010)	7.35	21.63	0.17	○						

SOURCE: International Labour Organization (ILO), ILOSTAT Annual Indicators (2009–2014) and Statistics Canada, Table 282-0004.

NOTE: ● indicates a strength; ○ a weakness

5.2.1 University/industry research collaboration

Average answer to the survey question: In your country, to what extent do businesses and universities collaborate on research and development (R&D)? [1 = do not collaborate at all; 7 = collaborate extensively] | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland.....	5.97	82.80	1.00	●	73	Zambia.....	3.48	41.36	0.45	
2	United States of America.....	5.85	80.83	0.99	●	74	Ghana.....	3.46	40.96	0.45	
3	Switzerland.....	5.79	79.83	0.98	●	75	Ethiopia.....	3.46	40.96	0.44	
4	United Kingdom.....	5.67	77.76	0.98	●	76	Namibia.....	3.46	40.95	0.43	
5	Singapore.....	5.58	76.29	0.97		77	Seychelles.....	3.40	40.03	0.42	
6	Belgium.....	5.58	76.29	0.96	●	78	Croatia.....	3.39	39.86	0.42	
7	Israel.....	5.50	75.08	0.95		79	Cameroon.....	3.37	39.56	0.41	
8	Qatar.....	5.44	73.96	0.95	●	80	Tanzania, United Rep.....	3.37	39.47	0.40	
9	Netherlands.....	5.38	72.99	0.94		81	Slovakia.....	3.36	39.31	0.39	
10	Germany.....	5.34	72.25	0.93		82	Swaziland.....	3.35	39.08	0.39	
11	Sweden.....	5.33	72.12	0.92		83	Côte d'Ivoire.....	3.34	38.99	0.38	
12	Malaysia.....	5.33	72.10	0.92	●	84	Gambia.....	3.33	38.90	0.37	
13	Ireland.....	5.24	70.71	0.91		85	Kazakhstan.....	3.29	38.24	0.36	
14	Norway.....	5.02	66.98	0.90		86	Mozambique.....	3.28	38.04	0.36	
15	Japan.....	5.00	66.74	0.89		87	Bahrain.....	3.27	37.90	0.35	
16	New Zealand.....	4.91	65.10	0.89		88	Tajikistan.....	3.27	37.89	0.34	
17	Luxembourg.....	4.90	65.05	0.88		89	Viet Nam.....	3.27	37.84	0.33	
18	Canada.....	4.90	65.01	0.87		90	Madagascar.....	3.26	37.62	0.33	
19	Denmark.....	4.90	64.96	0.86		91	Dominican Republic.....	3.25	37.57	0.32	
20	Australia.....	4.84	64.06	0.86		92	Serbia.....	3.24	37.35	0.31	
21	United Arab Emirates.....	4.72	62.07	0.85		93	Morocco.....	3.23	37.21	0.30	
22	Portugal.....	4.68	61.38	0.84		94	Cabo Verde.....	3.22	36.95	0.30	
23	Austria.....	4.68	61.30	0.83		95	Pakistan.....	3.21	36.87	0.29	
24	Iceland.....	4.62	60.32	0.83		96	Lesotho.....	3.20	36.67	0.28	
25	Korea, Rep.....	4.62	60.27	0.82		97	Mali.....	3.20	36.66	0.27	
26	Lithuania.....	4.61	60.11	0.81		98	Mauritius.....	3.19	36.49	0.27	
27	Hong Kong (China).....	4.59	59.78	0.80		99	Iran, Islamic Rep.....	3.18	36.35	0.26	
28	France.....	4.58	59.72	0.80		100	Burkina Faso.....	3.17	36.14	0.25	
29	Indonesia.....	4.55	59.12	0.79	●	101	Azerbaijan.....	3.16	35.95	0.24	
30	South Africa.....	4.49	58.11	0.78		102	Botswana.....	3.14	35.74	0.23	
31	China.....	4.40	56.69	0.77		103	Trinidad and Tobago.....	3.14	35.59	0.23	
32	Costa Rica.....	4.36	55.96	0.77		104	Venezuela, Bolivarian Rep.....	3.13	35.45	0.22	
33	Estonia.....	4.36	55.92	0.76		105	Kuwait.....	3.10	35.06	0.21	
34	Hungary.....	4.27	54.56	0.75		106	Peru.....	3.10	34.97	0.20	
35	Kenya.....	4.22	53.62	0.74	●	107	Sri Lanka.....	3.08	34.61	0.20	
36	Saudi Arabia.....	4.20	53.33	0.73		108	Greece.....	3.06	34.35	0.19	○
37	Chile.....	4.20	53.32	0.73		109	Armenia.....	3.05	34.20	0.18	○
38	Cyprus.....	4.19	53.18	0.72		110	Bulgaria.....	3.00	33.33	0.17	○
39	Panama.....	4.04	50.63	0.71		111	Mongolia.....	2.99	33.10	0.17	○
40	Czech Republic.....	4.00	50.00	0.70		112	Cambodia.....	2.98	32.95	0.16	
41	Barbados.....	4.00	49.95	0.70		113	Nicaragua.....	2.95	32.55	0.15	
42	Mexico.....	3.97	49.52	0.69		114	Tunisia.....	2.92	32.01	0.14	○
43	Slovenia.....	3.96	49.26	0.68		115	Lebanon.....	2.88	31.39	0.14	○
44	Thailand.....	3.95	49.23	0.67		116	Malawi.....	2.84	30.66	0.13	
45	Montenegro.....	3.95	49.13	0.67		117	Zimbabwe.....	2.82	30.41	0.12	
46	Honduras.....	3.94	49.05	0.66	●	118	Burundi.....	2.78	29.75	0.11	
47	Colombia.....	3.93	48.77	0.65		119	Nigeria.....	2.75	29.20	0.11	
48	India.....	3.87	47.85	0.64		120	Moldova, Rep.....	2.74	28.99	0.10	○
49	Malta.....	3.86	47.59	0.64		121	Paraguay.....	2.70	28.29	0.09	
50	Jordan.....	3.82	47.07	0.63		122	Bhutan.....	2.68	28.08	0.08	
51	El Salvador.....	3.81	46.84	0.62		123	Nepal.....	2.64	27.34	0.08	○
52	Brazil.....	3.80	46.65	0.61		124	Georgia.....	2.64	27.28	0.07	○
53	Philippines.....	3.79	46.57	0.61		125	Kyrgyzstan.....	2.57	26.19	0.06	○
54	Jamaica.....	3.79	46.56	0.60		126	Bangladesh.....	2.56	25.96	0.05	
55	Spain.....	3.77	46.19	0.59		127	Egypt.....	2.43	23.78	0.05	○
56	Guyana.....	3.76	45.95	0.58	●	128	Albania.....	2.34	22.32	0.04	○
57	Italy.....	3.73	45.47	0.58		129	Algeria.....	2.26	21.07	0.03	○
58	TFYR of Macedonia.....	3.71	45.18	0.57		130	Myanmar.....	2.25	20.82	0.02	
59	Turkey.....	3.69	44.78	0.56		131	Guinea.....	2.18	19.72	0.02	○
60	Uganda.....	3.68	44.69	0.55		132	Angola.....	2.01	16.88	0.01	○
61	Latvia.....	3.67	44.55	0.55		133	Yemen.....	1.95	15.89	0.00	○
62	Rwanda.....	3.65	44.20	0.54		n/a	Belarus.....	n/a	n/a	n/a	
63	Senegal.....	3.64	43.96	0.53		n/a	Bosnia and Herzegovina.....	n/a	n/a	n/a	
64	Argentina.....	3.64	43.92	0.52		n/a	Ecuador.....	n/a	n/a	n/a	
65	Russian Federation.....	3.63	43.87	0.52		n/a	Fiji.....	n/a	n/a	n/a	
66	Guatemala.....	3.62	43.63	0.51		n/a	Niger.....	n/a	n/a	n/a	
67	Oman.....	3.62	43.58	0.50		n/a	Sudan.....	n/a	n/a	n/a	
68	Uruguay.....	3.59	43.21	0.49		n/a	Togo.....	n/a	n/a	n/a	
69	Romania.....	3.59	43.16	0.48		n/a	Uzbekistan.....	n/a	n/a	n/a	
70	Bolivia, Plurinational St.....	3.54	42.28	0.48							
71	Poland.....	3.50	41.73	0.47							
72	Ukraine.....	3.50	41.71	0.46							

SOURCE: World Economic Forum, *Executive Opinion Survey 2014–2015*

NOTE: ● indicates a strength; ○ a weakness

5.2.2 State of cluster development

Average answer 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 = non-existent; 7 = widespread in many fields] | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Italy	5.60	76.64	1.00	●	73	Estonia	3.73	45.56	0.45	○
2	Germany	5.49	74.86	0.99	●	74	Ghana	3.73	45.48	0.45	
3	United Arab Emirates	5.49	74.83	0.98	●	75	Colombia	3.71	45.15	0.44	
4	United States of America	5.42	73.65	0.98		76	Malawi	3.69	44.83	0.43	
5	Switzerland	5.35	72.53	0.97		77	Dominican Republic	3.68	44.69	0.42	
6	Netherlands	5.35	72.42	0.96	●	78	Kuwait	3.67	44.54	0.42	
7	Japan	5.28	71.39	0.95		79	Jamaica	3.67	44.45	0.41	
8	Malaysia	5.28	71.29	0.95	●	80	Bhutan	3.58	42.94	0.40	
9	United Kingdom	5.23	70.56	0.94		81	Trinidad and Tobago	3.56	42.60	0.39	
10	Qatar	5.21	70.21	0.93	●	82	Mozambique	3.55	42.47	0.39	
11	Singapore	5.13	68.81	0.92		83	Uganda	3.53	42.08	0.38	
12	Finland	5.06	67.73	0.92		84	Cameroon	3.52	41.94	0.37	
13	Norway	5.06	67.66	0.91		85	Tunisia	3.51	41.78	0.36	
14	Hong Kong (China)	5.00	66.67	0.90		86	Lithuania	3.50	41.67	0.36	
15	Austria	4.95	65.82	0.89		87	Latvia	3.50	41.67	0.35	○
16	Luxembourg	4.85	64.18	0.89		88	Hungary	3.49	41.54	0.34	
17	Ireland	4.80	63.33	0.88		89	Poland	3.48	41.40	0.33	
18	Canada	4.77	62.89	0.87		90	Uruguay	3.47	41.12	0.33	
19	Sweden	4.74	62.32	0.86		91	Bolivia, Plurinational St.	3.46	40.97	0.32	
20	Belgium	4.70	61.61	0.86		92	TFYR of Macedonia	3.46	40.96	0.31	
21	Saudi Arabia	4.66	61.00	0.85	●	93	Slovenia	3.43	40.43	0.30	○
22	Brazil	4.63	60.44	0.84	●	94	Iran, Islamic Rep.	3.42	40.37	0.30	
23	China	4.56	59.30	0.83		95	Tanzania, United Rep.	3.42	40.28	0.29	
24	Indonesia	4.53	58.81	0.83	●	96	Azerbaijan	3.40	40.08	0.28	
25	India	4.50	58.38	0.82	●	97	Swaziland	3.37	39.52	0.27	
26	Israel	4.50	58.31	0.81		98	Cabo Verde	3.36	39.38	0.27	
27	Jordan	4.49	58.14	0.80	●	99	Nepal	3.35	39.10	0.26	
28	El Salvador	4.48	58.05	0.80	●	100	Senegal	3.33	38.85	0.25	
29	Korea, Rep.	4.35	55.78	0.79		101	Botswana	3.32	38.71	0.24	
30	France	4.34	55.65	0.78		102	Algeria	3.32	38.64	0.23	
31	Bahrain	4.34	55.60	0.77		103	Tajikistan	3.32	38.59	0.23	
32	Denmark	4.31	55.15	0.77		104	Lebanon	3.28	37.93	0.22	
33	Mauritius	4.29	54.80	0.76		105	Peru	3.26	37.75	0.21	
34	Turkey	4.28	54.73	0.75		106	Côte d'Ivoire	3.26	37.59	0.20	
35	Egypt	4.27	54.53	0.74	●	107	Nicaragua	3.25	37.45	0.20	
36	Costa Rica	4.24	53.93	0.73		108	Yemen	3.23	37.13	0.19	
37	Thailand	4.20	53.28	0.73		109	Georgia	3.23	37.09	0.18	○
38	Kenya	4.20	53.26	0.72		110	Armenia	3.22	36.95	0.17	○
39	Portugal	4.19	53.20	0.71		111	Serbia	3.19	36.45	0.17	○
40	Australia	4.18	53.05	0.70		112	Kazakhstan	3.17	36.22	0.16	
41	South Africa	4.16	52.71	0.70		113	Croatia	3.16	36.06	0.15	○
42	Mexico	4.15	52.45	0.69		114	Russian Federation	3.13	35.56	0.14	○
43	Zambia	4.11	51.86	0.68	●	115	Argentina	3.12	35.34	0.14	
44	Czech Republic	4.06	51.04	0.67		116	Paraguay	3.06	34.35	0.13	
45	Honduras	4.06	50.92	0.67	●	117	Montenegro	3.03	33.85	0.12	○
46	Malta	4.04	50.72	0.66		118	Guinea	3.02	33.75	0.11	
47	Cyprus	4.04	50.72	0.65		119	Greece	3.01	33.44	0.11	○
48	Philippines	4.03	50.53	0.64		120	Albania	3.00	33.40	0.10	○
49	Panama	4.02	50.29	0.64		121	Ethiopia	3.00	33.30	0.09	
50	New Zealand	4.01	50.09	0.63		122	Ukraine	3.00	33.27	0.08	○
51	Oman	3.99	49.77	0.62		123	Bulgaria	2.96	32.60	0.08	○
52	Spain	3.98	49.71	0.61		124	Kyrgyzstan	2.95	32.57	0.07	○
53	Mali	3.95	49.16	0.61	●	125	Zimbabwe	2.95	32.43	0.06	
54	Guatemala	3.94	49.06	0.60		126	Burkina Faso	2.90	31.62	0.05	○
55	Pakistan	3.94	49.00	0.59	●	127	Madagascar	2.87	31.09	0.05	○
56	Rwanda	3.93	48.88	0.58		128	Mongolia	2.85	30.79	0.04	○
57	Iceland	3.92	48.69	0.58		129	Burundi	2.73	28.88	0.03	
58	Chile	3.90	48.38	0.57		130	Myanmar	2.69	28.16	0.02	
59	Guyana	3.90	48.33	0.56	●	131	Angola	2.58	26.34	0.02	○
60	Seychelles	3.89	48.11	0.55		132	Venezuela, Bolivarian Rep.	2.40	23.32	0.01	○
61	Cambodia	3.86	47.74	0.55	●	133	Moldova, Rep.	2.39	23.24	0.00	○
62	Lesotho	3.85	47.53	0.54	●	n/a	Belarus	n/a	n/a	n/a	
63	Bangladesh	3.85	47.47	0.53		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
64	Sri Lanka	3.84	47.25	0.52		n/a	Ecuador	n/a	n/a	n/a	
65	Namibia	3.81	46.81	0.52		n/a	Fiji	n/a	n/a	n/a	
66	Slovakia	3.80	46.73	0.51		n/a	Niger	n/a	n/a	n/a	
67	Romania	3.78	46.40	0.50		n/a	Sudan	n/a	n/a	n/a	
68	Morocco	3.78	46.27	0.49		n/a	Togo	n/a	n/a	n/a	
69	Nigeria	3.77	46.20	0.48	●	n/a	Uzbekistan	n/a	n/a	n/a	
70	Gambia	3.77	46.12	0.48	●						
71	Barbados	3.77	46.10	0.47							
72	Viet Nam	3.76	45.97	0.46							

SOURCE: World Economic Forum, *Executive Opinion Survey 2014–2015*

NOTE: ● indicates a strength; ○ a weakness

5.2.3 GERD financed by abroad

GERD: Financed by abroad (% of total GERD) | 2013

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	●	73	Lesotho (2011)	3.45	4.15	0.26	
2	Burkina Faso (2009)	59.61	76.22	0.99	●	74	Russian Federation	3.03	3.62	0.25	○
3	Uganda (2010)	57.30	73.26	0.98	●	75	Armenia	2.79	3.32	0.24	
4	Latvia	51.58	65.92	0.97	●	76	Sri Lanka (2010)	2.72	3.23	0.23	
5	Guatemala (2012)	49.01	62.62	0.96	●	77	Thailand (2011)	2.50	2.94	0.22	○
6	Israel (2012)	48.77	62.32	0.95		78	Qatar (2012)	2.42	2.84	0.21	
7	Bosnia and Herzegovina (2012)	48.67	62.19	0.94	●	79	Colombia	2.38	2.79	0.20	○
8	Bulgaria	48.31	61.73	0.93	●	80	Ethiopia	2.15	2.49	0.19	
9	Kenya (2010)	47.14	60.22	0.92	●	81	Bolivia, Plurinational St. (2009)	1.86	2.12	0.18	
10	Tanzania, United Rep. (2010)	42.00	53.63	0.91	●	82	Morocco (2010)	1.71	1.93	0.16	○
11	Senegal (2010)	40.53	51.74	0.90	●	83	Zambia (2008)	1.62	1.81	0.15	
12	Burundi (2008)	39.92	50.95	0.89	●	84	Australia (2008)	1.61	1.80	0.14	○
13	Lithuania	37.13	47.37	0.88	●	85	Namibia (2010)	1.53	1.70	0.13	○
14	Ghana (2010)	31.22	39.79	0.87	●	86	Pakistan	1.31	1.41	0.12	
15	Bahrain	30.44	38.80	0.86	●	87	Kuwait (2009)	1.18	1.24	0.11	○
16	Czech Republic	27.15	34.57	0.85		88	Nigeria (2007)	1.04	1.06	0.10	
17	Ukraine	21.61	27.46	0.84	●	89	China	0.89	0.88	0.09	○
18	Ireland (2012)	21.36	27.13	0.82		90	Kyrgyzstan (2011)	0.87	0.85	0.08	
19	Panama (2011)	20.73	26.34	0.81	●	91	Turkey	0.83	0.80	0.07	○
20	United Kingdom	20.65	26.22	0.80		92	Kazakhstan	0.76	0.70	0.06	○
21	Luxembourg (2011)	20.41	25.92	0.79		93	Mexico	0.66	0.58	0.05	○
22	Malta	20.22	25.68	0.78		94	Argentina (2012)	0.58	0.48	0.04	○
23	Slovakia	17.97	22.78	0.77		95	Japan	0.52	0.40	0.03	○
24	Chile (2012)	17.54	22.23	0.76		96	Korea, Rep.	0.30	0.12	0.02	○
25	Cyprus (2012)	17.48	22.17	0.75		97	Azerbaijan	0.25	0.05	0.01	○
26	Hungary	16.57	20.99	0.74		98	Tajikistan	0.21	0.00	0.00	○
27	Austria (2014)	16.38	20.75	0.73		n/a	Algeria	n/a	n/a	n/a	
28	Gambia (2011)	15.90	20.13	0.72	●	n/a	Angola	n/a	n/a	n/a	
29	Romania	15.50	19.63	0.71		n/a	Bangladesh	n/a	n/a	n/a	
30	Croatia	15.50	19.62	0.70		n/a	Barbados	n/a	n/a	n/a	
31	Montenegro (2011)	15.29	19.35	0.69		n/a	Bhutan	n/a	n/a	n/a	
32	Netherlands	14.27	18.05	0.68		n/a	Botswana	n/a	n/a	n/a	
33	Greece	13.32	16.82	0.67		n/a	Brazil	n/a	n/a	n/a	
34	Poland	13.12	16.56	0.66		n/a	Cabo Verde	n/a	n/a	n/a	
35	South Africa (2012)	13.06	16.49	0.65		n/a	Cambodia	n/a	n/a	n/a	
36	Belgium (2011)	12.96	16.36	0.64		n/a	Cameroon	n/a	n/a	n/a	
37	Switzerland (2012)	12.07	15.23	0.63		n/a	Côte d'Ivoire	n/a	n/a	n/a	
38	Togo (2012)	12.06	15.20	0.62	●	n/a	Dominican Republic	n/a	n/a	n/a	
39	Moldova, Rep.	11.80	14.87	0.61		n/a	Egypt	n/a	n/a	n/a	
40	Finland	11.54	14.54	0.60		n/a	Fiji	n/a	n/a	n/a	
41	Madagascar (2009)	10.58	13.31	0.59	●	n/a	Georgia	n/a	n/a	n/a	
42	Estonia	10.35	13.01	0.58		n/a	Guinea	n/a	n/a	n/a	
43	Italy (2012)	9.45	11.86	0.57		n/a	Guyana	n/a	n/a	n/a	
44	Serbia (2012)	9.19	11.52	0.56		n/a	Honduras	n/a	n/a	n/a	
45	El Salvador (2012)	9.15	11.48	0.55		n/a	India	n/a	n/a	n/a	
46	Slovenia	8.91	11.17	0.54		n/a	Indonesia	n/a	n/a	n/a	
47	Mali (2010)	8.81	11.03	0.53		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
48	Iceland (2011)	8.22	10.28	0.52		n/a	Jamaica	n/a	n/a	n/a	
49	Belarus	7.95	9.93	0.51		n/a	Jordan	n/a	n/a	n/a	
50	Norway (2011)	7.79	9.72	0.49	○	n/a	Lebanon	n/a	n/a	n/a	
51	Paraguay (2012)	7.71	9.63	0.48		n/a	Malawi	n/a	n/a	n/a	
52	Uruguay (2012)	7.65	9.54	0.47		n/a	Myanmar	n/a	n/a	n/a	
53	France (2012)	7.62	9.50	0.46	○	n/a	Nepal	n/a	n/a	n/a	
54	Albania (2008)	7.37	9.18	0.45		n/a	Nicaragua	n/a	n/a	n/a	
55	Denmark	7.18	8.94	0.44	○	n/a	Niger	n/a	n/a	n/a	
56	Sweden	6.80	8.46	0.43	○	n/a	Oman	n/a	n/a	n/a	
57	Spain (2012)	6.65	8.26	0.42	○	n/a	Peru	n/a	n/a	n/a	
58	Costa Rica (2011)	6.54	8.13	0.41		n/a	Rwanda	n/a	n/a	n/a	
59	Mauritius (2012)	6.43	7.99	0.40		n/a	Saudi Arabia	n/a	n/a	n/a	
60	New Zealand (2011)	6.32	7.85	0.39	○	n/a	Seychelles	n/a	n/a	n/a	
61	Canada	5.95	7.37	0.38	○	n/a	Sudan	n/a	n/a	n/a	
62	Singapore (2012)	5.91	7.31	0.37	○	n/a	Swaziland	n/a	n/a	n/a	
63	Portugal (2012)	5.17	6.37	0.36	○	n/a	TFYR of Macedonia	n/a	n/a	n/a	
64	Mongolia	4.90	6.01	0.35		n/a	Trinidad and Tobago	n/a	n/a	n/a	
65	Hong Kong (China) (2012)	4.65	5.70	0.34	○	n/a	United Arab Emirates	n/a	n/a	n/a	
66	Malaysia (2012)	4.59	5.63	0.33	○	n/a	Uzbekistan	n/a	n/a	n/a	
67	Ecuador (2011)	4.46	5.46	0.32		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Tunisia (2012)	4.40	5.38	0.31		n/a	Yemen	n/a	n/a	n/a	
69	Germany (2012)	4.32	5.28	0.30	○	n/a	Zimbabwe	n/a	n/a	n/a	
70	Philippines (2007)	4.12	5.02	0.29							
71	Viet Nam (2011)	3.99	4.86	0.28							
72	United States of America (2012)	3.80	4.61	0.27	○						

SOURCE: UNESCO Institute for Statistics, *UIS online database*

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) | 2014

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Bahrain	0.15	100.00	0.99	●	73	Bangladesh	0.00	5.07	0.19	
1	United Arab Emirates	0.07	100.00	0.99	●	74	Dominican Republic	0.00	4.88	0.18	
3	Luxembourg	0.06	89.66	0.98	●	75	Brazil	0.00	4.80	0.17	○
4	Canada	0.06	87.84	0.97	●	76	Poland	0.00	4.13	0.16	○
5	Singapore	0.05	73.70	0.96		77	Ghana	0.00	4.03	0.15	
6	Ireland	0.05	69.86	0.94		78	Azerbaijan	0.00	3.95	0.13	○
7	New Zealand	0.05	69.15	0.93		79	Pakistan	0.00	3.65	0.12	
8	Mauritius	0.04	65.59	0.92	●	80	Ukraine	0.00	3.44	0.11	○
9	Hong Kong (China)	0.04	65.52	0.91		81	Turkey	0.00	3.11	0.10	○
10	Australia	0.04	64.08	0.90		82	Mexico	0.00	2.40	0.09	○
11	Qatar	0.04	62.90	0.89	●	83	Portugal	0.00	2.02	0.08	○
12	Switzerland	0.04	58.24	0.88		84	Indonesia	0.00	1.77	0.07	○
13	Oman	0.04	56.51	0.87	●	85	Argentina	0.00	1.71	0.06	○
14	Israel	0.04	56.01	0.85		86	Peru	0.00	1.35	0.04	○
15	Cyprus	0.04	55.77	0.84		87	Algeria	0.00	1.13	0.03	
16	United States of America	0.04	53.88	0.83		88	Venezuela, Bolivarian Rep.	0.00	0.70	0.02	○
17	Greece	0.03	52.85	0.82		89	Iran, Islamic Rep.	0.00	0.42	0.01	○
18	United Kingdom	0.03	47.63	0.81		90	Nigeria	0.00	0.00	0.00	○
19	Georgia	0.03	44.55	0.80	●	n/a	Albania	n/a	n/a	n/a	
20	Mongolia	0.03	43.83	0.79		n/a	Angola	n/a	n/a	n/a	
21	Lebanon	0.02	37.46	0.78	●	n/a	Armenia	n/a	n/a	n/a	
22	Zambia	0.02	37.33	0.76	●	n/a	Barbados	n/a	n/a	n/a	
23	Malaysia	0.02	36.64	0.75		n/a	Bhutan	n/a	n/a	n/a	
24	Jordan	0.02	34.93	0.74	●	n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
25	Norway	0.02	34.42	0.73		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
26	Tajikistan	0.02	33.96	0.72	●	n/a	Bulgaria	n/a	n/a	n/a	
27	Sweden	0.02	33.82	0.71		n/a	Burkina Faso	n/a	n/a	n/a	
28	Namibia	0.02	32.11	0.70	●	n/a	Burundi	n/a	n/a	n/a	
29	Kuwait	0.02	31.99	0.69	●	n/a	Cabo Verde	n/a	n/a	n/a	
30	Saudi Arabia	0.02	31.10	0.67		n/a	Cambodia	n/a	n/a	n/a	
31	Denmark	0.02	30.30	0.66		n/a	Cameroon	n/a	n/a	n/a	
32	Zimbabwe	0.02	27.81	0.65	●	n/a	Costa Rica	n/a	n/a	n/a	
33	Mali	0.02	27.63	0.64	●	n/a	Côte d'Ivoire	n/a	n/a	n/a	
34	Netherlands	0.02	26.91	0.63	○	n/a	Ecuador	n/a	n/a	n/a	
35	Croatia	0.02	25.52	0.62		n/a	El Salvador	n/a	n/a	n/a	
36	Mozambique	0.02	24.17	0.61	●	n/a	Ethiopia	n/a	n/a	n/a	
37	Botswana	0.01	22.22	0.60		n/a	Fiji	n/a	n/a	n/a	
38	Japan	0.01	22.16	0.58		n/a	Gambia	n/a	n/a	n/a	
39	Honduras	0.01	19.08	0.57	●	n/a	Guatemala	n/a	n/a	n/a	
40	Belgium	0.01	18.57	0.56		n/a	Guinea	n/a	n/a	n/a	
41	Korea, Rep.	0.01	18.42	0.55		n/a	Guyana	n/a	n/a	n/a	
42	Egypt	0.01	17.88	0.54		n/a	Iceland	n/a	n/a	n/a	
43	France	0.01	17.37	0.53	○	n/a	Jamaica	n/a	n/a	n/a	
44	Finland	0.01	16.78	0.52		n/a	Kazakhstan	n/a	n/a	n/a	
45	Chile	0.01	16.29	0.51		n/a	Kyrgyzstan	n/a	n/a	n/a	
46	Philippines	0.01	15.67	0.49		n/a	Lesotho	n/a	n/a	n/a	
47	Thailand	0.01	15.11	0.48		n/a	Madagascar	n/a	n/a	n/a	
48	Estonia	0.01	13.76	0.47	○	n/a	Malawi	n/a	n/a	n/a	
49	Germany	0.01	13.55	0.46	○	n/a	Malta	n/a	n/a	n/a	
50	Spain	0.01	12.70	0.45	○	n/a	Moldova, Rep.	n/a	n/a	n/a	
51	India	0.01	12.18	0.44		n/a	Montenegro	n/a	n/a	n/a	
52	Nepal	0.01	10.86	0.43		n/a	Nicaragua	n/a	n/a	n/a	
53	South Africa	0.01	10.62	0.42		n/a	Niger	n/a	n/a	n/a	
54	Latvia	0.01	9.98	0.40	○	n/a	Paraguay	n/a	n/a	n/a	
55	Panama	0.01	9.40	0.39		n/a	Romania	n/a	n/a	n/a	
56	Russian Federation	0.01	9.19	0.38		n/a	Rwanda	n/a	n/a	n/a	
57	China	0.01	9.15	0.37		n/a	Senegal	n/a	n/a	n/a	
58	Colombia	0.01	8.94	0.36		n/a	Seychelles	n/a	n/a	n/a	
59	Myanmar	0.01	8.86	0.35	●	n/a	Slovakia	n/a	n/a	n/a	
60	Uzbekistan	0.01	8.29	0.34		n/a	Slovenia	n/a	n/a	n/a	
61	Belarus	0.01	8.27	0.33		n/a	Sudan	n/a	n/a	n/a	
62	Italy	0.01	7.51	0.31	○	n/a	Swaziland	n/a	n/a	n/a	
63	Serbia	0.01	7.37	0.30	○	n/a	TFYR of Macedonia	n/a	n/a	n/a	
64	Austria	0.01	7.10	0.29	○	n/a	Togo	n/a	n/a	n/a	
65	Czech Republic	0.00	6.65	0.28	○	n/a	Trinidad and Tobago	n/a	n/a	n/a	
66	Sri Lanka	0.00	6.39	0.27		n/a	Tunisia	n/a	n/a	n/a	
67	Viet Nam	0.00	6.34	0.26		n/a	Uganda	n/a	n/a	n/a	
68	Lithuania	0.00	5.75	0.25	○	n/a	Uruguay	n/a	n/a	n/a	
69	Hungary	0.00	5.55	0.24	○	n/a	Yemen	n/a	n/a	n/a	
70	Morocco	0.00	5.40	0.22							
71	Tanzania, United Rep.	0.00	5.36	0.21							
72	Kenya	0.00	5.11	0.20							

SOURCE: Thomson Reuters, Thomson One Banker Private Equity, SDC Platinum database; International Monetary Fund World Economic Outlook Database, 2015 (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) | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Barbados	6.71	100.00	1.00	●	73	Cameroon (2006)	0.02	4.85	0.36	
2	Japan	5.15	93.83	0.99	●	74	Oman (2005)	0.02	4.81	0.35	
3	Korea, Rep.	4.39	90.12	0.98	●	75	Bahrain (2008)	0.02	4.65	0.35	
4	Switzerland	3.35	83.81	0.97		76	Belarus (2010)	0.02	4.38	0.34	
5	Israel	3.04	81.62	0.96	●	77	Philippines	0.02	4.32	0.33	
6	Finland	2.48	76.92	0.96		78	Romania	0.02	4.28	0.32	
7	Germany	2.37	75.93	0.95		79	Ecuador	0.02	4.26	0.31	
8	Seychelles (2010)	2.23	74.55	0.94	●	80	Tunisia (2010)	0.02	3.95	0.30	
9	Sweden	1.90	70.86	0.93		81	Turkey	0.02	3.78	0.29	
10	Luxembourg	1.71	68.50	0.92		82	Uruguay	0.02	3.63	0.28	
11	United States of America	1.50	65.55	0.91		83	Costa Rica	0.02	3.61	0.27	
12	Austria	1.40	63.98	0.90	●	84	Kenya (2004)	0.02	3.32	0.27	
13	Netherlands	1.29	62.19	0.89		85	Chile	0.01	3.14	0.26	○
14	France	1.23	61.25	0.88		86	Dominican Republic (2006)	0.01	2.66	0.25	
15	Denmark	1.10	58.81	0.88		87	Guatemala (2007)	0.01	2.56	0.24	
16	Canada	1.04	57.51	0.87		88	Ukraine	0.01	2.35	0.23	
17	United Kingdom	0.92	54.84	0.86		89	Uzbekistan (2008)	0.01	2.28	0.22	
18	Belgium	0.83	52.70	0.85		90	Thailand	0.01	2.10	0.21	○
19	Singapore	0.79	51.52	0.84		91	Azerbaijan (2009)	0.01	1.73	0.20	
20	Australia	0.75	50.46	0.83		92	Myanmar (2008)	0.01	1.50	0.19	
21	Malta	0.73	49.94	0.82		93	United Arab Emirates	0.01	1.36	0.19	○
22	Ireland	0.64	47.23	0.81		94	Colombia	0.01	1.28	0.18	○
23	Norway	0.54	43.83	0.81		95	Morocco (2009)	0.01	1.18	0.17	○
24	Italy	0.47	41.02	0.80		96	Viet Nam	0.00	1.10	0.16	○
25	New Zealand	0.46	40.50	0.79		97	Qatar (2010)	0.00	1.03	0.15	
26	Cyprus	0.35	35.23	0.78		98	Kazakhstan (2006)	0.00	0.95	0.14	○
27	Iceland	0.31	33.52	0.77		99	Kuwait	0.00	0.93	0.13	
28	Estonia	0.29	31.94	0.76		100	Venezuela, Bolivarian Rep.	0.00	0.92	0.12	
29	China	0.28	31.19	0.75		101	Peru (2010)	0.00	0.81	0.12	○
30	Hong Kong (China)	0.27	30.55	0.74		102	Nigeria (2010)	0.00	0.58	0.11	
31	Burundi (2004)	0.22	27.70	0.73	●	103	Algeria (2010)	0.00	0.51	0.10	
32	Czech Republic	0.21	26.73	0.73		104	Pakistan (2006)	0.00	0.40	0.09	
33	Spain	0.18	24.56	0.72		105	Indonesia (2010)	0.00	0.35	0.08	○
34	Slovenia	0.17	23.36	0.71		106	Egypt	0.00	0.28	0.07	○
35	Mauritius (2009)	0.17	22.99	0.70		107	Iran, Islamic Rep. (2009)	0.00	0.20	0.06	○
36	Swaziland (2009)	0.14	20.15	0.69	●	108	Bangladesh	0.00	0.00	0.00	○
37	Moldova, Rep.	0.13	20.05	0.68		108	Botswana	0.00	0.00	0.00	○
38	Hungary	0.13	19.84	0.67		108	Côte d'Ivoire	0.00	0.00	0.00	○
39	Montenegro (2010)	0.12	18.57	0.66		108	Ghana	0.00	0.00	0.00	○
40	Mongolia (2008)	0.12	18.30	0.65		108	Nicaragua	0.00	0.00	0.00	○
41	Portugal	0.10	16.27	0.65		108	TFYR of Macedonia	0.00	0.00	0.00	○
42	Guinea (2009)	0.08	14.04	0.64	●	108	Zimbabwe	0.00	0.00	0.00	○
43	Latvia (2009)	0.08	13.41	0.63		n/a	Angola	n/a	n/a	n/a	
44	Namibia (2005)	0.08	13.19	0.62		n/a	Bhutan	n/a	n/a	n/a	
45	Niger	0.07	12.89	0.61	●	n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
46	Georgia	0.07	12.55	0.60		n/a	Burkina Faso	n/a	n/a	n/a	
47	Panama	0.07	12.45	0.59		n/a	Cabo Verde	n/a	n/a	n/a	
48	Kyrgyzstan (2009)	0.07	12.14	0.58		n/a	Cambodia	n/a	n/a	n/a	
49	Poland	0.07	12.04	0.58		n/a	Ethiopia	n/a	n/a	n/a	
50	Albania (2004)	0.06	10.53	0.57		n/a	Fiji	n/a	n/a	n/a	
51	Armenia (2010)	0.05	9.98	0.56		n/a	Gambia	n/a	n/a	n/a	
52	India	0.05	9.86	0.55		n/a	Guyana	n/a	n/a	n/a	
53	Slovakia	0.05	9.64	0.54		n/a	Honduras	n/a	n/a	n/a	
54	Bulgaria	0.05	9.60	0.53		n/a	Lesotho	n/a	n/a	n/a	
55	Croatia	0.05	8.84	0.52		n/a	Madagascar	n/a	n/a	n/a	
56	Malaysia	0.04	8.64	0.51		n/a	Malawi	n/a	n/a	n/a	
57	Jamaica	0.04	8.50	0.50		n/a	Mali	n/a	n/a	n/a	
58	Lithuania	0.04	8.49	0.50		n/a	Mozambique	n/a	n/a	n/a	
59	Jordan	0.04	8.39	0.49		n/a	Nepal	n/a	n/a	n/a	
60	Sri Lanka	0.04	7.12	0.48		n/a	Paraguay	n/a	n/a	n/a	
61	Argentina	0.03	6.97	0.47		n/a	Rwanda	n/a	n/a	n/a	
62	Serbia	0.03	6.66	0.46		n/a	Senegal	n/a	n/a	n/a	
63	Brazil	0.03	6.50	0.45		n/a	Sudan	n/a	n/a	n/a	
64	Russian Federation	0.03	6.00	0.44		n/a	Tajikistan	n/a	n/a	n/a	
65	Lebanon (2010)	0.03	5.90	0.43		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
66	Mexico	0.03	5.69	0.42		n/a	Togo	n/a	n/a	n/a	
67	Greece	0.03	5.55	0.42		n/a	Uganda	n/a	n/a	n/a	
68	Trinidad and Tobago (2009)	0.03	5.42	0.41		n/a	Yemen	n/a	n/a	n/a	
69	South Africa	0.03	5.28	0.40		n/a	Zambia	n/a	n/a	n/a	
70	Bolivia, Plurinational St. (2006)	0.02	5.10	0.39							
71	Saudi Arabia	0.02	5.07	0.38							
72	El Salvador (2009)	0.02	4.91	0.37							

SOURCE: World Intellectual Property Organization, *WIPO Statistics Database*;
International Monetary Fund *World Economic Outlook Database*, 2015 (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	Guyana	3.39	100.00	0.97	●	73	Belarus	0.32	9.35	0.42	
1	Ireland	22.21	100.00	0.97	●	74	Cyprus	0.31	9.24	0.42	
1	Netherlands	4.18	100.00	0.97	●	75	Nigeria	0.30	8.80	0.41	
1	Singapore	3.78	100.00	0.97	●	76	Panama	0.29	8.49	0.40	
1	Switzerland (2012)	8.39	100.00	0.97	●	77	Paraguay	0.27	8.04	0.39	
6	Argentina	2.60	76.53	0.96	●	78	Lesotho	0.27	7.80	0.38	
7	Swaziland (2012)	2.00	58.89	0.95	●	79	Latvia	0.25	7.43	0.38	○
8	Japan	1.99	58.69	0.94		80	Estonia	0.25	7.38	0.37	○
9	Canada	1.93	56.89	0.94		81	Uruguay	0.24	7.01	0.36	
10	New Zealand	1.87	54.97	0.93		82	Uganda	0.23	6.87	0.35	
11	South Africa	1.70	50.12	0.92	●	83	Kenya (2012)	0.23	6.72	0.34	
12	Thailand	1.64	48.42	0.91	●	84	Mongolia	0.23	6.65	0.34	
13	Finland	1.62	47.84	0.90		85	Algeria (2012)	0.20	5.88	0.33	
14	United States of America	1.58	46.61	0.90		86	Kazakhstan	0.20	5.79	0.32	
15	Russian Federation	1.57	46.34	0.89	●	87	Mauritius	0.19	5.60	0.31	
16	Malta	1.52	44.83	0.88		88	Montenegro	0.19	5.49	0.30	○
17	Korea, Rep.	1.48	43.53	0.87		89	Morocco	0.18	5.14	0.30	
18	Iceland (2012)	1.40	41.34	0.86		90	Iran, Islamic Rep. (2012)	0.17	5.11	0.29	
19	France	1.27	37.47	0.86		91	Botswana (2012)	0.16	4.76	0.28	
20	Australia	1.23	36.15	0.85		92	Slovakia	0.16	4.75	0.27	○
21	Brazil	1.22	35.80	0.84	●	93	Kyrgyzstan (2012)	0.16	4.73	0.26	
22	Ukraine	1.16	34.20	0.83	●	94	Georgia	0.16	4.60	0.26	
23	Poland	1.11	32.82	0.82	●	95	Côte d'Ivoire (2010)	0.15	4.45	0.25	
24	Hungary	1.11	32.77	0.82		96	Seychelles (2012)	0.14	4.22	0.24	
25	Romania	1.07	31.48	0.81	●	97	Cambodia	0.12	3.37	0.23	
26	United Kingdom	1.05	30.97	0.80		98	Lithuania	0.11	3.30	0.22	○
27	Chile	1.04	30.63	0.79		99	Niger (2009)	0.11	3.22	0.22	
28	Serbia	1.03	30.35	0.78		100	Togo (2010)	0.11	3.13	0.21	
29	Jamaica	1.02	30.00	0.78	●	101	Azerbaijan (2012)	0.10	3.04	0.20	
30	Denmark	1.00	29.47	0.77		102	Mozambique (2012)	0.10	2.82	0.19	
31	Croatia	0.98	28.98	0.76		103	Cameroon (2012)	0.10	2.80	0.18	
32	Italy	0.97	28.67	0.75		104	Senegal (2012)	0.09	2.67	0.18	
33	Sweden	0.97	28.43	0.74		105	Fiji	0.09	2.66	0.17	
34	Barbados (2010)	0.91	26.79	0.74		106	Bosnia and Herzegovina	0.08	2.48	0.16	○
35	China	0.91	26.74	0.73		107	Lebanon (2012)	0.07	1.96	0.15	○
36	Luxembourg	0.86	25.25	0.72		108	Mali (2010)	0.07	1.92	0.14	
37	Germany	0.84	24.66	0.71		109	Namibia	0.07	1.91	0.14	○
38	Austria	0.83	24.57	0.70		110	Tunisia (2012)	0.05	1.55	0.13	○
39	Colombia	0.83	24.57	0.70		111	Rwanda (2012)	0.05	1.50	0.12	
40	Indonesia	0.83	24.56	0.69	●	112	Yemen (2011)	0.05	1.38	0.11	
41	El Salvador	0.83	24.38	0.68	●	113	Bangladesh (2012)	0.03	0.98	0.10	
42	India	0.76	22.49	0.67		114	Ethiopia (2012)	0.02	0.71	0.10	
43	Slovenia	0.73	21.63	0.66		115	Guinea (2012)	0.02	0.70	0.09	
44	Philippines	0.73	21.59	0.66	●	116	Malawi (2012)	0.02	0.68	0.08	○
45	Belgium	0.72	21.30	0.65		117	Tanzania, United Rep.	0.01	0.36	0.07	
46	Madagascar (2012)	0.68	20.10	0.64	●	118	Nicaragua	0.01	0.35	0.06	○
47	Guatemala	0.65	19.22	0.63	●	119	Cabo Verde	0.01	0.32	0.06	○
48	TFYR of Macedonia	0.65	19.10	0.62		120	Burkina Faso (2012)	0.01	0.23	0.05	○
49	Czech Republic	0.64	18.97	0.62		121	Zambia (2012)	0.01	0.16	0.04	○
50	Egypt (2012)	0.59	17.48	0.61		122	Bhutan	0.01	0.15	0.03	○
51	Malaysia	0.58	17.03	0.60		123	Angola (2012)	0.00	0.12	0.02	
52	Bulgaria	0.55	16.15	0.59		124	Tajikistan (2012)	0.00	0.08	0.02	○
53	Israel (2012)	0.54	15.93	0.58		125	Burundi (2012)	0.00	0.08	0.01	○
54	Portugal	0.50	14.68	0.58		126	Sudan	0.00	0.00	0.00	○
55	Greece	0.48	14.12	0.57		n/a	Armenia	n/a	n/a	n/a	
56	Moldova, Rep.	0.47	13.69	0.56		n/a	Bahrain	n/a	n/a	n/a	
57	Peru (2012)	0.46	13.61	0.55		n/a	Gambia	n/a	n/a	n/a	
58	Spain	0.46	13.57	0.54	○	n/a	Ghana	n/a	n/a	n/a	
59	Venezuela, Bolivarian Rep. (2012)	0.45	13.31	0.54		n/a	Jordan	n/a	n/a	n/a	
60	Dominican Republic (2012)	0.45	13.17	0.53		n/a	Kuwait	n/a	n/a	n/a	
61	Ecuador	0.44	12.89	0.52		n/a	Myanmar	n/a	n/a	n/a	
62	Norway	0.40	11.87	0.51	○	n/a	Nepal	n/a	n/a	n/a	
63	Albania	0.40	11.86	0.50		n/a	Oman	n/a	n/a	n/a	
64	Bolivia, Plurinational St. (2012)	0.39	11.51	0.50		n/a	Qatar	n/a	n/a	n/a	
65	Mexico	0.36	10.69	0.49		n/a	Saudi Arabia	n/a	n/a	n/a	
66	Hong Kong (China) (2012)	0.36	10.55	0.48		n/a	Sri Lanka	n/a	n/a	n/a	
67	Honduras	0.35	10.44	0.47		n/a	United Arab Emirates	n/a	n/a	n/a	
68	Trinidad and Tobago (2011)	0.34	9.89	0.46		n/a	Uzbekistan	n/a	n/a	n/a	
69	Zimbabwe (2012)	0.33	9.85	0.46		n/a	Viet Nam	n/a	n/a	n/a	
70	Turkey	0.33	9.73	0.45							
71	Pakistan	0.33	9.67	0.44							
72	Costa Rica	0.32	9.42	0.43							

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

NOTE: ● indicates a strength; ○ a weakness

5.3.2 High-tech imports

High-tech net imports (% of total trade) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	41.48	100.00	0.99	●	73	Nicaragua	6.51	21.19	0.44	●
1	Malaysia	23.42	100.00	0.99	●	74	Ukraine	6.48	21.06	0.43	
3	Fiji	23.14	98.70	0.98	●	75	Bulgaria	6.34	20.40	0.42	
4	Viet Nam	22.04	93.55	0.98	●	76	Namibia	6.33	20.35	0.41	
5	Costa Rica	20.89	88.21	0.97	●	77	Portugal	6.29	20.15	0.41	○
6	Singapore	20.75	87.54	0.96		78	Honduras	6.23	19.87	0.40	
7	Panama (2011)	20.19	84.93	0.95	●	79	Denmark	6.17	19.61	0.39	○
8	China	18.76	78.27	0.95	●	80	TFYR of Macedonia	6.14	19.45	0.38	
9	Mexico	17.67	73.19	0.94	●	81	Spain	6.04	19.02	0.38	○
10	United States of America	16.12	65.99	0.93		82	Georgia	6.02	18.91	0.37	
11	Paraguay	16.02	65.51	0.92	●	83	Saudi Arabia	6.02	18.89	0.36	
12	Czech Republic	15.65	63.79	0.91	●	84	Nepal	6.00	18.83	0.35	
13	Colombia	15.63	63.67	0.91	●	85	Norway	5.93	18.48	0.34	○
14	Slovakia	14.78	59.75	0.90	●	86	Greece	5.84	18.08	0.34	
15	Thailand	14.69	59.30	0.89	●	87	Armenia	5.71	17.46	0.33	
16	Mozambique	14.36	57.78	0.88	●	88	Belarus	5.65	17.19	0.32	
17	Japan	13.95	55.87	0.88		89	Dominican Republic	5.52	16.58	0.31	
18	Hungary	13.82	55.25	0.87	●	90	Slovenia	5.50	16.48	0.30	○
19	Malta	13.35	53.08	0.86		91	United Arab Emirates	5.45	16.27	0.30	○
20	Malawi	13.32	52.90	0.85	●	92	Bosnia and Herzegovina	5.35	15.80	0.29	
21	Korea, Rep.	12.68	49.93	0.84		93	Kyrgyzstan	5.32	15.63	0.28	
22	Netherlands	12.59	49.54	0.84		94	Sri Lanka	5.30	15.56	0.27	
23	Brazil	12.02	46.86	0.83	●	95	Ireland	5.15	14.83	0.27	○
24	Estonia	11.83	45.98	0.82		96	Jordan	5.15	14.83	0.26	
25	France	11.56	44.71	0.81		97	Mali	5.10	14.62	0.25	
26	United Kingdom	11.19	42.99	0.80		98	Mauritius	5.08	14.52	0.24	
27	Kenya	10.90	41.65	0.80	●	99	Ghana	5.06	14.43	0.23	
28	Rwanda	10.64	40.42	0.79	●	100	Iceland	4.95	13.91	0.23	○
29	Argentina	10.53	39.93	0.78	●	101	Trinidad and Tobago	4.92	13.76	0.22	
30	Canada	10.23	38.53	0.77		102	Montenegro	4.89	13.63	0.21	○
31	South Africa	10.18	38.29	0.77		103	Lithuania	4.73	12.89	0.20	○
32	Switzerland	9.92	37.10	0.76		104	Côte d'Ivoire	4.63	12.45	0.20	
33	Burundi	9.81	36.55	0.75	●	105	Cyprus	4.57	12.14	0.19	○
34	El Salvador	9.75	36.28	0.74	●	106	Zambia	4.52	11.92	0.18	
35	Chile	9.67	35.92	0.73		107	Burkina Faso	4.50	11.84	0.17	
36	Ethiopia	9.67	35.92	0.73	●	108	Cambodia	4.38	11.28	0.16	
37	Australia	9.61	35.63	0.72		109	Bahrain	4.22	10.51	0.16	
38	Belgium	9.61	35.61	0.71		110	Madagascar	4.19	10.37	0.15	
39	Germany	9.57	35.46	0.70		111	Iran, Islamic Rep.	4.02	9.59	0.14	
40	New Zealand	9.47	34.98	0.70		112	Azerbaijan	3.94	9.19	0.13	○
41	Bangladesh	9.44	34.82	0.69	●	113	Luxembourg	3.89	8.96	0.13	○
42	Israel	9.36	34.47	0.68		114	Kuwait	3.83	8.69	0.12	○
43	Ecuador	9.36	34.46	0.67	●	115	Jamaica	3.60	7.60	0.11	○
44	Guatemala	9.32	34.26	0.66	●	116	Albania	3.58	7.54	0.10	○
45	Poland	9.23	33.85	0.66		117	Guyana	3.56	7.46	0.09	○
46	Sweden	9.20	33.74	0.65		118	Cabo Verde	3.54	7.33	0.09	
47	Romania	9.10	33.26	0.64		119	Bhutan	3.29	6.20	0.08	
48	Sudan	9.02	32.89	0.63	●	120	Yemen	3.24	5.95	0.07	
49	Austria	8.95	32.55	0.63		121	Botswana	3.21	5.80	0.06	○
50	Uruguay	8.89	32.27	0.62		122	Senegal	3.10	5.28	0.05	○
51	Peru	8.77	31.71	0.61		123	Togo	3.03	4.97	0.05	○
52	Indonesia	8.36	29.80	0.60		124	Nigeria	2.89	4.33	0.04	○
53	Turkey	8.14	28.77	0.59		125	Oman	2.89	4.31	0.03	○
54	Tunisia	8.13	28.74	0.59		126	Lebanon	2.76	3.70	0.02	○
55	Bolivia, Plurinational St.	7.90	27.64	0.58	●	127	Gambia	2.73	3.59	0.02	○
56	Zimbabwe	7.88	27.56	0.57	●	128	Qatar	2.26	1.40	0.01	○
57	Latvia	7.58	26.18	0.56		129	Myanmar	1.96	0.00	0.00	○
58	Croatia	7.58	26.17	0.55		n/a	Angola	n/a	n/a	n/a	
59	Uganda	7.47	25.65	0.55		n/a	Barbados	n/a	n/a	n/a	
60	Pakistan	7.32	24.96	0.54	●	n/a	Cameroon	n/a	n/a	n/a	
61	Algeria	7.26	24.67	0.53	●	n/a	Guinea	n/a	n/a	n/a	
62	Italy	7.17	24.24	0.52		n/a	Lesotho	n/a	n/a	n/a	
63	Russian Federation	7.14	24.13	0.52		n/a	Morocco	n/a	n/a	n/a	
64	Finland	7.12	24.01	0.51	○	n/a	Philippines	n/a	n/a	n/a	
65	Moldova, Rep.	6.95	23.25	0.50		n/a	Seychelles	n/a	n/a	n/a	
66	Niger	6.92	23.11	0.49	●	n/a	Swaziland	n/a	n/a	n/a	
67	Mongolia	6.83	22.68	0.48		n/a	Tajikistan	n/a	n/a	n/a	
68	Tanzania, United Rep.	6.82	22.62	0.48		n/a	Uzbekistan	n/a	n/a	n/a	
69	Kazakhstan	6.82	22.62	0.47		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
70	India	6.75	22.30	0.46							
71	Serbia	6.59	21.57	0.45							
72	Egypt	6.52	21.23	0.45							

SOURCE: United Nations, COMTRADE database; Eurostat 'High-technology' aggregations based on SITC Rev. 4; WTO Trade in Commercial Services database

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	Finland.....	3.40	100.00	0.99	●	73	Indonesia.....	0.74	20.83	0.41	
1	Niger (2011).....	7.82	100.00	0.99	●	74	India.....	0.74	20.76	0.40	
3	Gambia (2009).....	3.23	95.14	0.98	●	75	Philippines.....	0.74	20.72	0.39	
4	Luxembourg.....	3.20	94.25	0.98	●	76	Bulgaria.....	0.73	20.48	0.39	
5	Madagascar (2012).....	2.97	87.34	0.97	●	77	Japan.....	0.71	19.85	0.38	○
6	Sweden.....	2.82	82.86	0.96	●	78	Australia.....	0.69	19.21	0.37	○
7	Mali (2012).....	2.60	76.20	0.95	●	79	Mozambique (2012).....	0.69	19.16	0.36	
8	Burkina Faso (2012).....	2.47	72.23	0.94	●	80	Honduras.....	0.69	19.15	0.35	
9	Togo (2011).....	2.18	63.65	0.93	●	81	Lesotho.....	0.65	18.18	0.34	
10	Uganda.....	2.16	63.23	0.93	●	82	El Salvador.....	0.62	17.09	0.34	
11	Cyprus.....	2.14	62.39	0.92	●	83	Bolivia, Plurinational St. (2012).....	0.61	16.97	0.33	
12	Fiji (2012).....	2.03	59.32	0.91	●	84	Costa Rica.....	0.60	16.62	0.32	
13	Senegal (2012).....	2.03	59.22	0.90	●	85	Singapore (2008).....	0.60	16.53	0.31	○
14	Estonia.....	2.02	58.95	0.89		86	Iran, Islamic Rep. (2012).....	0.59	16.21	0.30	
15	Sri Lanka.....	2.02	58.80	0.89	●	87	Namibia (2011).....	0.54	14.70	0.30	
16	Denmark.....	2.00	58.35	0.88		88	Venezuela, Bolivarian Rep. (2012).....	0.54	14.63	0.29	
17	Germany.....	1.96	57.23	0.87		89	Lithuania.....	0.53	14.49	0.28	○
18	Belgium.....	1.96	57.01	0.86		90	Hong Kong (China) (2012).....	0.52	14.31	0.27	○
19	Montenegro.....	1.86	54.26	0.85	●	91	Azerbaijan.....	0.52	14.29	0.26	
20	Barbados (2010).....	1.86	54.19	0.84	●	92	Kuwait.....	0.51	13.89	0.25	
21	Moldova, Rep.....	1.83	53.12	0.84	●	93	Guatemala.....	0.51	13.73	0.25	
22	Slovenia.....	1.81	52.51	0.83		94	Cambodia.....	0.50	13.54	0.24	
23	Austria.....	1.78	51.69	0.82		95	Guinea (2012).....	0.49	13.42	0.23	●
24	France.....	1.78	51.69	0.81		96	Georgia.....	0.48	12.87	0.22	
25	Serbia.....	1.75	50.80	0.80	●	97	Tanzania, United Rep.....	0.46	12.49	0.21	
26	Mongolia.....	1.74	50.41	0.80		98	Cameroon (2012).....	0.45	12.14	0.20	
27	Guyana.....	1.73	50.28	0.79	●	99	Belarus.....	0.44	11.76	0.20	○
28	Italy.....	1.73	50.28	0.78		100	Kyrgyzstan.....	0.43	11.55	0.19	
29	Brazil.....	1.73	50.23	0.77	●	101	Kazakhstan.....	0.43	11.44	0.18	
30	United Kingdom.....	1.70	49.31	0.76		102	Tunisia (2012).....	0.42	11.17	0.17	○
31	Norway.....	1.69	49.11	0.75		103	Bhutan.....	0.41	10.96	0.16	
32	Iceland (2012).....	1.67	48.49	0.75		104	Botswana (2012).....	0.41	10.87	0.16	
33	Croatia.....	1.65	47.93	0.74		105	Slovakia.....	0.38	10.05	0.15	○
34	Ethiopia (2012).....	1.65	47.85	0.73	●	106	Morocco (2012).....	0.38	9.95	0.14	○
35	TFYR of Macedonia.....	1.64	47.47	0.72		107	Uruguay.....	0.38	9.91	0.13	○
36	Albania.....	1.63	47.32	0.71	●	108	Korea, Rep.....	0.38	9.85	0.12	○
37	Netherlands.....	1.57	45.40	0.70		109	Malawi (2012).....	0.37	9.78	0.11	
38	Romania.....	1.54	44.70	0.70		110	South Africa.....	0.36	9.41	0.11	○
39	Czech Republic.....	1.43	41.28	0.69		111	Dominican Republic (2012).....	0.36	9.31	0.10	○
40	Cabo Verde.....	1.42	40.93	0.68	●	112	China.....	0.33	8.42	0.09	○
41	United States of America.....	1.40	40.43	0.67		113	Yemen (2011).....	0.29	7.43	0.08	
42	New Zealand.....	1.35	38.81	0.66		114	Panama.....	0.25	6.24	0.07	○
43	Malaysia.....	1.32	38.05	0.66		115	Thailand.....	0.21	4.88	0.07	○
44	Latvia.....	1.31	37.70	0.65		116	Sudan.....	0.20	4.73	0.06	
45	Spain.....	1.29	37.01	0.64		117	Zambia (2012).....	0.20	4.70	0.05	○
46	Portugal.....	1.28	36.72	0.63		118	Algeria (2012).....	0.20	4.58	0.04	
47	Malta.....	1.24	35.67	0.62		119	Swaziland (2008).....	0.18	4.01	0.03	○
48	Israel (2012).....	1.24	35.67	0.61		120	Turkey.....	0.12	2.37	0.02	○
49	Poland.....	1.23	35.20	0.61		121	Bangladesh (2012).....	0.11	1.89	0.02	○
50	Mauritius.....	1.22	35.16	0.60		122	Kenya (2012).....	0.11	1.82	0.01	○
51	Argentina.....	1.21	34.73	0.59		123	Paraguay.....	0.04	0.00	0.00	○
52	Greece.....	1.19	34.25	0.58		n/a	Bahrain.....	n/a	n/a	n/a	
53	Russian Federation.....	1.15	32.83	0.57		n/a	Burundi.....	n/a	n/a	n/a	
54	Tajikistan (2012).....	1.11	31.64	0.57	●	n/a	Ecuador.....	n/a	n/a	n/a	
55	Armenia.....	1.09	31.32	0.56		n/a	Ghana.....	n/a	n/a	n/a	
56	Lebanon (2012).....	1.08	30.85	0.55		n/a	Jordan.....	n/a	n/a	n/a	
57	Nigeria.....	1.05	30.01	0.54	●	n/a	Mexico.....	n/a	n/a	n/a	
58	Canada.....	1.05	29.93	0.53	○	n/a	Myanmar.....	n/a	n/a	n/a	
59	Hungary.....	1.04	29.72	0.52		n/a	Nepal.....	n/a	n/a	n/a	
60	Pakistan.....	1.02	29.18	0.52		n/a	Nicaragua.....	n/a	n/a	n/a	
61	Ireland.....	0.95	27.13	0.51	○	n/a	Oman.....	n/a	n/a	n/a	
62	Jamaica.....	0.91	25.89	0.50		n/a	Qatar.....	n/a	n/a	n/a	
63	Trinidad and Tobago (2011).....	0.88	25.02	0.49		n/a	Saudi Arabia.....	n/a	n/a	n/a	
64	Angola (2012).....	0.87	24.47	0.48	●	n/a	Seychelles.....	n/a	n/a	n/a	
65	Bosnia and Herzegovina.....	0.85	23.87	0.48		n/a	Switzerland.....	n/a	n/a	n/a	
66	Colombia.....	0.84	23.66	0.47		n/a	United Arab Emirates.....	n/a	n/a	n/a	
67	Chile (2012).....	0.83	23.52	0.46		n/a	Uzbekistan.....	n/a	n/a	n/a	
68	Ukraine.....	0.83	23.51	0.45		n/a	Viet Nam.....	n/a	n/a	n/a	
69	Peru (2012).....	0.81	22.78	0.44		n/a	Zimbabwe.....	n/a	n/a	n/a	
70	Côte d'Ivoire (2010).....	0.78	21.83	0.43	●	SOURCE: World Trade Organization, <i>Trade in Commercial Services</i> database, based on the International Monetary Fund <i>Balance of Payments</i> database					
71	Rwanda (2012).....	0.77	21.71	0.43		NOTE: ● indicates a strength; ○ a weakness					
72	Egypt (2012).....	0.75	21.06	0.42							

5.3.4 Foreign direct investment net inflows

Foreign direct investment (FDI), net inflows (% of GDP) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	27.97	100.00	0.99	●	73	Iceland	2.37	45.93	0.48	
1	Luxembourg	49.81	100.00	0.99	●	74	Tunisia	2.32	45.84	0.47	
1	Mozambique	42.11	100.00	0.99	●	75	South Africa	2.32	45.82	0.47	
4	Ireland	22.94	89.37	0.98	●	76	Slovakia	2.24	45.67	0.46	
5	Singapore	21.40	86.14	0.97		77	Mauritius	2.17	45.50	0.45	
6	Mongolia	18.68	80.37	0.96	●	78	Ukraine	2.13	45.42	0.45	
7	Seychelles	14.01	70.51	0.96	●	79	Indonesia	2.12	45.41	0.44	
8	Barbados (2012)	12.20	66.70	0.95	●	80	Cabo Verde	2.05	45.27	0.43	
9	Panama	11.84	65.94	0.94	●	81	Egypt	2.04	45.24	0.42	
10	Albania	11.45	65.12	0.94	●	82	Ethiopia	2.03	45.22	0.42	
11	Kyrgyzstan	10.48	63.07	0.93	●	83	Oman	2.02	45.19	0.41	
12	Montenegro	10.08	62.23	0.92	●	84	Lesotho	1.98	45.11	0.40	
13	Cambodia	8.82	59.56	0.91	●	85	Senegal	1.97	45.09	0.40	
14	Niger	8.58	59.06	0.91	●	86	Romania	1.97	45.08	0.39	
15	Zambia	8.09	58.02	0.90	●	87	Cameroon	1.95	45.05	0.38	
16	Madagascar	7.76	57.31	0.89	●	88	Togo	1.94	45.03	0.37	
17	Nicaragua	7.51	56.79	0.88	●	89	United Kingdom	1.92	44.98	0.37	○
18	Chile	7.31	56.36	0.88	●	90	Uzbekistan	1.90	44.93	0.36	
19	Trinidad and Tobago	6.95	55.61	0.87	●	91	Bosnia and Herzegovina	1.81	44.74	0.35	
20	Fiji	6.75	55.19	0.86	●	92	Swaziland	1.77	44.66	0.35	
21	Ghana	6.73	55.15	0.86	●	93	Argentina	1.68	44.47	0.34	
22	Guyana	6.52	54.70	0.85	●	94	Venezuela, Bolivarian Rep.	1.61	44.32	0.33	
23	Costa Rica	6.52	54.70	0.84	●	95	Turkey	1.57	44.24	0.32	
24	Lebanon	6.39	54.42	0.83	●	96	Kuwait (2012)	1.57	44.24	0.32	
25	Georgia	6.33	54.29	0.83	●	97	Lithuania	1.55	44.20	0.31	○
26	Honduras	5.76	53.10	0.82	●	98	India	1.50	44.10	0.30	
27	Bolivia, Plurinational St.	5.72	53.00	0.81	●	99	Rwanda	1.49	44.07	0.29	
28	Tanzania, United Rep.	5.64	52.83	0.81	●	100	Philippines	1.42	43.92	0.29	
29	Namibia	5.56	52.67	0.80	●	101	United States of America	1.40	43.89	0.28	○
30	Jordan	5.34	52.21	0.79	●	102	Sri Lanka	1.36	43.81	0.27	
31	Uganda	5.33	52.19	0.78	●	103	Botswana	1.27	43.62	0.27	
32	Viet Nam	5.19	51.90	0.78	●	104	Tajikistan	1.27	43.60	0.26	
33	Uruguay	5.08	51.66	0.77	●	105	Saudi Arabia	1.25	43.56	0.25	○
34	Peru	5.03	51.55	0.76	●	106	Côte d'Ivoire	1.20	43.46	0.24	
35	Colombia	4.44	50.30	0.76		107	Kenya	1.17	43.39	0.24	
36	Kazakhstan	4.34	50.09	0.75	●	108	Bangladesh	1.16	43.37	0.23	
37	Israel	4.05	49.48	0.74		109	Paraguay	1.16	43.37	0.22	
38	Jamaica	4.02	49.41	0.73	●	110	Bhutan	1.12	43.29	0.22	
39	Netherlands	4.01	49.40	0.73		111	Greece	1.11	43.28	0.21	○
40	China	3.76	48.88	0.72		112	Nigeria	1.07	43.20	0.20	
41	Mali	3.75	48.85	0.71	●	113	Croatia	1.02	43.09	0.19	○
42	Estonia	3.72	48.78	0.71		114	Korea, Rep.	0.94	42.91	0.19	○
43	Malaysia	3.71	48.76	0.70		115	Germany	0.90	42.82	0.18	○
44	Canada	3.70	48.74	0.69		116	Iran, Islamic Rep.	0.83	42.67	0.17	
45	TFYR of Macedonia	3.68	48.71	0.68		117	El Salvador	0.81	42.64	0.17	
46	Brazil	3.60	48.53	0.68		118	Algeria	0.80	42.63	0.16	
47	Portugal	3.58	48.49	0.67		119	Ecuador	0.78	42.58	0.15	
48	Bulgaria	3.56	48.45	0.66		120	Italy	0.63	42.27	0.14	○
49	Azerbaijan	3.56	48.45	0.65	●	121	Pakistan	0.55	42.09	0.14	
50	Armenia	3.55	48.42	0.65		122	New Zealand	0.49	41.97	0.13	○
51	Russian Federation	3.37	48.04	0.64		123	Denmark	0.48	41.95	0.12	○
52	Austria	3.33	47.96	0.63		124	Guinea	0.40	41.77	0.12	
53	Spain	3.31	47.91	0.63		125	Nepal	0.38	41.73	0.11	
54	Sudan	3.27	47.84	0.62	●	126	Burundi	0.25	41.46	0.10	
55	Thailand	3.27	47.83	0.61		127	France	0.24	41.43	0.09	○
56	Serbia	3.24	47.77	0.60		128	Japan	0.08	41.09	0.09	○
57	Burkina Faso	3.23	47.75	0.60	●	129	Yemen	-0.37	40.14	0.08	
58	Morocco	3.22	47.72	0.59		130	Qatar	-0.42	40.05	0.07	○
59	Malawi	3.20	47.68	0.58	●	131	Norway	-0.49	39.90	0.06	○
60	Australia	3.17	47.61	0.58		132	Hungary	-0.56	39.74	0.06	○
61	Moldova, Rep.	3.16	47.61	0.57		133	Belgium	-0.64	39.57	0.05	○
62	Zimbabwe	3.12	47.53	0.56	●	134	Poland	-0.89	39.06	0.04	○
63	Belarus	3.11	47.50	0.55		135	Slovenia	-0.89	39.04	0.04	○
64	Mexico	3.04	47.34	0.55		136	Sweden	-0.92	38.99	0.03	○
65	Bahrain	3.02	47.30	0.54		137	Switzerland	-1.26	38.27	0.02	○
66	Latvia	2.85	46.94	0.53		138	Finland	-2.06	36.57	0.01	○
67	Cyprus	2.77	46.78	0.53		139	Angola	-3.52	33.49	0.01	○
68	Gambia	2.76	46.77	0.52	●	140	Malta	-19.38	0.00	0.00	○
69	Dominican Republic	2.64	46.50	0.51		n/a	Myanmar	n/a	n/a	n/a	
70	Czech Republic	2.52	46.26	0.50							
71	Guatemala	2.51	46.23	0.50							
72	United Arab Emirates (2012)	2.50	46.21	0.49							

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

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	43.59	100.00	0.96	●	73	Mexico	0.59	4.31	0.35	
1	Germany	13.12	100.00	0.96	●	74	Bhutan	0.55	4.06	0.34	
1	Japan	58.00	100.00	0.96	●	75	Jordan	0.46	3.35	0.33	
1	Korea, Rep.	94.27	100.00	0.96	●	76	Côte d'Ivoire (2012)	0.44	3.19	0.32	
1	United States of America	17.17	100.00	0.96	●	77	Yemen	0.42	3.04	0.32	●
6	New Zealand	10.64	81.10	0.95	●	78	Colombia	0.42	3.01	0.31	
7	Belarus	8.93	68.01	0.95	●	79	Paraguay (2010)	0.41	2.93	0.30	
8	Iran, Islamic Rep.	8.85	67.43	0.94	●	80	Swaziland (2012)	0.37	2.69	0.29	
9	Russian Federation	8.24	62.74	0.93	●	81	Uruguay (2012)	0.35	2.50	0.28	
10	Slovenia (2011)	7.97	60.72	0.92	●	82	Philippines	0.34	2.45	0.27	
11	Finland	7.32	55.71	0.91		83	Saudi Arabia	0.32	2.29	0.26	○
12	Ukraine	7.28	55.44	0.90	●	84	Costa Rica	0.31	2.21	0.25	○
13	United Kingdom	6.11	46.51	0.89		85	Nepal	0.29	2.04	0.24	
14	Kyrgyzstan	6.09	46.34	0.88	●	86	Indonesia	0.26	1.85	0.23	
15	France	5.80	44.09	0.87		87	Botswana	0.25	1.76	0.23	
16	Austria	5.57	42.33	0.86		88	Algeria	0.23	1.56	0.22	
17	Denmark	5.51	41.88	0.86		89	Peru	0.20	1.39	0.21	
18	Armenia	5.40	41.09	0.85	●	90	Bosnia and Herzegovina	0.19	1.27	0.20	
19	Sweden	5.39	41.00	0.84		91	Pakistan	0.18	1.21	0.19	
20	Mongolia (2010)	5.37	40.83	0.83		92	Honduras	0.16	1.06	0.18	
21	Latvia	4.85	36.87	0.82		93	Uganda	0.14	0.89	0.17	
22	Israel	4.66	35.45	0.81		94	Zambia (2012)	0.13	0.85	0.16	
23	Poland	4.65	35.36	0.80		95	Panama	0.13	0.80	0.15	
24	Kazakhstan	4.61	35.06	0.79	●	96	Madagascar	0.12	0.78	0.14	
25	Moldova, Rep.	4.01	30.49	0.78		97	Bangladesh	0.12	0.76	0.14	
26	Italy	3.94	29.96	0.77		98	Nicaragua	0.11	0.66	0.13	
27	Georgia	3.54	26.87	0.77		99	Albania (2011)	0.10	0.63	0.12	
28	Switzerland	3.34	25.32	0.76		100	Tajikistan	0.10	0.57	0.11	
29	Norway	3.31	25.10	0.75		101	Burkina Faso (2010)	0.09	0.54	0.10	
30	Czech Republic	3.24	24.56	0.74		102	Mauritius	0.09	0.52	0.09	○
31	Turkey	3.04	23.05	0.73		103	Dominican Republic	0.09	0.50	0.08	○
32	Canada	2.99	22.63	0.72		104	Cyprus	0.07	0.39	0.07	○
33	Netherlands	2.97	22.49	0.71		105	Venezuela, Bolivarian Rep. (2011)	0.07	0.34	0.06	
34	Australia	2.91	22.07	0.70		106	Bahrain	0.05	0.23	0.05	○
35	Hungary	2.74	20.76	0.69		107	Nigeria	0.05	0.23	0.05	
36	Romania	2.64	19.99	0.68		108	Guatemala	0.04	0.10	0.04	○
37	Singapore	2.64	19.97	0.68		109	United Arab Emirates	0.03	0.08	0.03	○
38	Croatia	2.63	19.89	0.67		110	Qatar	0.03	0.07	0.02	○
39	Montenegro	2.52	19.09	0.66		111	Ecuador (2010)	0.03	0.06	0.01	○
40	Greece	2.51	19.01	0.65		112	Cambodia	0.02	0.00	0.00	○
41	Rwanda (2012)	2.45	18.54	0.64		n/a	Angola	n/a	n/a	n/a	
42	Iceland	2.40	18.14	0.63		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
43	Portugal	2.36	17.88	0.62		n/a	Burundi	n/a	n/a	n/a	
44	Luxembourg	2.29	17.36	0.61		n/a	Cabo Verde	n/a	n/a	n/a	
45	Bulgaria	2.26	17.11	0.60		n/a	Cameroon	n/a	n/a	n/a	
46	Serbia	2.10	15.85	0.59		n/a	El Salvador	n/a	n/a	n/a	
47	Spain	1.99	15.01	0.59		n/a	Ethiopia	n/a	n/a	n/a	
48	Uzbekistan	1.91	14.42	0.58	●	n/a	Fiji	n/a	n/a	n/a	
49	Malaysia	1.73	13.03	0.57		n/a	Gambia	n/a	n/a	n/a	
50	Sri Lanka	1.64	12.39	0.56		n/a	Ghana	n/a	n/a	n/a	
51	Thailand	1.63	12.28	0.55		n/a	Guinea	n/a	n/a	n/a	
52	TFYR of Macedonia	1.60	12.06	0.54		n/a	Guyana	n/a	n/a	n/a	
53	India	1.57	11.84	0.53		n/a	Kuwait	n/a	n/a	n/a	
54	Ireland	1.56	11.76	0.52	○	n/a	Lebanon	n/a	n/a	n/a	
55	Brazil	1.54	11.62	0.51		n/a	Lesotho	n/a	n/a	n/a	
56	Lithuania	1.53	11.55	0.50		n/a	Malawi	n/a	n/a	n/a	
57	Belgium	1.52	11.46	0.50		n/a	Mali	n/a	n/a	n/a	
58	Morocco	1.31	9.82	0.49		n/a	Mozambique	n/a	n/a	n/a	
59	Slovakia	1.25	9.40	0.48		n/a	Myanmar	n/a	n/a	n/a	
60	Kenya	1.02	7.66	0.47		n/a	Namibia	n/a	n/a	n/a	
61	Azerbaijan	0.98	7.35	0.46		n/a	Niger	n/a	n/a	n/a	
62	Malta	0.97	7.22	0.45		n/a	Oman	n/a	n/a	n/a	
63	Tunisia	0.94	6.98	0.44		n/a	Senegal	n/a	n/a	n/a	
64	South Africa	0.93	6.96	0.43		n/a	Seychelles	n/a	n/a	n/a	
65	Viet Nam	0.93	6.96	0.42		n/a	Sudan	n/a	n/a	n/a	
66	Jamaica	0.93	6.94	0.41		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
67	Chile	0.86	6.39	0.41		n/a	Togo	n/a	n/a	n/a	
68	Estonia	0.73	5.38	0.40	○	n/a	Trinidad and Tobago	n/a	n/a	n/a	
69	Egypt	0.70	5.21	0.39		n/a	Zimbabwe	n/a	n/a	n/a	
70	Argentina	0.69	5.12	0.38							
71	Barbados	0.67	4.96	0.37							
72	Hong Kong (China)	0.59	4.34	0.36	○						

SOURCE: World Intellectual Property Organization, *WIPO Statistics Database*;
International Monetary Fund *World Economic Outlook Database*, 2015 (PPP\$ GDP)

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) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Barbados	38.75	100.00	0.96	●	73	El Salvador	0.06	0.67	0.27	
1	Finland	8.21	100.00	0.96	●	74	Rwanda (2013)	0.06	0.66	0.26	
1	Japan	8.94	100.00	0.96	●	75	Qatar	0.06	0.64	0.25	
1	Sweden	8.76	100.00	0.96	●	76	Kyrgyzstan	0.05	0.59	0.24	
1	Switzerland	8.70	100.00	0.96	●	77	Uganda	0.05	0.59	0.23	
6	Luxembourg	7.62	92.85	0.95		78	Egypt	0.05	0.57	0.22	
7	Korea, Rep.	7.39	90.03	0.94		79	Philippines	0.05	0.57	0.21	
8	Israel	5.95	72.39	0.93		80	Kazakhstan	0.05	0.51	0.20	
9	Netherlands	5.28	64.31	0.92		81	Côte d'Ivoire	0.04	0.47	0.19	
10	Denmark	5.21	63.48	0.91		82	Ecuador	0.04	0.43	0.18	
11	Germany	4.84	58.91	0.90		83	Uzbekistan	0.03	0.38	0.17	
12	Malta	4.11	49.97	0.89		84	Peru	0.03	0.35	0.16	○
13	United States of America	3.53	42.97	0.88		85	Bahrain	0.03	0.35	0.15	
14	Austria	3.51	42.68	0.87		86	Albania	0.03	0.34	0.14	
15	France	3.22	39.23	0.86		87	Georgia	0.03	0.31	0.13	○
16	Iceland	3.03	36.82	0.85		88	Sudan	0.03	0.26	0.12	
17	Slovenia	2.55	31.05	0.84		89	Trinidad and Tobago	0.02	0.23	0.11	○
18	Belgium	2.49	30.24	0.83		90	Dominican Republic	0.02	0.22	0.10	○
19	New Zealand	2.18	26.49	0.82		91	Ghana (2013)	0.02	0.19	0.09	○
20	Singapore	2.09	25.36	0.81		92	Oman (2013)	0.02	0.19	0.08	○
21	Seychelles	2.08	25.27	0.80	●	93	Cameroon (2013)	0.02	0.15	0.07	○
22	United Kingdom	2.07	25.20	0.79		94	Viet Nam	0.01	0.12	0.06	○
23	Norway	2.00	24.31	0.78		95	Algeria	0.01	0.11	0.05	
24	Canada	1.94	23.60	0.77		96	Angola	0.01	0.09	0.04	
25	Ireland	1.94	23.59	0.76		97	Guatemala	0.01	0.06	0.03	○
26	Australia	1.58	19.15	0.75		98	Indonesia	0.01	0.03	0.02	○
27	China	1.45	17.62	0.74		99	Azerbaijan	0.01	0.03	0.01	○
28	Italy	1.44	17.48	0.73		100	Nigeria	0.00	0.00	0.00	○
29	Cyprus	1.39	16.84	0.72		n/a	Argentina	n/a	n/a	n/a	
30	Spain	1.09	13.22	0.71		n/a	Bangladesh	n/a	n/a	n/a	
31	Estonia	0.81	9.87	0.70		n/a	Bhutan	n/a	n/a	n/a	
32	Hungary	0.65	7.82	0.69		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
33	Lithuania	0.62	7.45	0.68		n/a	Botswana	n/a	n/a	n/a	
34	Croatia	0.61	7.39	0.67		n/a	Burkina Faso	n/a	n/a	n/a	
35	Latvia	0.60	7.29	0.66		n/a	Burundi	n/a	n/a	n/a	
36	Czech Republic	0.60	7.27	0.65		n/a	Cabo Verde	n/a	n/a	n/a	
37	Portugal	0.56	6.82	0.64		n/a	Cambodia	n/a	n/a	n/a	
38	Turkey	0.53	6.43	0.63		n/a	Ethiopia	n/a	n/a	n/a	
39	Greece	0.47	5.65	0.62		n/a	Fiji	n/a	n/a	n/a	
40	Slovakia	0.43	5.14	0.61		n/a	Gambia	n/a	n/a	n/a	
41	South Africa	0.42	5.09	0.60		n/a	Guinea	n/a	n/a	n/a	
42	Malaysia	0.42	5.08	0.59		n/a	Guyana	n/a	n/a	n/a	
43	Bulgaria	0.40	4.78	0.58		n/a	Honduras	n/a	n/a	n/a	
44	Ukraine	0.37	4.42	0.57		n/a	Hong Kong (China)	n/a	n/a	n/a	
45	Poland	0.37	4.41	0.56		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
46	Chile	0.35	4.24	0.55		n/a	Jamaica	n/a	n/a	n/a	
47	Russian Federation	0.25	3.00	0.54		n/a	Jordan	n/a	n/a	n/a	
48	Panama	0.21	2.50	0.53		n/a	Kuwait	n/a	n/a	n/a	
49	India	0.19	2.26	0.52		n/a	Lebanon	n/a	n/a	n/a	
50	Morocco	0.18	2.13	0.51		n/a	Lesotho	n/a	n/a	n/a	
51	Brazil	0.18	2.12	0.49		n/a	Malawi	n/a	n/a	n/a	
52	Moldova, Rep.	0.17	2.02	0.48		n/a	Mali	n/a	n/a	n/a	
53	Armenia	0.16	1.96	0.47		n/a	Mauritius	n/a	n/a	n/a	
54	United Arab Emirates	0.16	1.94	0.46		n/a	Mongolia	n/a	n/a	n/a	
55	Colombia	0.16	1.90	0.45		n/a	Mozambique	n/a	n/a	n/a	
56	Serbia	0.15	1.74	0.44		n/a	Myanmar	n/a	n/a	n/a	
57	TFYR of Macedonia	0.14	1.72	0.43		n/a	Nepal	n/a	n/a	n/a	
58	Mexico	0.13	1.57	0.42		n/a	Nicaragua	n/a	n/a	n/a	
59	Bosnia and Herzegovina	0.13	1.55	0.41		n/a	Pakistan	n/a	n/a	n/a	
60	Namibia	0.13	1.50	0.40		n/a	Paraguay	n/a	n/a	n/a	
61	Costa Rica	0.13	1.50	0.39		n/a	Saudi Arabia	n/a	n/a	n/a	
62	Zimbabwe (2013)	0.12	1.36	0.38		n/a	Swaziland	n/a	n/a	n/a	
63	Montenegro	0.11	1.26	0.37		n/a	Tajikistan	n/a	n/a	n/a	
64	Sri Lanka	0.10	1.13	0.36		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
65	Senegal	0.09	1.04	0.35		n/a	Togo	n/a	n/a	n/a	
66	Belarus	0.08	0.87	0.34		n/a	Uruguay	n/a	n/a	n/a	
67	Thailand	0.07	0.79	0.33		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Kenya	0.07	0.78	0.32		n/a	Yemen	n/a	n/a	n/a	
69	Romania	0.07	0.76	0.31		n/a	Zambia	n/a	n/a	n/a	
70	Tunisia	0.06	0.74	0.30							
71	Niger (2012)	0.06	0.74	0.29							
72	Madagascar	0.06	0.67	0.28							

SOURCE: World Intellectual Property Organization, *WIPO Statistics Database*;
International Monetary Fund *World Economic Outlook Database*, 2015 (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	Belarus	6.25	100.00	0.95	●	n/a	Cambodia	n/a	n/a	n/a
1	China	54.73	100.00	0.95	●	n/a	Cameroon	n/a	n/a	n/a
1	Moldova, Rep.	12.64	100.00	0.95	●	n/a	Canada	n/a	n/a	n/a
1	Ukraine	25.44	100.00	0.95	●	n/a	Côte d'Ivoire	n/a	n/a	n/a
5	Mongolia (2010)	6.20	99.12	0.93	●	n/a	Cyprus	n/a	n/a	n/a
6	Korea, Rep.	6.17	98.59	0.92		n/a	Egypt	n/a	n/a	n/a
7	Czech Republic	5.47	87.37	0.90		n/a	El Salvador	n/a	n/a	n/a
8	Russian Federation	3.89	62.15	0.88	●	n/a	Ethiopia	n/a	n/a	n/a
9	Germany	3.23	51.47	0.86		n/a	Fiji	n/a	n/a	n/a
10	Tajikistan	3.20	51.08	0.85	●	n/a	Ghana	n/a	n/a	n/a
11	Bulgaria	2.90	46.19	0.83	●	n/a	Guinea	n/a	n/a	n/a
12	Estonia	2.76	44.04	0.81		n/a	Guyana	n/a	n/a	n/a
13	Turkey	2.40	38.22	0.80	●	n/a	Iceland	n/a	n/a	n/a
14	Slovakia	2.31	36.76	0.78		n/a	India	n/a	n/a	n/a
15	Finland	2.04	32.40	0.76		n/a	Iran, Islamic Rep.	n/a	n/a	n/a
16	Georgia	1.93	30.64	0.75		n/a	Ireland	n/a	n/a	n/a
17	Armenia	1.73	27.48	0.73		n/a	Israel	n/a	n/a	n/a
18	Spain	1.66	26.37	0.71		n/a	Jamaica	n/a	n/a	n/a
19	Thailand	1.62	25.71	0.69		n/a	Jordan	n/a	n/a	n/a
20	Austria	1.46	23.25	0.68		n/a	Kuwait	n/a	n/a	n/a
21	Japan	1.27	20.18	0.66		n/a	Latvia	n/a	n/a	n/a
22	Italy	1.18	18.65	0.64		n/a	Lebanon	n/a	n/a	n/a
23	Philippines	1.16	18.29	0.63		n/a	Lesotho	n/a	n/a	n/a
24	Uzbekistan	1.09	17.28	0.61	●	n/a	Lithuania	n/a	n/a	n/a
25	Poland	1.08	17.13	0.59		n/a	Luxembourg	n/a	n/a	n/a
26	Australia	1.08	17.02	0.58		n/a	Madagascar	n/a	n/a	n/a
27	Hungary	0.99	15.71	0.56		n/a	Malawi	n/a	n/a	n/a
28	Gambia	0.99	15.57	0.54	●	n/a	Mali	n/a	n/a	n/a
29	Brazil	0.90	14.20	0.53		n/a	Malta	n/a	n/a	n/a
30	Croatia	0.89	14.05	0.51		n/a	Mauritius	n/a	n/a	n/a
31	Hong Kong (China)	0.81	12.83	0.49		n/a	Montenegro	n/a	n/a	n/a
32	Serbia	0.74	11.65	0.47		n/a	Morocco	n/a	n/a	n/a
33	Rwanda (2012)	0.73	11.55	0.46		n/a	Mozambique	n/a	n/a	n/a
34	Denmark	0.64	10.11	0.44	○	n/a	Myanmar	n/a	n/a	n/a
35	Kenya	0.63	9.86	0.42		n/a	Namibia	n/a	n/a	n/a
36	Uruguay (2012)	0.60	9.44	0.41		n/a	Nepal	n/a	n/a	n/a
37	Viet Nam	0.48	7.40	0.39		n/a	Netherlands	n/a	n/a	n/a
38	Kyrgyzstan	0.44	6.81	0.37		n/a	New Zealand	n/a	n/a	n/a
39	Colombia	0.37	5.72	0.36		n/a	Nicaragua	n/a	n/a	n/a
40	Portugal	0.35	5.33	0.34	○	n/a	Niger	n/a	n/a	n/a
41	Peru	0.35	5.33	0.32		n/a	Nigeria	n/a	n/a	n/a
42	Kazakhstan	0.32	4.96	0.31		n/a	Norway	n/a	n/a	n/a
43	Mexico	0.31	4.78	0.29		n/a	Oman	n/a	n/a	n/a
44	Chile	0.22	3.33	0.27	○	n/a	Pakistan	n/a	n/a	n/a
45	Honduras	0.19	2.78	0.25		n/a	Paraguay	n/a	n/a	n/a
46	Guatemala	0.18	2.61	0.24		n/a	Qatar	n/a	n/a	n/a
47	Argentina	0.17	2.55	0.22		n/a	Saudi Arabia	n/a	n/a	n/a
48	Slovenia (2010)	0.16	2.29	0.20	○	n/a	Senegal	n/a	n/a	n/a
49	Romania	0.14	2.07	0.19	○	n/a	Seychelles	n/a	n/a	n/a
50	Burkina Faso (2010)	0.14	1.98	0.17		n/a	Singapore	n/a	n/a	n/a
51	Ecuador (2010)	0.13	1.88	0.15		n/a	South Africa	n/a	n/a	n/a
52	Botswana (2012)	0.10	1.40	0.14	○	n/a	Sri Lanka	n/a	n/a	n/a
53	Malaysia	0.10	1.39	0.12	○	n/a	Sudan	n/a	n/a	n/a
54	Indonesia	0.09	1.26	0.10		n/a	Swaziland	n/a	n/a	n/a
55	Greece	0.09	1.22	0.08	○	n/a	Sweden	n/a	n/a	n/a
56	France	0.08	1.04	0.07	○	n/a	Switzerland	n/a	n/a	n/a
57	Azerbaijan	0.07	0.89	0.05	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a
58	Costa Rica	0.04	0.49	0.03	○	n/a	TFYR of Macedonia	n/a	n/a	n/a
59	Dominican Republic	0.04	0.41	0.02	○	n/a	Togo	n/a	n/a	n/a
60	Panama	0.01	0.00	0.00	○	n/a	Trinidad and Tobago	n/a	n/a	n/a
n/a	Albania	n/a	n/a	n/a		n/a	Tunisia	n/a	n/a	n/a
n/a	Algeria	n/a	n/a	n/a		n/a	Uganda	n/a	n/a	n/a
n/a	Angola	n/a	n/a	n/a		n/a	United Arab Emirates	n/a	n/a	n/a
n/a	Bahrain	n/a	n/a	n/a		n/a	United Kingdom	n/a	n/a	n/a
n/a	Bangladesh	n/a	n/a	n/a		n/a	United States of America	n/a	n/a	n/a
n/a	Barbados	n/a	n/a	n/a		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a
n/a	Belgium	n/a	n/a	n/a		n/a	Yemen	n/a	n/a	n/a
n/a	Bhutan	n/a	n/a	n/a		n/a	Zambia	n/a	n/a	n/a
n/a	Bolivia, Plurinational St.	n/a	n/a	n/a		n/a	Zimbabwe	n/a	n/a	n/a
n/a	Bosnia and Herzegovina	n/a	n/a	n/a						
n/a	Burundi	n/a	n/a	n/a						
n/a	Cabo Verde	n/a	n/a	n/a						

SOURCE: World Intellectual Property Organization, *WIPO Statistics Database*;
International Monetary Fund *World Economic Outlook Database*, 2015 (PPP\$ GDP)

NOTE: ● indicates a strength; ○ a weakness

6.1.4 Scientific and technical publications

Number of scientific and technical journal articles (per billion PPP\$ GDP) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Iceland	65.94	100.00	1.00	●	73	Cabo Verde	8.23	12.10	0.48	
2	Denmark	63.36	96.08	0.99	●	74	Russian Federation	8.21	12.05	0.47	
3	Slovenia	59.35	89.96	0.99	●	75	Pakistan	7.78	11.40	0.47	
4	Switzerland	55.74	84.47	0.98		76	Botswana	7.74	11.34	0.46	
5	Finland	54.05	81.89	0.97		77	India	7.46	10.92	0.45	
6	Sweden	53.73	81.40	0.96	●	78	Nepal	7.35	10.75	0.45	●
7	New Zealand	51.89	78.59	0.96	●	79	Bhutan	7.34	10.74	0.44	
8	Serbia	51.56	78.10	0.95	●	80	Costa Rica	7.24	10.59	0.43	
9	Estonia	48.54	73.49	0.94	●	81	Ethiopia	6.93	10.11	0.42	
10	Australia	47.67	72.17	0.94		82	Saudi Arabia	6.92	10.09	0.42	
11	Israel	46.40	70.24	0.93		83	Tanzania, United Rep.	6.80	9.91	0.41	
12	Portugal	45.00	68.10	0.92	●	84	Togo	6.70	9.76	0.40	●
13	Netherlands	43.83	66.32	0.91		85	Thailand	6.67	9.71	0.40	
14	United Kingdom	41.46	62.70	0.91		86	Namibia	6.66	9.70	0.39	
15	Belgium	40.50	61.25	0.90		87	Niger	6.58	9.57	0.38	
16	Gambia	39.58	59.85	0.89	●	88	Ghana	6.54	9.52	0.37	
17	Canada	37.40	56.52	0.88		89	Morocco	6.35	9.23	0.37	
18	Czech Republic	35.44	53.54	0.88		90	Belarus	6.34	9.22	0.36	
19	Cyprus	35.16	53.12	0.87		91	Mongolia	6.10	8.84	0.35	
20	Croatia	34.96	52.80	0.86	●	92	Madagascar	5.70	8.23	0.35	
21	Austria	34.58	52.23	0.86		93	Jamaica	5.64	8.15	0.34	
22	Greece	33.98	51.32	0.85	●	94	Mozambique	5.53	7.98	0.33	
23	Spain	33.65	50.81	0.84		95	Mexico	5.52	7.96	0.32	
24	Norway	33.62	50.77	0.83		96	Albania	5.26	7.57	0.32	
25	Ireland	31.41	47.40	0.83		97	Colombia	5.09	7.30	0.31	
26	Korea, Rep.	29.83	45.00	0.82		98	Mali	4.87	6.97	0.30	
27	Armenia	28.54	43.03	0.81	●	99	Viet Nam	4.74	6.78	0.29	
28	Italy	27.26	41.09	0.81		100	Guyana	4.72	6.74	0.29	
29	Hungary	26.36	39.71	0.80		101	Panama	4.62	6.59	0.28	
30	Malawi	26.23	39.51	0.79	●	102	Zambia	4.57	6.52	0.27	
31	Germany	25.98	39.13	0.78		103	Mauritius	4.54	6.47	0.27	
32	France	25.73	38.75	0.78		104	Kyrgyzstan	4.44	6.31	0.26	
33	Singapore	25.70	38.71	0.77		105	Lesotho	4.35	6.19	0.25	
34	Lithuania	25.46	38.33	0.76		106	Cambodia	4.32	6.14	0.24	
35	Tunisia	25.44	38.30	0.76	●	107	Algeria	4.22	5.98	0.24	
36	Poland	24.74	37.24	0.75		108	Qatar	3.94	5.56	0.23	
37	Montenegro	21.58	32.43	0.74		109	Swaziland	3.83	5.38	0.22	
38	Slovakia	21.50	32.30	0.73		110	Oman	3.82	5.38	0.22	
39	United States of America	20.58	30.90	0.73		111	Trinidad and Tobago	3.71	5.20	0.21	
40	Iran, Islamic Rep.	19.99	30.00	0.72	●	112	Guinea	3.47	4.84	0.20	●
41	Luxembourg	19.33	29.01	0.71		113	Bolivia, Plurinational St.	3.22	4.45	0.19	
42	Romania	17.92	26.85	0.71		114	Côte d'Ivoire	3.21	4.44	0.19	
43	Fiji	17.28	25.87	0.70	●	115	Ecuador	3.01	4.14	0.18	
44	Turkey	17.18	25.72	0.69		116	Sri Lanka	2.90	3.97	0.17	○
45	Malta	17.13	25.64	0.68		117	Bangladesh	2.83	3.87	0.17	
46	Chile	16.57	24.80	0.68		118	Burundi	2.75	3.73	0.16	
47	Georgia	16.34	24.45	0.67		119	United Arab Emirates	2.70	3.67	0.15	○
48	Bulgaria	16.07	24.03	0.66		120	Azerbaijan	2.66	3.61	0.14	
49	Japan	15.65	23.39	0.65		121	Bahrain	2.65	3.59	0.14	○
50	South Africa	15.45	23.08	0.65		122	Peru	2.40	3.22	0.13	○
51	Jordan	14.92	22.28	0.64		123	Kuwait	2.36	3.14	0.12	
52	Barbados	14.17	21.14	0.63		124	Nigeria	2.08	2.72	0.12	
53	China	13.98	20.85	0.63		125	Nicaragua	2.07	2.71	0.11	
54	Malaysia	13.91	20.74	0.62		126	Tajikistan	2.06	2.69	0.10	
55	Moldova, Rep.	13.77	20.53	0.61		127	Sudan	2.05	2.67	0.09	
56	Seychelles	13.72	20.45	0.60		128	Yemen	2.04	2.65	0.09	
57	Zimbabwe	13.34	19.88	0.60	●	129	Uzbekistan	1.89	2.43	0.08	
58	Ukraine	13.24	19.72	0.59		130	Kazakhstan	1.57	1.94	0.07	○
59	Lebanon	13.13	19.55	0.58		131	Philippines	1.56	1.94	0.06	○
60	Latvia	12.83	19.09	0.58		132	Venezuela, Bolivarian Rep.	1.50	1.84	0.06	
61	Uruguay	12.65	18.82	0.57		133	Paraguay	1.03	1.12	0.05	○
62	TFYR of Macedonia	12.60	18.74	0.56		134	Guatemala	1.02	1.11	0.04	○
63	Brazil	11.82	17.55	0.55		135	Honduras	0.92	0.96	0.04	○
64	Kenya	11.49	17.06	0.55		136	El Salvador	0.88	0.90	0.03	○
65	Uganda	11.46	17.02	0.54		137	Indonesia	0.61	0.48	0.02	○
66	Cameroon	11.28	16.74	0.53	●	138	Dominican Republic	0.44	0.23	0.01	○
67	Senegal	10.65	15.78	0.53		139	Angola	0.31	0.02	0.01	○
68	Burkina Faso	9.96	14.73	0.52	●	140	Myanmar	0.29	0.00	0.00	○
69	Egypt	9.16	13.50	0.51		n/a	Hong Kong (China)	n/a	n/a	n/a	
70	Bosnia and Herzegovina	9.09	13.40	0.50							
71	Argentina	8.55	12.58	0.50							
72	Rwanda	8.38	12.33	0.49							

SOURCE: Thomson Reuters, Web of Science, SCI and SSCI; International Monetary Fund *World Economic Outlook Database*, 2015 (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	United Kingdom	934.00	100.00	0.99	●	73	Tunisia	97.00	9.12	0.49	
1	United States of America	1,518.00	100.00	0.99	●	74	Sri Lanka	96.00	9.01	0.48	
3	Germany	815.00	87.08	0.99	●	75	Latvia	94.00	8.79	0.47	
4	France	742.00	79.15	0.98	●	76	Ecuador	92.00	8.58	0.44	
5	Canada	725.00	77.31	0.97	●	76	Jordan	92.00	8.58	0.44	
6	Japan	694.00	73.94	0.96	●	76	Kuwait	92.00	8.58	0.44	
7	Italy	654.00	69.60	0.96	●	76	Luxembourg	92.00	8.58	0.44	
8	Netherlands	636.00	67.64	0.95		80	Georgia	90.00	8.36	0.44	
9	Switzerland	629.00	66.88	0.94		81	Algeria	89.00	8.25	0.42	●
10	Australia	583.00	61.89	0.94		81	Malawi	89.00	8.25	0.42	
11	Sweden	567.00	60.15	0.93		83	Serbia	86.00	7.93	0.41	
12	Spain	531.00	56.24	0.92	●	84	Gambia	85.00	7.82	0.41	
13	Belgium	502.00	53.09	0.91	●	85	Senegal	83.00	7.60	0.40	
14	Denmark	476.00	50.27	0.91		86	Ethiopia	82.00	7.49	0.39	
15	Israel	456.00	48.10	0.90		86	Ghana	82.00	7.49	0.39	
16	China	436.00	45.93	0.89		88	Zimbabwe	81.00	7.38	0.38	
17	Austria	416.00	43.76	0.89		89	Nepal	80.00	7.27	0.37	
18	Finland	407.00	42.78	0.88		90	Cameroon	78.00	7.06	0.36	
19	Korea, Rep.	375.00	39.31	0.87		91	Côte d'Ivoire	76.00	6.84	0.36	
20	Norway	362.00	37.89	0.86		92	Zambia	75.00	6.73	0.35	
21	Russian Federation	355.00	37.13	0.86	●	93	Oman	74.00	6.62	0.34	
22	Brazil	342.00	35.72	0.85	●	94	Bolivia, Plurinational St.	71.00	6.30	0.33	
23	India	341.00	35.61	0.84	●	94	Burkina Faso	71.00	6.30	0.33	
24	Poland	336.00	35.07	0.84	●	96	Malta	70.00	6.19	0.32	○
25	Hong Kong (China)	325.00	33.88	0.83		97	Moldova, Rep.	68.00	5.97	0.31	
26	New Zealand	318.00	33.12	0.82		98	TFYR of Macedonia	67.00	5.86	0.30	○
27	Singapore	308.00	32.03	0.81		98	Trinidad and Tobago	67.00	5.86	0.30	
28	Ireland	299.00	31.05	0.81		100	Jamaica	64.00	5.54	0.29	
29	Greece	295.00	30.62	0.80		101	Botswana	63.00	5.43	0.29	
30	Hungary	277.00	28.66	0.79		102	Madagascar	62.00	5.32	0.27	
31	Portugal	269.00	27.80	0.79		102	Namibia	62.00	5.32	0.27	
32	Czech Republic	268.00	27.69	0.78		104	Mongolia	61.00	5.21	0.26	
33	Mexico	261.00	26.93	0.77	●	105	Mozambique	60.00	5.10	0.25	
34	South Africa	260.00	26.82	0.76		105	Qatar	60.00	5.10	0.25	
35	Argentina	249.00	25.62	0.76	●	107	Kazakhstan	59.00	4.99	0.24	
36	Turkey	237.00	24.32	0.75		107	Mali	59.00	4.99	0.24	
37	Chile	214.00	21.82	0.74		109	Guatemala	58.00	4.89	0.21	
38	Thailand	190.00	19.22	0.74		109	Sudan	58.00	4.89	0.21	
39	Iceland	181.00	18.24	0.73		109	Uzbekistan	58.00	4.89	0.21	
40	Slovenia	172.00	17.26	0.72		112	Cambodia	57.00	4.78	0.21	
41	Slovakia	165.00	16.50	0.71		113	Barbados	55.00	4.56	0.20	○
42	Croatia	161.00	16.07	0.71		114	Nicaragua	51.00	4.13	0.19	
43	Ukraine	159.00	15.85	0.70		114	Niger	51.00	4.13	0.19	
44	Iran, Islamic Rep.	158.00	15.74	0.69	●	116	Azerbaijan	50.00	4.02	0.18	
45	Bulgaria	154.00	15.31	0.69		117	Bosnia and Herzegovina	49.00	3.91	0.17	○
46	Romania	153.00	15.20	0.68		118	Paraguay	48.00	3.80	0.16	
47	Colombia	151.00	14.98	0.67		119	Fiji	46.00	3.58	0.16	○
48	Kenya	149.00	14.77	0.66		120	Honduras	45.00	3.47	0.14	○
49	Egypt	148.00	14.66	0.65	●	120	Mauritius	45.00	3.47	0.14	○
49	Estonia	148.00	14.66	0.65		122	Bahrain	43.00	3.26	0.12	○
51	Malaysia	145.00	14.33	0.64		122	Dominican Republic	43.00	3.26	0.12	○
52	Saudi Arabia	144.00	14.22	0.64		122	Rwanda	43.00	3.26	0.12	
53	Venezuela, Bolivarian Rep.	141.00	13.90	0.63	●	125	Yemen	42.00	3.15	0.11	
54	Philippines	131.00	12.81	0.62		126	Myanmar	41.00	3.04	0.11	
55	Pakistan	130.00	12.70	0.61	●	127	Albania	40.00	2.93	0.10	○
56	Indonesia	126.00	12.27	0.60		128	Seychelles	38.00	2.71	0.09	○
56	Peru	126.00	12.27	0.60		129	Guinea	37.00	2.61	0.09	
58	Lithuania	122.00	11.83	0.59		130	El Salvador	36.00	2.50	0.08	○
58	Viet Nam	122.00	11.83	0.59		131	Kyrgyzstan	35.00	2.39	0.06	○
60	Panama	119.00	11.51	0.58		131	Swaziland	35.00	2.39	0.06	○
61	Armenia	116.00	11.18	0.57		133	Togo	33.00	2.17	0.06	
62	Costa Rica	115.00	11.07	0.56		134	Angola	28.00	1.63	0.04	
63	Belarus	114.00	10.97	0.55		134	Guyana	28.00	1.63	0.04	○
63	Uruguay	114.00	10.97	0.55		136	Burundi	26.00	1.41	0.04	
65	Bangladesh	112.00	10.75	0.54	●	137	Tajikistan	24.00	1.19	0.03	○
66	Uganda	111.00	10.64	0.54		138	Lesotho	23.00	1.09	0.01	○
67	Lebanon	109.00	10.42	0.52		138	Montenegro	23.00	1.09	0.01	○
67	Morocco	109.00	10.42	0.52		140	Bhutan	20.00	0.76	0.01	○
69	Nigeria	103.00	9.77	0.51	●	141	Cabo Verde	13.00	0.00	0.00	○
70	Tanzania, United Rep.	102.00	9.66	0.51	●						
71	Cyprus	100.00	9.45	0.49							
71	United Arab Emirates	100.00	9.45	0.49							

SOURCE: SCImago. (2007). SJR — SCImago Journal & Country Rank. Retrieved February, 2015.

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\$) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	China	7.13	100.00	1.00	●	73	Senegal	0.95	57.60	0.37	
2	Kyrgyzstan	6.55	96.01	0.99	●	74	Sudan	0.94	57.51	0.37	●
3	Sri Lanka	6.21	93.67	0.98	●	75	Pakistan	0.90	57.22	0.36	
4	Moldova, Rep.	5.35	87.75	0.97	●	76	Denmark	0.86	56.98	0.35	○
5	Ghana	5.31	87.48	0.97	●	77	Slovakia	0.85	56.92	0.34	○
6	Uzbekistan	5.31	87.48	0.96	●	78	United Kingdom	0.82	56.68	0.33	○
7	Myanmar	5.24	87.06	0.95	●	79	United States of America	0.81	56.61	0.32	○
8	Côte d'Ivoire	5.17	86.58	0.94	●	80	Brazil	0.79	56.52	0.31	
9	Cambodia	5.05	85.70	0.93	●	81	New Zealand	0.79	56.50	0.30	○
10	Philippines	4.61	82.71	0.92	●	82	Albania	0.68	55.74	0.30	
11	Armenia	4.58	82.49	0.91	●	83	Bulgaria	0.65	55.56	0.29	○
12	Tajikistan	4.45	81.61	0.90	●	84	Finland	0.56	54.91	0.28	○
13	Kazakhstan	4.15	79.57	0.90	●	85	Qatar	0.43	54.04	0.27	
14	Mozambique	3.97	78.34	0.89	●	86	Switzerland	0.43	54.00	0.26	○
15	Peru	3.93	78.01	0.88	●	87	Netherlands	0.40	53.85	0.25	○
16	Chile	3.85	77.46	0.87	●	88	Guatemala	0.40	53.81	0.24	
17	Viet Nam	3.80	77.15	0.86	●	89	Portugal	0.35	53.46	0.23	○
18	Tanzania, United Rep.	3.66	76.22	0.85	●	90	Bosnia and Herzegovina	0.34	53.43	0.23	
19	Morocco	3.61	75.83	0.84	●	91	Germany	0.30	53.14	0.22	○
20	Ethiopia	3.60	75.78	0.83	●	92	Mexico	0.28	53.03	0.21	○
21	Indonesia	3.60	75.77	0.83	●	93	Dominican Republic	0.20	52.43	0.20	
22	Nigeria	3.48	74.95	0.82	●	94	Hungary	0.19	52.39	0.19	○
23	South Africa	3.47	74.85	0.81	●	95	France	0.18	52.35	0.18	○
24	Bangladesh	3.43	74.62	0.80	●	96	Croatia	0.14	52.06	0.17	○
25	Jordan	3.40	74.40	0.79	●	97	Canada	0.12	51.90	0.17	
26	Hong Kong (China)	3.34	73.98	0.78		98	Belgium	0.02	51.22	0.16	○
27	Kenya	3.14	72.63	0.77	●	99	Italy	0.01	51.18	0.15	○
28	Bolivia, Plurinational St.	3.11	72.41	0.77	●	100	Austria	-0.02	50.97	0.14	○
29	Malaysia	2.96	71.39	0.76		101	Egypt	-0.12	50.24	0.13	
30	Burkina Faso	2.91	71.04	0.75	●	102	Luxembourg	-0.17	49.94	0.12	○
31	Azerbaijan	2.87	70.78	0.74	●	103	Iceland	-0.19	49.75	0.11	○
32	Zambia	2.86	70.69	0.73	●	104	Malta	-0.28	49.14	0.10	○
33	Georgia	2.83	70.52	0.72		105	Czech Republic	-0.37	48.56	0.10	○
34	Uruguay	2.76	70.04	0.71		106	Turkey	-0.61	46.92	0.09	○
35	Belarus	2.76	69.98	0.70		107	Madagascar	-0.64	46.70	0.08	
36	Oman	2.62	69.08	0.70		108	Greece	-0.73	46.09	0.07	○
37	Thailand	2.50	68.20	0.69		109	Venezuela, Bolivarian Rep.	-0.89	44.99	0.06	
38	India	2.42	67.69	0.68		110	Barbados	-0.99	44.30	0.05	○
39	Niger	2.38	67.39	0.67	●	111	Slovenia	-1.04	43.96	0.04	○
40	Trinidad and Tobago	2.20	66.15	0.66	●	112	Jamaica	-1.06	43.83	0.03	○
41	Colombia	2.16	65.89	0.65		113	Kuwait	-1.06	43.78	0.03	○
42	Tunisia	2.13	65.69	0.64		114	Iran, Islamic Rep.	-2.76	32.15	0.02	○
43	Angola	2.05	65.14	0.63	●	115	Zimbabwe	-3.39	27.81	0.01	○
44	Latvia	2.03	65.00	0.63		116	Cyprus	-7.45	0.00	0.00	○
45	Yemen	2.03	64.98	0.62	●	n/a	Bhutan	n/a	n/a	n/a	
46	Lithuania	1.99	64.74	0.61		n/a	Botswana	n/a	n/a	n/a	
47	Costa Rica	1.98	64.66	0.60		n/a	Burundi	n/a	n/a	n/a	
48	Ecuador	1.94	64.41	0.59	●	n/a	Cabo Verde	n/a	n/a	n/a	
49	Mali	1.84	63.67	0.58	●	n/a	El Salvador	n/a	n/a	n/a	
50	Korea, Rep.	1.74	63.05	0.57		n/a	Fiji	n/a	n/a	n/a	
51	Uganda	1.74	63.00	0.57		n/a	Gambia	n/a	n/a	n/a	
52	Malawi	1.73	62.96	0.56	●	n/a	Guinea	n/a	n/a	n/a	
53	Israel	1.69	62.67	0.55		n/a	Guyana	n/a	n/a	n/a	
54	Cameroon	1.67	62.56	0.54	●	n/a	Honduras	n/a	n/a	n/a	
55	Romania	1.67	62.52	0.53		n/a	Lebanon	n/a	n/a	n/a	
56	Russian Federation	1.65	62.38	0.52		n/a	Lesotho	n/a	n/a	n/a	
57	Algeria	1.63	62.28	0.51	●	n/a	Mauritius	n/a	n/a	n/a	
58	Spain	1.58	61.93	0.50	○	n/a	Mongolia	n/a	n/a	n/a	
59	Singapore	1.58	61.89	0.50	○	n/a	Montenegro	n/a	n/a	n/a	
60	Japan	1.55	61.68	0.49		n/a	Namibia	n/a	n/a	n/a	
61	Bahrain	1.48	61.26	0.48		n/a	Nepal	n/a	n/a	n/a	
62	Argentina	1.43	60.90	0.47		n/a	Nicaragua	n/a	n/a	n/a	
63	Norway	1.39	60.63	0.46	○	n/a	Panama	n/a	n/a	n/a	
64	Australia	1.38	60.56	0.45		n/a	Paraguay	n/a	n/a	n/a	
65	Sweden	1.35	60.36	0.44	○	n/a	Rwanda	n/a	n/a	n/a	
66	Ukraine	1.23	59.54	0.43		n/a	Serbia	n/a	n/a	n/a	
67	Poland	1.22	59.42	0.43		n/a	Seychelles	n/a	n/a	n/a	
68	Saudi Arabia	1.21	59.39	0.42		n/a	Swaziland	n/a	n/a	n/a	
69	United Arab Emirates	1.19	59.23	0.41		n/a	Togo	n/a	n/a	n/a	
70	TFYR of Macedonia	1.12	58.79	0.40							
71	Estonia	0.98	57.80	0.39	○						
72	Ireland	0.97	57.74	0.38	○						

SOURCE: The Conference Board Total Economy Database™ Output, Labor and Labor Productivity Country Details, 1950–2013, January 2014

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	●	73	Mexico	0.88	5.80	0.31	
1	Hong Kong (China)	28.12	100.00	0.97	●	74	Albania	0.88	5.79	0.30	
1	Luxembourg	20.98	100.00	0.97	●	75	Thailand	0.86	5.66	0.30	
1	New Zealand	15.07	100.00	0.97	●	76	Namibia	0.85	5.65	0.29	
5	Panama	14.10	93.57	0.96	●	77	Kenya (2008)	0.84	5.57	0.28	
6	Malta	13.61	90.31	0.95		78	Turkey	0.79	5.20	0.27	
7	Botswana	12.30	81.59	0.94	●	79	Greece (2010)	0.77	5.06	0.26	
8	Australia	12.16	80.69	0.93		80	Bosnia and Herzegovina	0.70	4.62	0.25	
9	Latvia	11.63	77.17	0.92	●	81	Azerbaijan	0.70	4.60	0.24	
10	United Kingdom	11.04	73.21	0.91		82	Nepal	0.66	4.35	0.23	
11	Montenegro (2011)	10.66	70.75	0.90	●	83	Uzbekistan	0.64	4.25	0.22	
12	Bulgaria	9.03	59.88	0.90	●	84	Bolivia, Plurinational St.	0.56	3.71	0.21	
13	Iceland	8.17	54.18	0.89		85	Algeria	0.53	3.52	0.20	
14	Singapore	8.04	53.37	0.88		86	Poland (2009)	0.53	3.49	0.19	○
15	Estonia (2007)	7.92	52.52	0.87		87	Guatemala	0.52	3.44	0.18	
16	Norway	7.83	51.92	0.86		88	Sri Lanka	0.51	3.40	0.17	○
17	Mauritius	7.40	49.06	0.85	●	89	Austria	0.50	3.28	0.16	○
18	South Africa	6.54	43.36	0.84	●	90	El Salvador	0.48	3.18	0.15	
19	Sweden	6.41	42.51	0.83		91	Argentina	0.47	3.07	0.14	
20	Chile	5.69	37.71	0.82		92	Indonesia	0.29	1.93	0.13	
21	Slovakia	5.11	33.88	0.81	●	93	Philippines	0.27	1.78	0.12	○
22	Georgia	4.86	32.25	0.80	●	94	Senegal	0.27	1.75	0.11	
23	Hungary	4.75	31.53	0.79		95	Tajikistan	0.26	1.68	0.10	
24	Lithuania	4.71	31.25	0.78		96	Guinea	0.23	1.48	0.10	
25	Ireland	4.50	29.84	0.77		97	Bhutan	0.20	1.32	0.09	
26	Netherlands	4.44	29.46	0.76		98	Burkina Faso	0.15	0.96	0.08	○
27	Slovenia	4.36	28.92	0.75		99	India	0.12	0.80	0.07	○
28	Denmark	4.36	28.90	0.74		100	Togo	0.12	0.79	0.06	
29	Russian Federation	4.30	28.53	0.73		101	Bangladesh	0.09	0.59	0.05	○
30	Romania	4.12	27.34	0.72		102	Malawi (2009)	0.08	0.53	0.04	○
31	Peru	3.83	25.39	0.71		103	Madagascar	0.05	0.32	0.03	○
32	Portugal (2010)	3.62	24.02	0.70		104	Pakistan	0.04	0.23	0.02	○
33	TFYR of Macedonia	3.60	23.90	0.70		105	Ethiopia (2009)	0.03	0.18	0.01	○
34	Costa Rica	3.55	23.52	0.69		106	Niger (2009)	0.00	0.00	0.00	○
35	Uruguay	2.98	19.77	0.68		n/a	Angola	n/a	n/a	n/a	
36	Czech Republic	2.96	19.64	0.67		n/a	Bahrain	n/a	n/a	n/a	
37	Israel	2.96	19.63	0.66		n/a	Barbados	n/a	n/a	n/a	
38	France	2.88	19.08	0.65		n/a	Burundi	n/a	n/a	n/a	
39	Croatia	2.82	18.70	0.64		n/a	Cabo Verde	n/a	n/a	n/a	
40	Spain	2.71	17.99	0.63		n/a	Cambodia	n/a	n/a	n/a	
41	Switzerland	2.53	16.79	0.62	○	n/a	Cameroon	n/a	n/a	n/a	
42	Belgium	2.48	16.43	0.61		n/a	China	n/a	n/a	n/a	
43	Finland	2.32	15.35	0.60		n/a	Côte d'Ivoire	n/a	n/a	n/a	
44	Malaysia	2.28	15.10	0.59		n/a	Ecuador	n/a	n/a	n/a	
45	Brazil	2.17	14.36	0.58		n/a	Egypt	n/a	n/a	n/a	
46	Korea, Rep.	2.03	13.44	0.57		n/a	Fiji	n/a	n/a	n/a	
47	Colombia	2.00	13.25	0.56		n/a	Gambia	n/a	n/a	n/a	
48	Italy	1.91	12.63	0.55		n/a	Guyana	n/a	n/a	n/a	
49	Oman (2009)	1.74	11.52	0.54		n/a	Honduras	n/a	n/a	n/a	
50	Qatar	1.74	11.51	0.53		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
51	Kazakhstan	1.71	11.35	0.52		n/a	Kuwait	n/a	n/a	n/a	
52	Serbia	1.68	11.10	0.51		n/a	Lebanon	n/a	n/a	n/a	
53	Moldova, Rep. (2009)	1.63	10.80	0.50		n/a	Mali	n/a	n/a	n/a	
54	Armenia	1.55	10.26	0.50		n/a	Mongolia	n/a	n/a	n/a	
55	Tunisia (2011)	1.52	10.07	0.49		n/a	Mozambique	n/a	n/a	n/a	
56	Lesotho	1.49	9.84	0.48	●	n/a	Myanmar	n/a	n/a	n/a	
57	United Arab Emirates	1.38	9.12	0.47		n/a	Nicaragua	n/a	n/a	n/a	
58	Zambia	1.36	8.99	0.46		n/a	Paraguay	n/a	n/a	n/a	
59	Germany	1.29	8.53	0.45	○	n/a	Saudi Arabia	n/a	n/a	n/a	
60	Morocco (2009)	1.26	8.33	0.44		n/a	Seychelles	n/a	n/a	n/a	
61	Uganda	1.17	7.72	0.43		n/a	Sudan	n/a	n/a	n/a	
62	Japan	1.15	7.62	0.42	○	n/a	Swaziland	n/a	n/a	n/a	
63	Belarus	1.14	7.54	0.41		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
64	Jamaica	1.11	7.37	0.40		n/a	Trinidad and Tobago	n/a	n/a	n/a	
65	Rwanda	1.07	7.10	0.39		n/a	United States of America	n/a	n/a	n/a	
66	Canada	1.07	7.09	0.38	○	n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
67	Dominican Republic	1.05	6.92	0.37		n/a	Viet Nam	n/a	n/a	n/a	
68	Jordan	0.98	6.49	0.36		n/a	Yemen	n/a	n/a	n/a	
69	Kyrgyzstan	0.92	6.10	0.35		n/a	Zimbabwe	n/a	n/a	n/a	
70	Ukraine	0.92	6.10	0.34							
71	Nigeria	0.91	5.99	0.33							
72	Ghana	0.90	5.92	0.32							

SOURCE: World Bank, *Doing Business 2014, Entrepreneurship*

NOTE: ● indicates a strength; ○ a weakness

6.2.3 Total computer software spending

Total computer software spending (% of GDP) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	United States of America	1.00	100.00	1.00	●	73	Cameroon	0.18	9.38	0.01	○
2	Switzerland	0.78	75.85	0.99	●	74	Nigeria	0.10	0.00	0.00	○
3	Canada	0.78	75.26	0.97	●	n/a	Albania	n/a	n/a	n/a	
4	Ireland	0.75	72.07	0.96		n/a	Algeria	n/a	n/a	n/a	
5	United Kingdom	0.70	66.44	0.95		n/a	Angola	n/a	n/a	n/a	
6	Belgium	0.69	65.35	0.93	●	n/a	Armenia	n/a	n/a	n/a	
7	Netherlands	0.66	62.07	0.92		n/a	Azerbaijan	n/a	n/a	n/a	
8	Turkey	0.66	62.06	0.90	●	n/a	Barbados	n/a	n/a	n/a	
9	Spain	0.65	61.47	0.89	●	n/a	Belarus	n/a	n/a	n/a	
10	Portugal	0.65	61.29	0.88		n/a	Bhutan	n/a	n/a	n/a	
11	Italy	0.62	57.37	0.86	●	n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
12	Denmark	0.61	57.31	0.85		n/a	Botswana	n/a	n/a	n/a	
13	Austria	0.61	57.21	0.84		n/a	Burkina Faso	n/a	n/a	n/a	
14	France	0.61	56.81	0.82		n/a	Burundi	n/a	n/a	n/a	
15	Sweden	0.60	55.53	0.81		n/a	Cabo Verde	n/a	n/a	n/a	
16	Greece	0.60	55.34	0.79		n/a	Cambodia	n/a	n/a	n/a	
17	Norway	0.59	54.27	0.78		n/a	Côte d'Ivoire	n/a	n/a	n/a	
18	Germany	0.58	53.03	0.77		n/a	Croatia	n/a	n/a	n/a	
19	Finland	0.58	52.96	0.75		n/a	Cyprus	n/a	n/a	n/a	
20	Malaysia	0.41	34.39	0.74		n/a	Dominican Republic	n/a	n/a	n/a	
21	Singapore	0.38	31.26	0.73		n/a	El Salvador	n/a	n/a	n/a	
22	Zimbabwe	0.38	31.17	0.71	●	n/a	Estonia	n/a	n/a	n/a	
23	China	0.38	31.17	0.70		n/a	Ethiopia	n/a	n/a	n/a	
24	Hong Kong (China)	0.37	30.26	0.68		n/a	Fiji	n/a	n/a	n/a	
25	South Africa	0.36	29.00	0.67		n/a	Gambia	n/a	n/a	n/a	
26	Thailand	0.34	27.16	0.66		n/a	Georgia	n/a	n/a	n/a	
27	Bahrain	0.34	26.24	0.64		n/a	Ghana	n/a	n/a	n/a	
28	Jamaica	0.34	26.20	0.63	●	n/a	Guatemala	n/a	n/a	n/a	
29	Saudi Arabia	0.33	25.23	0.62		n/a	Guinea	n/a	n/a	n/a	
30	Sri Lanka	0.32	24.83	0.60		n/a	Guyana	n/a	n/a	n/a	
31	Viet Nam	0.32	24.79	0.59		n/a	Iceland	n/a	n/a	n/a	
32	Korea, Rep.	0.32	24.14	0.58		n/a	Kazakhstan	n/a	n/a	n/a	
33	New Zealand	0.32	23.89	0.56		n/a	Kyrgyzstan	n/a	n/a	n/a	
34	Czech Republic	0.31	23.38	0.55		n/a	Latvia	n/a	n/a	n/a	
35	Slovakia	0.31	23.10	0.53		n/a	Lebanon	n/a	n/a	n/a	
36	Tunisia	0.31	22.98	0.52		n/a	Lesotho	n/a	n/a	n/a	
37	Romania	0.30	22.29	0.51		n/a	Lithuania	n/a	n/a	n/a	
38	Japan	0.30	22.29	0.49		n/a	Luxembourg	n/a	n/a	n/a	
39	Israel	0.30	22.06	0.48		n/a	Madagascar	n/a	n/a	n/a	
40	Bulgaria	0.29	21.51	0.47		n/a	Malawi	n/a	n/a	n/a	
41	Hungary	0.29	21.46	0.45		n/a	Mali	n/a	n/a	n/a	
42	Kuwait	0.29	21.20	0.44		n/a	Malta	n/a	n/a	n/a	
43	Jordan	0.29	21.10	0.42		n/a	Mauritius	n/a	n/a	n/a	
44	Indonesia	0.29	21.08	0.41		n/a	Moldova, Rep.	n/a	n/a	n/a	
45	Chile	0.29	20.74	0.40		n/a	Mongolia	n/a	n/a	n/a	
46	Australia	0.28	20.40	0.38	○	n/a	Montenegro	n/a	n/a	n/a	
47	Ukraine	0.28	20.26	0.37		n/a	Mozambique	n/a	n/a	n/a	
48	Costa Rica	0.28	20.21	0.36		n/a	Myanmar	n/a	n/a	n/a	
49	Brazil	0.28	20.16	0.34		n/a	Namibia	n/a	n/a	n/a	
50	Poland	0.28	19.93	0.33		n/a	Nepal	n/a	n/a	n/a	
51	Pakistan	0.28	19.60	0.32		n/a	Nicaragua	n/a	n/a	n/a	
52	Honduras	0.28	19.60	0.30		n/a	Niger	n/a	n/a	n/a	
53	Philippines	0.27	18.97	0.29		n/a	Oman	n/a	n/a	n/a	
54	Russian Federation	0.26	18.19	0.27	○	n/a	Paraguay	n/a	n/a	n/a	
55	Iran, Islamic Rep.	0.26	17.80	0.26		n/a	Rwanda	n/a	n/a	n/a	
56	Morocco	0.26	17.72	0.25		n/a	Serbia	n/a	n/a	n/a	
57	Peru	0.26	17.42	0.23		n/a	Seychelles	n/a	n/a	n/a	
58	Qatar	0.26	17.24	0.22		n/a	Slovenia	n/a	n/a	n/a	
59	United Arab Emirates	0.25	17.08	0.21	○	n/a	Sudan	n/a	n/a	n/a	
60	Senegal	0.25	16.81	0.19		n/a	Swaziland	n/a	n/a	n/a	
61	Uruguay	0.25	16.73	0.18	○	n/a	Tajikistan	n/a	n/a	n/a	
62	Panama	0.25	16.58	0.16		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
63	Bolivia, Plurinational St.	0.25	16.17	0.15		n/a	TFYR of Macedonia	n/a	n/a	n/a	
64	Colombia	0.24	15.98	0.14	○	n/a	Togo	n/a	n/a	n/a	
65	Egypt	0.24	15.86	0.12	○	n/a	Trinidad and Tobago	n/a	n/a	n/a	
66	Ecuador	0.24	15.65	0.11	○	n/a	Uganda	n/a	n/a	n/a	
67	Kenya	0.24	15.34	0.10	○	n/a	Uzbekistan	n/a	n/a	n/a	
68	India	0.23	14.74	0.08	○	n/a	Yemen	n/a	n/a	n/a	
69	Venezuela, Bolivarian Rep.	0.23	14.60	0.07		n/a	Zambia	n/a	n/a	n/a	
70	Mexico	0.23	14.01	0.05	○						
71	Argentina	0.20	10.74	0.04	○						
72	Bangladesh	0.19	9.70	0.03	○						

SOURCE: IHS Global Insight, *Information and Communication Technology Database*; International Monetary Fund *World Economic Outlook 2014* (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) | 2013

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Italy	76.43	100.00	0.99	●	73	Cabo Verde	3.44	7.01	0.49	
1	Romania	49.04	100.00	0.99	●	74	Russian Federation	3.37	6.87	0.48	
3	Bulgaria	43.14	87.97	0.99	●	75	Bolivia, Plurinational St.	3.32	6.76	0.47	
4	Czech Republic	41.72	85.07	0.98	●	76	Sri Lanka	3.29	6.70	0.46	
5	Israel	34.83	71.02	0.97	●	77	Ukraine	3.25	6.63	0.46	
6	Malta	34.28	69.90	0.96	●	78	Costa Rica	3.23	6.58	0.45	
7	Slovenia	33.95	69.23	0.96	●	79	Indonesia	3.14	6.41	0.44	
8	Hungary	30.67	62.54	0.95	●	80	Oman	3.03	6.18	0.44	
9	Croatia	30.10	61.39	0.94	●	81	Philippines	3.01	6.15	0.43	
10	Spain	28.00	57.09	0.94	●	82	Georgia	2.95	6.02	0.42	
11	Estonia	27.21	55.49	0.93	●	83	Peru	2.91	5.93	0.41	
12	Slovakia	26.37	53.77	0.92	●	84	Fiji	2.90	5.91	0.41	
13	Switzerland	26.33	53.69	0.91		85	Morocco	2.85	5.81	0.40	
14	Greece	26.23	53.49	0.91	●	86	Pakistan	2.84	5.78	0.39	
15	Portugal	25.71	52.43	0.90	●	87	Mexico	2.60	5.29	0.39	
16	Serbia	24.68	50.33	0.89	●	88	Egypt	2.34	4.78	0.38	
17	Colombia	22.19	45.26	0.89	●	89	Qatar	2.24	4.57	0.37	
18	Bosnia and Herzegovina	21.33	43.50	0.88	●	90	United States of America	2.08	4.24	0.36	○
19	China	20.84	42.49	0.87		91	Panama	2.04	4.17	0.36	
20	Latvia	19.89	40.57	0.86	●	92	Swaziland	2.03	4.15	0.35	
21	United Kingdom	18.20	37.11	0.86		93	Iran, Islamic Rep.	1.97	4.02	0.34	
22	Malaysia	17.30	35.29	0.85		94	Guatemala	1.83	3.72	0.34	
23	Germany	15.60	31.80	0.84		95	Togo	1.79	3.65	0.33	
24	Cyprus	15.45	31.50	0.84		96	Nicaragua	1.76	3.60	0.32	
25	TFYR of Macedonia	15.21	31.01	0.83	●	97	Mozambique	1.75	3.57	0.31	
26	Netherlands	14.63	29.83	0.82		98	Malawi	1.72	3.51	0.31	
27	Lithuania	14.56	29.69	0.81		99	Senegal	1.67	3.41	0.30	
28	Singapore	13.82	28.17	0.81		100	Bhutan	1.66	3.38	0.29	
29	Finland	13.01	26.53	0.80		101	Kuwait	1.65	3.37	0.29	
30	Montenegro	12.94	26.38	0.79	●	102	Azerbaijan	1.61	3.29	0.28	
31	Australia	12.48	25.46	0.79		103	Dominican Republic	1.60	3.27	0.27	
32	Uruguay	12.46	25.41	0.78	●	104	Burkina Faso	1.58	3.23	0.26	
33	Viet Nam	11.99	24.45	0.77	●	105	Saudi Arabia	1.52	3.11	0.26	○
34	Austria	11.94	24.34	0.76		106	Madagascar	1.42	2.89	0.25	
35	France	11.68	23.81	0.76		107	Namibia	1.36	2.77	0.24	
36	Poland	11.56	23.57	0.75		108	Kazakhstan	1.33	2.72	0.24	
37	Ireland	11.20	22.83	0.74		109	Trinidad and Tobago	1.25	2.55	0.23	
38	Chile	10.70	21.81	0.74		110	Venezuela, Bolivarian Rep.	1.11	2.27	0.22	
39	Sweden	10.66	21.75	0.73		111	Nepal	1.11	2.25	0.21	
40	Barbados	10.30	21.01	0.72		112	Jamaica	1.10	2.24	0.21	○
41	Mauritius	10.05	20.48	0.71		113	Côte d'Ivoire	1.04	2.13	0.20	
42	Japan	9.82	20.02	0.71		114	Algeria	1.03	2.11	0.19	
43	Lebanon	9.77	19.93	0.70		115	Gambia	0.99	2.01	0.19	
44	Thailand	9.23	18.82	0.69		116	Uganda	0.97	1.97	0.18	
45	Belgium	8.12	16.55	0.69		117	Zambia	0.82	1.68	0.17	
46	New Zealand	8.08	16.48	0.68		118	Belarus	0.78	1.59	0.16	○
47	Ecuador	7.99	16.29	0.67	●	119	Armenia	0.73	1.50	0.16	○
48	Moldova, Rep.	7.19	14.66	0.66		120	Sudan	0.69	1.40	0.15	
49	Argentina	7.14	14.55	0.66		121	Niger	0.67	1.36	0.14	
50	Tunisia	7.00	14.27	0.65		122	Mongolia	0.54	1.09	0.14	○
51	Brazil	6.89	14.05	0.64		123	Bangladesh	0.53	1.08	0.13	
52	United Arab Emirates	6.78	13.83	0.64		124	Cameroon	0.51	1.04	0.12	
53	Korea, Rep.	6.69	13.65	0.63		125	Myanmar	0.51	1.03	0.11	
54	Hong Kong (China)	6.43	13.12	0.62		126	Tanzania, United Rep.	0.48	0.98	0.11	
55	Denmark	6.27	12.79	0.61		127	Ghana	0.48	0.98	0.10	○
56	Norway	6.25	12.75	0.61		128	Guinea	0.41	0.83	0.09	
57	India	6.02	12.28	0.60		129	Yemen	0.40	0.82	0.09	
58	Albania	5.48	11.18	0.59		130	Uzbekistan	0.40	0.81	0.08	○
59	Canada	5.45	11.12	0.59		131	Cambodia	0.39	0.80	0.07	○
60	Guyana	5.35	10.91	0.58	●	132	Ethiopia	0.38	0.77	0.06	
61	Luxembourg	5.26	10.73	0.57		133	Botswana	0.38	0.77	0.06	○
62	South Africa	5.21	10.63	0.56		134	Angola	0.34	0.69	0.05	
63	Turkey	4.97	10.13	0.56		135	Kyrgyzstan	0.33	0.67	0.04	○
64	Bahrain	4.77	9.73	0.55		136	Tajikistan	0.24	0.49	0.04	○
65	Kenya	4.76	9.71	0.54		137	Lesotho	0.20	0.40	0.03	○
66	Paraguay	4.70	9.59	0.54	●	138	Rwanda	0.17	0.35	0.02	○
67	Iceland	4.65	9.48	0.53		139	Mali	0.16	0.32	0.01	○
68	Zimbabwe	4.40	8.97	0.52	●	140	Nigeria	0.09	0.18	0.01	○
69	El Salvador	4.02	8.20	0.51		141	Burundi	0.00	0.00	0.00	○
70	Seychelles	3.91	7.97	0.51							
71	Honduras	3.88	7.91	0.50							
72	Jordan	3.53	7.21	0.49							

SOURCE: International Organization for Standardization, *The ISO Survey of Certifications 2013*; International Monetary Fund World Economic Outlook, 2015 (PPP\$ GDP)

NOTE: ● indicates a strength; ○ a weakness

6.2.5 High-tech and medium high-tech output

High-tech and medium-high-tech output (% of total manufactures output) | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Singapore	69.24	100.00	1.00	●	73	Azerbaijan	10.95	15.72	0.28	
2	Switzerland (2010)	63.96	92.37	0.99	●	74	Bangladesh (2006)	10.91	15.67	0.27	
3	Ireland (2010)	57.39	82.88	0.98	●	75	Uruguay (2009)	10.90	15.65	0.26	
4	Slovakia	55.80	80.58	0.97	●	76	Ethiopia (2009)	10.87	15.61	0.25	
5	Germany	55.53	80.18	0.96	●	77	Kuwait	10.49	15.07	0.24	
6	Korea, Rep. (2010)	53.44	77.15	0.95		78	Bahrain (2010)	9.93	14.26	0.23	
7	Czech Republic (2010)	50.24	72.54	0.94	●	79	Peru	9.25	13.26	0.22	
8	Hungary	48.72	70.34	0.93	●	80	Mauritius	9.19	13.19	0.21	○
9	Slovenia	46.50	67.12	0.92	●	81	Sri Lanka (2010)	8.85	12.70	0.20	
10	Denmark	44.30	63.94	0.91		82	Malawi (2010)	8.62	12.37	0.19	
11	Thailand (2006)	43.88	63.33	0.90	●	83	Moldova, Rep.	8.29	11.88	0.18	○
12	Mexico	43.70	63.08	0.89	●	84	Kenya	7.74	11.09	0.17	
13	Japan (2010)	43.65	63.00	0.88		85	Iceland (2006)	7.13	10.21	0.16	○
14	United States of America (2008)	43.27	62.45	0.87		86	Fiji (2010)	7.12	10.19	0.15	○
15	China	43.13	62.26	0.86		87	Kazakhstan (2007)	6.84	9.79	0.14	○
16	France	43.07	62.16	0.85		88	Mongolia	5.53	7.89	0.13	○
17	United Kingdom	42.90	61.92	0.84		89	Panama (2005)	5.23	7.46	0.12	○
18	Austria	42.40	61.21	0.83		90	Cameroon (2008)	5.13	7.32	0.11	
19	Malaysia (2010)	42.00	60.62	0.82		91	Armenia	4.23	6.01	0.10	○
20	Netherlands (2010)	41.24	59.53	0.81		92	Luxembourg	3.43	4.85	0.09	○
21	Finland	40.98	59.15	0.80		93	Kyrgyzstan (2010)	3.26	4.61	0.08	
22	Brazil	39.81	57.45	0.79	●	94	Madagascar (2006)	2.42	3.39	0.07	
23	Estonia	38.21	55.14	0.78		95	Tajikistan (2008)	2.40	3.36	0.06	
24	Norway (2010)	37.88	54.66	0.77		96	Yemen (2009)	1.88	2.61	0.05	
25	Italy (2010)	37.62	54.29	0.76		97	Burundi (2010)	1.84	2.56	0.04	
26	Romania	35.96	51.89	0.75		98	Nepal (2008)	1.36	1.86	0.03	○
27	Saudi Arabia (2009)	35.85	51.73	0.74		99	Albania	1.00	1.34	0.02	○
28	Iran, Islamic Rep. (2010)	35.48	51.20	0.73	●	100	Malta (2009)	0.32	0.36	0.01	○
29	Belgium	34.96	50.45	0.72		101	Tanzania, United Rep. (2010)	0.07	0.00	0.00	○
30	Spain	34.77	50.16	0.71		n/a	Angola	n/a	n/a	n/a	
31	Poland	33.60	48.48	0.70		n/a	Argentina	n/a	n/a	n/a	
32	India (2010)	32.54	46.95	0.69		n/a	Barbados	n/a	n/a	n/a	
33	Tunisia (2007)	32.43	46.78	0.68	●	n/a	Bhutan	n/a	n/a	n/a	
34	Sweden	31.76	45.82	0.67		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
35	Belarus	31.35	45.23	0.66		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
36	Indonesia	30.88	44.54	0.65		n/a	Botswana	n/a	n/a	n/a	
37	Israel (2010)	30.76	44.36	0.64		n/a	Burkina Faso	n/a	n/a	n/a	
38	Algeria (2010)	29.07	41.93	0.63	●	n/a	Cabo Verde	n/a	n/a	n/a	
39	Canada	28.50	41.10	0.62		n/a	Cambodia	n/a	n/a	n/a	
40	Morocco	28.31	40.83	0.61		n/a	Côte d'Ivoire	n/a	n/a	n/a	
41	South Africa (2010)	28.24	40.73	0.60		n/a	Croatia	n/a	n/a	n/a	
42	Turkey (2009)	28.16	40.62	0.59		n/a	Dominican Republic	n/a	n/a	n/a	
43	Portugal	26.96	38.88	0.58		n/a	El Salvador	n/a	n/a	n/a	
44	Viet Nam (2008)	26.17	37.73	0.57		n/a	Ghana	n/a	n/a	n/a	
45	Russian Federation	25.97	37.45	0.56		n/a	Guatemala	n/a	n/a	n/a	
46	Ukraine	24.92	35.93	0.55		n/a	Guinea	n/a	n/a	n/a	
47	Jordan	24.51	35.34	0.54		n/a	Guyana	n/a	n/a	n/a	
48	Trinidad and Tobago (2006)	24.11	34.76	0.53		n/a	Honduras	n/a	n/a	n/a	
49	Pakistan (2006)	23.71	34.18	0.52	●	n/a	Jamaica	n/a	n/a	n/a	
50	Colombia	22.06	31.79	0.51		n/a	Lesotho	n/a	n/a	n/a	
51	Lebanon (2007)	22.00	31.71	0.50		n/a	Mali	n/a	n/a	n/a	
52	Chile (2008)	21.73	31.31	0.49		n/a	Montenegro	n/a	n/a	n/a	
53	Egypt (2010)	21.45	30.91	0.48		n/a	Mozambique	n/a	n/a	n/a	
54	Qatar (2010)	20.78	29.94	0.47		n/a	Myanmar	n/a	n/a	n/a	
55	Lithuania	20.64	29.74	0.46		n/a	Namibia	n/a	n/a	n/a	
56	Australia	20.36	29.34	0.45		n/a	Nicaragua	n/a	n/a	n/a	
57	Serbia	19.71	28.39	0.44		n/a	Niger	n/a	n/a	n/a	
58	TFYR of Macedonia	19.58	28.21	0.43		n/a	Nigeria	n/a	n/a	n/a	
59	Hong Kong (China)	19.43	27.99	0.42	○	n/a	Rwanda	n/a	n/a	n/a	
60	Bulgaria	18.88	27.19	0.41		n/a	Seychelles	n/a	n/a	n/a	
61	Gambia (2004)	16.81	24.20	0.40		n/a	Sudan	n/a	n/a	n/a	
62	Philippines (2008)	16.28	23.44	0.39		n/a	Swaziland	n/a	n/a	n/a	
63	Senegal (2010)	15.28	21.99	0.38		n/a	Togo	n/a	n/a	n/a	
64	Paraguay (2010)	15.11	21.75	0.37		n/a	Uganda	n/a	n/a	n/a	
65	Oman (2010)	14.87	21.40	0.36		n/a	United Arab Emirates	n/a	n/a	n/a	
66	New Zealand (2010)	14.80	21.29	0.35	○	n/a	Uzbekistan	n/a	n/a	n/a	
67	Latvia	14.11	20.30	0.34	○	n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Greece (2007)	14.08	20.25	0.33		n/a	Zambia	n/a	n/a	n/a	
69	Ecuador (2008)	13.96	20.08	0.32		n/a	Zimbabwe	n/a	n/a	n/a	
70	Cyprus	13.39	19.26	0.31							
71	Georgia	12.92	18.58	0.30							
72	Costa Rica	11.92	17.13	0.29							

SOURCE: United Nations Industrial Development Organization *Industrial Statistics Database* INDSTAT4 2012; OECD 'ISIC REV. 3 Tech. Intensity Def.' (2004–11)

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	Switzerland (2012)	7.15	100.00	1.00	●	73	Portugal	0.04	8.39	0.37	○
2	Netherlands	5.31	93.11	0.99	●	74	Malaysia	0.04	8.17	0.36	○
3	United States of America	5.13	92.36	0.98	●	75	Georgia	0.04	7.92	0.35	
4	Finland	3.55	83.91	0.97		76	China	0.04	7.58	0.34	
5	Japan	3.53	83.82	0.96	●	77	Mozambique (2012)	0.04	7.39	0.33	
6	Paraguay (2008)	3.09	80.75	0.96	●	78	Montenegro	0.03	6.43	0.32	
7	Sweden	2.60	76.85	0.95		79	Zimbabwe (2012)	0.03	5.37	0.32	
8	Ireland	2.53	76.25	0.94		80	Indonesia	0.02	5.01	0.31	
9	Rwanda (2011)	2.02	71.23	0.93	●	81	Peru (2012)	0.02	4.81	0.30	
10	Iceland (2012)	1.72	67.63	0.92		82	Cambodia	0.02	4.72	0.29	
11	United Kingdom	1.65	66.75	0.91		83	Angola (2008)	0.02	4.71	0.28	●
12	France	1.43	63.62	0.90	●	84	Sudan (2011)	0.02	4.70	0.27	●
13	Denmark	1.38	62.84	0.89		85	Costa Rica	0.02	4.55	0.26	
14	Israel (2012)	1.07	57.23	0.89		86	Albania	0.02	4.41	0.25	
15	Germany	1.06	57.19	0.88		87	Burkina Faso (2012)	0.02	4.32	0.25	
16	Hungary	1.00	55.95	0.87	●	88	Pakistan	0.02	3.34	0.24	
17	Luxembourg	0.87	52.93	0.86		89	Tajikistan (2012)	0.01	3.13	0.23	
18	Belgium	0.77	50.29	0.85		90	Cyprus	0.01	3.06	0.22	○
19	Canada	0.67	47.47	0.84		91	Mongolia	0.01	3.04	0.21	
20	Italy	0.65	46.87	0.83		92	Iran, Islamic Rep. (2012)	0.01	2.59	0.20	
21	Korea, Rep.	0.63	46.34	0.82		93	Mali (2011)	0.01	2.54	0.19	
22	New Zealand	0.59	44.98	0.82		94	Guinea (2008)	0.01	1.38	0.18	
23	Mexico	0.57	44.11	0.81	●	95	Lebanon (2012)	0.01	1.11	0.18	○
24	Austria	0.46	40.19	0.80		96	Slovakia	0.00	1.08	0.17	○
25	Yemen (2009)	0.40	37.27	0.79	●	97	Algeria (2012)	0.00	0.92	0.16	
26	Singapore	0.38	36.57	0.78		98	Philippines	0.00	0.91	0.15	
27	El Salvador	0.34	34.50	0.77	●	99	Ethiopia (2010)	0.00	0.77	0.14	
28	Guyana	0.28	30.84	0.76	●	100	Uruguay	0.00	0.67	0.13	○
29	Egypt (2007)	0.25	29.27	0.75	●	101	Morocco	0.00	0.59	0.12	○
30	Norway	0.25	29.12	0.75		102	Cameroon (2012)	0.00	0.55	0.11	
31	Madagascar (2012)	0.25	29.09	0.74	●	103	Fiji (2012)	0.00	0.49	0.11	○
32	Australia	0.23	27.99	0.73		104	Trinidad and Tobago (2011)	0.00	0.49	0.10	○
33	Kenya (2012)	0.23	27.80	0.72		105	Bhutan	0.00	0.48	0.09	
34	Uganda	0.22	27.14	0.71	●	106	Botswana (2012)	0.00	0.46	0.08	○
35	Malta	0.22	27.13	0.70		107	Côte d'Ivoire (2009)	0.00	0.26	0.07	○
36	Spain	0.22	26.86	0.69		108	Burundi (2012)	0.00	0.16	0.06	
37	Serbia	0.21	26.04	0.68		109	Togo (2010)	0.00	0.16	0.05	
38	Brazil	0.20	25.36	0.68		110	Bangladesh (2012)	0.00	0.15	0.04	○
39	Bosnia and Herzegovina	0.20	25.34	0.67		111	Kazakhstan	0.00	0.06	0.04	○
40	Ukraine	0.18	23.97	0.66		112	Namibia (2011)	0.00	0.02	0.03	○
41	Czech Republic	0.16	22.51	0.65		113	Niger (2007)	0.00	0.02	0.02	○
42	Barbados (2010)	0.16	22.44	0.64		114	Azerbaijan (2012)	0.00	0.00	0.01	○
43	Slovenia	0.16	22.42	0.63		115	Cabo Verde (2012)	0.00	0.00	0.00	○
44	Seychelles (2012)	0.15	21.55	0.62		n/a	Armenia	n/a	n/a	n/a	
45	Romania	0.15	21.49	0.61		n/a	Bahrain	n/a	n/a	n/a	
46	Russian Federation	0.14	20.14	0.61		n/a	Dominican Republic	n/a	n/a	n/a	
47	TFYR of Macedonia	0.13	19.62	0.60		n/a	Ecuador	n/a	n/a	n/a	
48	Argentina	0.13	19.60	0.59		n/a	Gambia	n/a	n/a	n/a	
49	Poland	0.13	19.40	0.58		n/a	Ghana	n/a	n/a	n/a	
50	Moldova, Rep.	0.12	18.68	0.57		n/a	Honduras	n/a	n/a	n/a	
51	Latvia	0.10	16.34	0.56		n/a	Jordan	n/a	n/a	n/a	
52	Croatia	0.10	16.21	0.55		n/a	Kuwait	n/a	n/a	n/a	
53	Colombia	0.10	15.91	0.54		n/a	Lesotho	n/a	n/a	n/a	
54	Guatemala	0.10	15.81	0.54		n/a	Malawi	n/a	n/a	n/a	
55	Tunisia (2012)	0.10	15.59	0.53		n/a	Myanmar	n/a	n/a	n/a	
56	Hong Kong (China) (2012)	0.09	15.15	0.52		n/a	Nepal	n/a	n/a	n/a	
57	India	0.09	14.50	0.51		n/a	Nicaragua	n/a	n/a	n/a	
58	Chile	0.09	14.37	0.50		n/a	Nigeria	n/a	n/a	n/a	
59	Jamaica	0.08	14.03	0.49		n/a	Oman	n/a	n/a	n/a	
60	Greece	0.08	13.92	0.48		n/a	Qatar	n/a	n/a	n/a	
61	Thailand	0.08	13.55	0.47		n/a	Saudi Arabia	n/a	n/a	n/a	
62	Bolivia, Plurinational St. (2012)	0.08	13.35	0.46		n/a	Sri Lanka	n/a	n/a	n/a	
63	Bulgaria	0.07	12.57	0.46		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
64	Senegal (2012)	0.06	11.31	0.45		n/a	Turkey	n/a	n/a	n/a	
65	Belarus	0.06	10.97	0.44		n/a	United Arab Emirates	n/a	n/a	n/a	
66	Lithuania	0.06	10.92	0.43		n/a	Uzbekistan	n/a	n/a	n/a	
67	Swaziland (2012)	0.06	10.69	0.42		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Kyrgyzstan (2012)	0.06	10.43	0.41		n/a	Viet Nam	n/a	n/a	n/a	
69	South Africa	0.06	10.16	0.40		n/a	Zambia	n/a	n/a	n/a	
70	Estonia	0.05	9.69	0.39	○						
71	Mauritius	0.05	8.64	0.39							
72	Panama	0.04	8.58	0.38							

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

NOTE: ● indicates a strength; ○ a weakness

6.3.2 High-tech exports

High-tech net exports (% of total trade) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	China	28.37	100.00	0.98	●	73	Zambia	0.58	2.46	0.44	
1	Malaysia	27.82	100.00	0.98	●	74	Kenya	0.56	2.38	0.43	
1	Singapore	26.81	100.00	0.98	●	75	Iran, Islamic Rep.	0.53	2.26	0.42	
1	Viet Nam	23.58	100.00	0.98	●	76	Paraguay	0.48	2.04	0.41	
5	Korea, Rep.	22.08	93.66	0.97		77	Tanzania, United Rep.	0.46	1.94	0.41	
6	Panama (2011)	18.36	77.87	0.96	●	78	Jordan	0.43	1.83	0.40	
7	Switzerland	17.06	72.36	0.95		79	Peru	0.41	1.76	0.39	
8	Costa Rica	16.77	71.12	0.95	●	80	Zimbabwe	0.41	1.74	0.38	
9	Czech Republic	16.29	69.10	0.94	●	81	Sri Lanka	0.40	1.68	0.38	
10	Mexico	14.42	61.15	0.93	●	82	Bolivia, Plurinational St.	0.38	1.60	0.37	
11	Hungary	14.34	60.81	0.92	●	83	Mongolia	0.36	1.53	0.36	
12	France	14.27	60.52	0.91	●	84	Honduras	0.36	1.52	0.35	
13	Netherlands	13.26	56.22	0.91		85	Moldova, Rep.	0.34	1.45	0.34	
14	Thailand	13.18	55.92	0.90	●	86	Botswana	0.32	1.37	0.34	
15	Israel	12.62	53.52	0.89		87	Ghana	0.32	1.36	0.33	
16	Japan	12.40	52.58	0.88		88	Oman	0.32	1.34	0.32	
17	Germany	11.99	50.87	0.88		89	Montenegro	0.29	1.22	0.31	
18	Malta	11.80	50.03	0.87		90	Georgia	0.29	1.22	0.30	
19	Estonia	11.56	49.01	0.86		91	Ecuador	0.27	1.15	0.30	
20	Ireland	11.27	47.81	0.85		92	Azerbaijan	0.27	1.13	0.29	
21	Belgium	10.00	42.43	0.84		93	Armenia	0.23	0.99	0.28	
22	Sweden	9.43	40.01	0.84		94	Albania	0.19	0.82	0.27	
23	United Kingdom	9.38	39.79	0.83		95	Burundi	0.16	0.67	0.27	
24	Austria	9.01	38.23	0.82		96	Niger	0.15	0.63	0.26	
25	Slovakia	8.98	38.10	0.81	●	97	Senegal	0.15	0.62	0.25	
26	United States of America	6.78	28.74	0.80		98	Kyrgyzstan	0.15	0.62	0.24	
27	Denmark	5.89	24.99	0.80		99	Uganda	0.15	0.62	0.23	
28	Latvia	5.83	24.74	0.79		100	Lebanon	0.14	0.61	0.23	
29	Canada	5.75	24.39	0.78		101	Rwanda	0.14	0.61	0.22	
30	Poland	5.63	23.88	0.77		102	Bangladesh	0.14	0.59	0.21	
31	Italy	5.26	22.31	0.77		103	Egypt	0.13	0.56	0.20	
32	Lithuania	4.79	20.33	0.76		104	Nicaragua	0.11	0.49	0.20	
33	Slovenia	4.56	19.33	0.75		105	Kuwait	0.11	0.47	0.19	
34	Romania	4.49	19.03	0.74		106	Hong Kong (China)	0.11	0.47	0.18	○
35	Finland	4.47	18.97	0.73		107	Mali	0.11	0.46	0.17	
36	Kazakhstan	4.15	17.60	0.73		108	Nigeria	0.11	0.46	0.16	
37	Croatia	4.08	17.29	0.72		109	Fiji	0.11	0.45	0.16	○
38	Spain	3.88	16.45	0.71		110	Burkina Faso	0.10	0.43	0.15	
39	India	3.48	14.78	0.70	●	111	Saudi Arabia	0.10	0.41	0.14	○
40	Tunisia	3.34	14.17	0.70	●	112	Ethiopia	0.09	0.40	0.13	
41	Norway	3.20	13.56	0.69		113	Mauritius	0.09	0.39	0.13	○
42	Bulgaria	3.13	13.27	0.68		114	United Arab Emirates	0.09	0.38	0.12	○
43	Indonesia	3.11	13.21	0.67		115	Jamaica	0.07	0.31	0.11	○
44	Brazil	3.01	12.75	0.66		116	Madagascar	0.06	0.26	0.10	
45	Argentina	2.65	11.23	0.66		117	Sudan	0.05	0.19	0.09	
46	El Salvador	2.63	11.15	0.65	●	118	Togo	0.04	0.17	0.09	
47	Ukraine	2.42	10.25	0.64		119	Nepal	0.04	0.17	0.08	○
48	Portugal	2.39	10.13	0.63		120	Trinidad and Tobago	0.03	0.14	0.07	○
49	South Africa	2.31	9.78	0.63		121	Yemen	0.02	0.10	0.06	
50	Serbia	2.03	8.63	0.62		122	Gambia	0.02	0.06	0.05	○
51	TFYR of Macedonia	1.91	8.10	0.61		123	Bahrain	0.01	0.04	0.05	○
52	Belarus	1.75	7.43	0.60		124	Bhutan	0.01	0.03	0.04	○
53	Russian Federation	1.72	7.31	0.59		125	Cabo Verde	0.01	0.03	0.03	○
54	Australia	1.71	7.24	0.59		126	Algeria	0.00	0.02	0.02	○
55	New Zealand	1.48	6.29	0.58		127	Guyana	0.00	0.01	0.02	○
56	Greece	1.42	6.00	0.57		128	Myanmar	0.00	0.00	0.01	○
57	Uruguay	1.38	5.84	0.56		129	Qatar	0.00	0.00	0.00	○
58	Guatemala	1.36	5.75	0.55		n/a	Angola	n/a	n/a	n/a	
59	Iceland	1.21	5.14	0.55		n/a	Barbados	n/a	n/a	n/a	
60	Colombia	1.15	4.90	0.54		n/a	Cameroon	n/a	n/a	n/a	
61	Dominican Republic	1.14	4.83	0.53		n/a	Guinea	n/a	n/a	n/a	
62	Namibia	1.14	4.81	0.52		n/a	Lesotho	n/a	n/a	n/a	
63	Turkey	1.11	4.71	0.52		n/a	Morocco	n/a	n/a	n/a	
64	Malawi	1.03	4.39	0.51		n/a	Philippines	n/a	n/a	n/a	
65	Luxembourg	0.95	4.03	0.50		n/a	Seychelles	n/a	n/a	n/a	
66	Bosnia and Herzegovina	0.93	3.93	0.49		n/a	Swaziland	n/a	n/a	n/a	
67	Pakistan	0.93	3.92	0.48		n/a	Tajikistan	n/a	n/a	n/a	
68	Côte d'Ivoire	0.87	3.68	0.48	●	n/a	Uzbekistan	n/a	n/a	n/a	
69	Mozambique	0.83	3.54	0.47	●	n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
70	Cambodia	0.74	3.13	0.46							
71	Chile	0.68	2.87	0.45							
72	Cyprus	0.61	2.57	0.45							

SOURCE: United Nations, COMTRADE database; Eurostat 'High-technology' aggregations based on SITC Rev. 4; WTO Trade in Commercial Services database

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	11.12	100.00	0.97	●	73	Malawi (2012)	1.24	19.80	0.39	
1	Gambia (2009)	5.99	100.00	0.97	●	74	Cyprus	1.22	19.46	0.38	
1	India	10.12	100.00	0.97	●	75	Malaysia	1.18	18.93	0.37	
1	Ireland	25.08	100.00	0.97	●	76	New Zealand	1.15	18.37	0.36	○
5	Finland	5.96	99.62	0.97		77	Bolivia, Plurinational St. (2012)	1.05	16.61	0.36	
6	Israel (2012)	4.95	82.42	0.96	●	78	Rwanda (2012)	0.96	15.14	0.35	
7	Luxembourg	4.73	78.81	0.95		79	Australia	0.95	14.95	0.34	○
8	Sweden	4.69	78.14	0.94		80	Côte d'Ivoire (2010)	0.91	14.31	0.33	
9	Senegal (2012)	4.61	76.76	0.93	●	81	Fiji (2012)	0.90	14.22	0.32	
10	Philippines	4.56	75.96	0.92	●	82	Russian Federation	0.82	12.71	0.31	
11	Moldova, Rep.	4.06	67.54	0.92	●	83	Jamaica	0.78	12.17	0.31	
12	Sri Lanka	3.94	65.45	0.91	●	84	Slovakia	0.77	12.03	0.30	○
13	Togo (2008)	3.80	63.11	0.90	●	85	Cambodia	0.75	11.60	0.29	
14	United Kingdom	3.46	57.34	0.89		86	China	0.74	11.44	0.28	
15	Kenya (2012)	3.39	56.17	0.88	●	87	Georgia	0.71	10.94	0.27	
16	Albania	3.35	55.56	0.87	●	88	Niger (2009)	0.71	10.88	0.26	
17	Mali (2008)	3.34	55.37	0.86	●	89	Guyana	0.70	10.75	0.25	
18	Romania	3.31	54.85	0.86	●	90	Singapore (2008)	0.65	9.98	0.25	○
19	Cabo Verde	2.86	47.19	0.85	●	91	Lithuania	0.58	8.77	0.24	○
20	Austria	2.78	45.95	0.84		92	Indonesia	0.50	7.39	0.23	
21	Armenia	2.76	45.62	0.83	●	93	Hong Kong (China) (2012)	0.49	7.24	0.22	○
22	Serbia	2.73	45.11	0.82	●	94	Zambia (2008)	0.45	6.52	0.21	
23	Morocco (2012)	2.69	44.30	0.81	●	95	Mozambique (2012)	0.44	6.44	0.20	
24	Belgium	2.67	43.98	0.81		96	Tanzania, United Rep. (2012)	0.44	6.38	0.19	
25	Estonia	2.63	43.34	0.80		97	Kyrgyzstan	0.43	6.29	0.19	
26	Tajikistan (2012)	2.63	43.33	0.79	●	98	South Africa	0.43	6.17	0.18	○
27	Mauritius	2.62	43.22	0.78		99	Azerbaijan	0.42	6.01	0.17	
28	TFYR of Macedonia	2.55	41.95	0.77	●	100	Colombia	0.42	5.97	0.16	○
29	Nicaragua	2.41	39.66	0.76	●	101	Chile (2012)	0.40	5.78	0.15	○
30	Honduras	2.31	37.97	0.75	●	102	Peru (2012)	0.39	5.51	0.14	○
31	Burkina Faso (2012)	2.29	37.67	0.75	●	103	Algeria (2012)	0.39	5.46	0.14	
32	Spain	2.26	37.13	0.74		104	Swaziland (2012)	0.36	5.07	0.13	
33	Guatemala	2.26	37.07	0.73	●	105	Japan	0.30	4.08	0.12	○
34	Pakistan	2.25	36.97	0.72	●	106	Korea, Rep.	0.28	3.73	0.11	○
35	Germany	2.18	35.72	0.71		107	Lesotho (2011)	0.27	3.45	0.10	
36	Ukraine	2.16	35.45	0.70		108	Sudan (2012)	0.26	3.30	0.09	
37	Latvia	2.14	35.02	0.69		109	Brazil	0.25	3.22	0.08	○
38	Bulgaria	2.05	33.61	0.69		110	Mongolia	0.20	2.39	0.08	○
39	Montenegro	2.04	33.33	0.68		111	Kazakhstan	0.20	2.37	0.07	○
40	Netherlands	2.01	32.96	0.67		112	Thailand	0.19	2.20	0.06	○
41	Croatia	1.96	32.05	0.66		113	Venezuela, Bolivarian Rep. (2012)	0.18	1.91	0.05	
42	Guinea (2012)	1.96	32.05	0.65	●	114	Iran, Islamic Rep. (2012)	0.17	1.85	0.04	○
43	Argentina	1.94	31.74	0.64		115	Turkey	0.17	1.78	0.03	○
44	France	1.88	30.68	0.64		116	Namibia	0.16	1.68	0.03	○
45	Egypt (2012)	1.87	30.47	0.63	●	117	Paraguay	0.10	0.61	0.02	○
46	Denmark	1.82	29.60	0.62		118	Botswana (2012)	0.10	0.60	0.01	○
47	Barbados (2010)	1.81	29.47	0.61		119	Trinidad and Tobago (2011)	0.06	0.00	0.00	○
48	Slovenia	1.75	28.51	0.60		n/a	Angola	n/a	n/a	n/a	
49	El Salvador	1.74	28.25	0.59		n/a	Bahrain	n/a	n/a	n/a	
50	Uganda	1.73	28.23	0.58		n/a	Bhutan	n/a	n/a	n/a	
51	Czech Republic	1.72	28.02	0.58		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
52	Canada	1.71	27.75	0.57	○	n/a	Burundi	n/a	n/a	n/a	
53	Madagascar (2012)	1.69	27.55	0.56		n/a	Ecuador	n/a	n/a	n/a	
54	Belarus	1.67	27.17	0.55		n/a	Ghana	n/a	n/a	n/a	
55	Ethiopia (2012)	1.66	26.91	0.54	●	n/a	Jordan	n/a	n/a	n/a	
56	Tunisia (2012)	1.58	25.60	0.53		n/a	Kuwait	n/a	n/a	n/a	
57	Greece	1.55	25.12	0.53		n/a	Mexico	n/a	n/a	n/a	
58	Italy	1.55	25.11	0.52		n/a	Myanmar	n/a	n/a	n/a	
59	Uruguay	1.53	24.70	0.51		n/a	Nepal	n/a	n/a	n/a	
60	Portugal	1.52	24.57	0.50		n/a	Nigeria	n/a	n/a	n/a	
61	Norway	1.52	24.53	0.49	○	n/a	Oman	n/a	n/a	n/a	
62	Seychelles (2006)	1.45	23.36	0.48		n/a	Qatar	n/a	n/a	n/a	
63	Poland	1.44	23.32	0.47		n/a	Saudi Arabia	n/a	n/a	n/a	
64	Hungary	1.41	22.72	0.47		n/a	Switzerland	n/a	n/a	n/a	
65	Dominican Republic (2012)	1.34	21.57	0.46		n/a	United Arab Emirates	n/a	n/a	n/a	
66	Lebanon (2012)	1.33	21.47	0.45		n/a	Uzbekistan	n/a	n/a	n/a	
67	United States of America	1.33	21.33	0.44		n/a	Viet Nam	n/a	n/a	n/a	
68	Panama	1.31	21.03	0.43		n/a	Yemen	n/a	n/a	n/a	
69	Bangladesh (2012)	1.30	20.87	0.42		n/a	Zimbabwe	n/a	n/a	n/a	
70	Malta	1.28	20.58	0.42							
71	Cameroon (2012)	1.25	19.98	0.41							
72	Iceland (2012)	1.24	19.81	0.40	○						

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

NOTE: ● indicates a strength; ○ a weakness

6.3.4 Foreign direct investment net outflows

Foreign direct investment (FDI), net outflows (% of GDP) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	33.40	100.00	0.97	●	73	Mongolia	0.36	37.49	0.41	
1	Ireland	16.20	100.00	0.97	●	74	Nigeria (2012)	0.33	37.29	0.40	
1	Luxembourg	610.05	100.00	0.97	●	75	Senegal (2011)	0.33	37.26	0.39	
1	Mauritius	210.16	100.00	0.97	●	76	Cambodia	0.30	37.08	0.39	
1	Singapore	9.05	100.00	0.97	●	77	Uganda	0.28	36.92	0.38	
6	Switzerland	8.28	94.44	0.96		78	United Kingdom	0.26	36.80	0.37	○
7	Barbados (2010)	7.66	90.03	0.95	●	79	El Salvador	0.25	36.67	0.36	
8	Kuwait	5.50	74.46	0.94	●	80	Ukraine	0.24	36.64	0.35	
9	Netherlands	4.90	70.14	0.93		81	Albania	0.22	36.47	0.34	
10	Angola	4.87	69.91	0.93	●	82	Namibia	0.20	36.31	0.34	
11	Trinidad and Tobago (2011)	4.48	67.11	0.92	●	83	Honduras	0.19	36.28	0.33	
12	Malaysia	4.15	64.76	0.91		84	Argentina	0.18	36.19	0.32	
13	Russian Federation	4.14	64.65	0.90	●	85	Armenia	0.18	36.19	0.31	
14	Iceland	4.07	64.18	0.89		86	Côte d'Ivoire (2010)	0.18	36.17	0.30	
15	Qatar	3.95	63.29	0.89		87	Guatemala	0.14	35.90	0.30	
16	Chile	3.94	63.24	0.88	●	88	Bosnia and Herzegovina	0.13	35.80	0.29	
17	Austria	3.84	62.49	0.87		89	Fiji	0.12	35.77	0.28	
18	Sweden	3.49	60.04	0.86		90	Pakistan	0.10	35.63	0.27	
19	Mozambique	3.34	58.93	0.85	●	91	Sri Lanka	0.10	35.60	0.26	
20	Denmark	3.23	58.11	0.84		92	India	0.09	35.58	0.25	
21	Bahrain	3.20	57.91	0.84	●	93	Egypt (2012)	0.08	35.48	0.25	
22	Malta	2.77	54.85	0.83		94	Peru	0.07	35.39	0.24	
23	Japan	2.77	54.85	0.82		95	Jordan	0.05	35.24	0.23	○
24	Portugal	2.70	54.32	0.81		96	Mali (2011)	0.04	35.20	0.22	
25	Lebanon	2.69	54.26	0.80	●	97	Uruguay	0.04	35.15	0.21	
26	Canada	2.49	52.82	0.80		98	Kenya (2012)	0.03	35.13	0.20	
27	United States of America	2.43	52.41	0.79		99	Swaziland	0.01	34.96	0.20	
28	Togo (2010)	2.40	52.20	0.78	●	100	Burkina Faso (2010)	0.01	34.95	0.19	
29	Spain	2.29	51.40	0.77		101	Burundi	0.01	34.94	0.18	
30	Norway	2.25	51.11	0.76		102	Niger (2012)	0.01	34.94	0.17	
31	Korea, Rep.	2.24	50.98	0.75		103	Bangladesh	0.00	34.92	0.16	
32	Germany	2.17	50.51	0.75		104	Ghana	0.00	34.91	0.16	
33	Colombia	2.02	49.44	0.74		105	Bolivia, Plurinational St. (2011)	0.00	34.91	0.15	○
34	Azerbaijan	2.01	49.35	0.73	●	106	Kyrgyzstan	0.00	34.90	0.14	
35	Cyprus	1.78	47.68	0.72		107	Guinea	0.00	34.89	0.13	
36	China	1.76	47.58	0.71		108	Botswana	0.00	34.87	0.12	○
37	Thailand	1.74	47.41	0.70		109	France	-0.01	34.80	0.11	○
38	Oman	1.74	47.39	0.70		110	Romania	-0.03	34.66	0.11	○
39	Costa Rica	1.63	46.65	0.69		111	Finland	-0.10	34.19	0.10	○
40	Israel	1.61	46.46	0.68		112	Paraguay	-0.13	34.00	0.09	
41	Panama	1.60	46.38	0.67		113	Algeria	-0.13	33.97	0.08	
42	Czech Republic	1.58	46.28	0.66		114	Australia	-0.27	32.95	0.07	○
43	South Africa	1.58	46.27	0.66		115	Greece	-0.29	32.83	0.07	○
44	Estonia	1.47	45.45	0.65		116	Croatia	-0.31	32.66	0.06	○
45	Philippines	1.40	44.98	0.64		117	Jamaica	-0.60	30.55	0.05	○
46	Latvia	1.33	44.48	0.63		118	Dominican Republic	-0.64	30.31	0.04	○
47	Italy	1.33	44.48	0.62		119	Poland	-0.82	29.04	0.03	○
48	Malawi (2012)	1.17	43.35	0.61	●	120	New Zealand	-0.85	28.77	0.02	○
49	Bulgaria	1.17	43.29	0.61		121	Cameroon	-1.28	25.67	0.02	○
50	Viet Nam	1.14	43.11	0.60		122	Hungary	-2.59	16.28	0.01	○
51	Slovakia	1.13	43.04	0.59		123	Belgium	-4.85	0.00	0.00	○
52	Indonesia	1.11	42.87	0.58		n/a	Bhutan	n/a	n/a	n/a	
53	Mexico	1.05	42.43	0.57		n/a	Ecuador	n/a	n/a	n/a	
54	Nicaragua	0.92	41.55	0.57	●	n/a	Ethiopia	n/a	n/a	n/a	
55	Kazakhstan	0.84	40.94	0.56		n/a	Gambia	n/a	n/a	n/a	
56	Serbia	0.75	40.30	0.55		n/a	Guyana	n/a	n/a	n/a	
57	Georgia	0.75	40.26	0.54		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
58	Lesotho	0.74	40.19	0.53	●	n/a	Madagascar	n/a	n/a	n/a	
59	Cabo Verde	0.68	39.76	0.52	●	n/a	Myanmar	n/a	n/a	n/a	
60	Zambia	0.67	39.74	0.52		n/a	Nepal	n/a	n/a	n/a	
61	Saudi Arabia	0.66	39.65	0.51		n/a	Rwanda	n/a	n/a	n/a	
62	Slovenia	0.62	39.35	0.50		n/a	Sudan	n/a	n/a	n/a	
63	Lithuania	0.61	39.30	0.49		n/a	Tajikistan	n/a	n/a	n/a	
64	Brazil	0.59	39.18	0.48		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
65	Seychelles	0.55	38.85	0.48		n/a	Tunisia	n/a	n/a	n/a	
66	Moldova, Rep.	0.52	38.66	0.47		n/a	United Arab Emirates	n/a	n/a	n/a	
67	Morocco	0.43	37.98	0.46		n/a	Uzbekistan	n/a	n/a	n/a	
68	Montenegro	0.40	37.78	0.45		n/a	Yemen	n/a	n/a	n/a	
69	TFYR of Macedonia	0.39	37.73	0.44		n/a	Zimbabwe	n/a	n/a	n/a	
70	Turkey	0.38	37.62	0.43							
71	Venezuela, Bolivarian Rep. (2012)	0.38	37.62	0.43							
72	Belarus	0.37	37.53	0.42							

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

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.	176.73	100.00	0.99	●	73	Jordan	27.76	14.41	0.29	
1	Paraguay (2010)	296.27	100.00	0.99	●	74	Sri Lanka	27.47	14.24	0.28	
3	Mongolia	135.17	76.12	0.98	●	75	India	27.00	13.98	0.27	
4	Malta	132.50	74.59	0.97	●	76	Philippines	26.03	13.42	0.26	
5	Turkey	130.49	73.43	0.96	●	77	Azerbaijan	22.43	11.35	0.25	
6	Luxembourg	122.36	68.76	0.95		78	Venezuela, Bolivarian Rep. (2011)	22.12	11.17	0.25	
7	France	120.99	67.98	0.94	●	79	Myanmar (2012)	21.93	11.06	0.24	
8	Slovenia (2010)	111.61	62.59	0.93	●	80	Malaysia	21.20	10.64	0.23	○
9	Bulgaria	111.48	62.51	0.92	●	81	Cambodia	21.03	10.54	0.22	
10	Czech Republic	109.54	61.40	0.91	●	82	United States of America	20.33	10.14	0.21	○
11	China	107.18	60.04	0.90		83	Nigeria	19.88	9.88	0.20	
12	Costa Rica (2012)	101.01	56.49	0.89	●	84	Pakistan	18.81	9.27	0.19	
13	Iceland	98.51	55.06	0.88		85	Gambia	18.40	9.03	0.18	
14	Belarus	97.00	54.19	0.87	●	86	Yemen	18.33	8.99	0.17	
15	New Zealand	95.16	53.14	0.86		87	Indonesia	18.07	8.84	0.16	
16	Korea, Rep.	93.14	51.97	0.85		88	Bosnia and Herzegovina	17.89	8.74	0.15	○
17	Portugal	91.74	51.17	0.84		89	Kyrgyzstan	17.89	8.74	0.14	
18	Armenia	86.22	48.00	0.83	●	90	Kazakhstan	17.81	8.69	0.13	○
19	Ukraine	83.83	46.63	0.82	●	91	Singapore	17.39	8.45	0.12	○
20	Estonia	81.03	45.02	0.81		92	Bangladesh	16.14	7.73	0.11	
21	Switzerland	76.35	42.33	0.80		93	Israel	12.81	5.82	0.10	○
22	Viet Nam	76.29	42.30	0.79	●	94	Tajikistan	11.98	5.34	0.09	
23	Jamaica	76.23	42.26	0.78	●	95	Uganda	10.03	4.22	0.08	
24	Chile	73.62	40.76	0.77		96	United Arab Emirates	9.28	3.79	0.07	○
25	Argentina	70.39	38.90	0.76	●	97	Bahrain	7.36	2.69	0.06	○
26	Austria	69.82	38.58	0.75		98	Zambia	7.32	2.67	0.05	○
27	Slovakia	68.51	37.82	0.75		99	Algeria (2012)	6.94	2.45	0.04	
28	Hong Kong (China)	67.07	37.00	0.74		100	Rwanda (2012)	6.67	2.30	0.03	○
29	Uruguay	66.67	36.77	0.73		101	Sudan (2012)	5.90	1.85	0.02	○
30	Germany	66.27	36.54	0.72		102	Bhutan	2.95	0.16	0.01	○
31	Australia	65.90	36.32	0.71		103	Qatar	2.68	0.00	0.00	○
32	Finland	64.28	35.39	0.70		n/a	Angola	n/a	n/a	n/a	
33	Romania	64.02	35.24	0.69		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
34	Ecuador (2010)	63.94	35.20	0.68	●	n/a	Botswana	n/a	n/a	n/a	
35	Panama	63.03	34.67	0.67		n/a	Burkina Faso	n/a	n/a	n/a	
36	Cyprus	62.69	34.48	0.66		n/a	Burundi	n/a	n/a	n/a	
37	Netherlands	59.56	32.68	0.65	○	n/a	Cabo Verde	n/a	n/a	n/a	
38	Spain	56.99	31.20	0.64		n/a	Cameroon	n/a	n/a	n/a	
39	Honduras	55.48	30.33	0.63	●	n/a	Côte d'Ivoire	n/a	n/a	n/a	
40	Morocco	54.64	29.85	0.62		n/a	Egypt	n/a	n/a	n/a	
41	Peru (2012)	54.30	29.66	0.61		n/a	El Salvador	n/a	n/a	n/a	
42	Croatia	53.06	28.95	0.60		n/a	Ethiopia	n/a	n/a	n/a	
43	Latvia	52.98	28.90	0.59		n/a	Fiji	n/a	n/a	n/a	
44	Sweden	52.85	28.83	0.58	○	n/a	Ghana	n/a	n/a	n/a	
45	Madagascar	51.52	28.06	0.57		n/a	Greece	n/a	n/a	n/a	
46	Lithuania	51.44	28.01	0.56		n/a	Guinea	n/a	n/a	n/a	
47	Canada	51.42	28.01	0.55	○	n/a	Guyana	n/a	n/a	n/a	
48	Georgia	51.25	27.91	0.54		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
49	Italy	50.25	27.33	0.53		n/a	Ireland	n/a	n/a	n/a	
50	United Kingdom	50.18	27.29	0.52	○	n/a	Kenya	n/a	n/a	n/a	
51	Poland	50.08	27.23	0.51		n/a	Kuwait	n/a	n/a	n/a	
52	Albania	49.93	27.15	0.50		n/a	Lebanon	n/a	n/a	n/a	
53	Barbados	49.72	27.03	0.49		n/a	Lesotho	n/a	n/a	n/a	
54	Russian Federation	48.19	26.15	0.48		n/a	Malawi	n/a	n/a	n/a	
55	Denmark	47.42	25.71	0.47	○	n/a	Mali	n/a	n/a	n/a	
56	Seychelles	46.01	24.89	0.46		n/a	Montenegro	n/a	n/a	n/a	
57	Belgium	45.48	24.59	0.45	○	n/a	Mozambique	n/a	n/a	n/a	
58	Serbia	43.72	23.58	0.44		n/a	Namibia	n/a	n/a	n/a	
59	Dominican Republic	41.41	22.26	0.43		n/a	Niger	n/a	n/a	n/a	
60	Nicaragua	41.24	22.16	0.42		n/a	Oman	n/a	n/a	n/a	
61	Brazil	41.19	22.13	0.41		n/a	Saudi Arabia	n/a	n/a	n/a	
62	Nepal	39.94	21.41	0.40		n/a	Senegal	n/a	n/a	n/a	
63	Hungary	39.65	21.24	0.39		n/a	Swaziland	n/a	n/a	n/a	
64	Guatemala (2010)	39.25	21.01	0.38		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
65	Mexico	37.40	19.95	0.37		n/a	TFYR of Macedonia	n/a	n/a	n/a	
66	Mauritius	35.29	18.74	0.36		n/a	Togo	n/a	n/a	n/a	
67	Japan	33.79	17.88	0.35	○	n/a	Trinidad and Tobago	n/a	n/a	n/a	
68	Colombia	31.96	16.82	0.34		n/a	Tunisia	n/a	n/a	n/a	
69	Uzbekistan	31.09	16.32	0.33		n/a	Zimbabwe	n/a	n/a	n/a	
70	South Africa	30.51	15.99	0.32							
71	Norway	29.98	15.69	0.31	○						
72	Thailand	28.91	15.07	0.30							

SOURCE: World Intellectual Property Organization, *WIPO Statistics Database*;
International Monetary Fund *World Economic Outlook Database*, 2015 (PPP\$ GDP)

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) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank
1	Cyprus	7.55	100.00	0.94	●	n/a	Barbados	n/a	n/a	n/a
1	Iceland	8.59	100.00	0.94	●	n/a	Bhutan	n/a	n/a	n/a
1	Luxembourg	6.81	100.00	0.94	●	n/a	Bolivia, Plurinational St.	n/a	n/a	n/a
1	Moldova, Rep.	4.23	100.00	0.94	●	n/a	Botswana	n/a	n/a	n/a
1	Switzerland	6.65	100.00	0.94	●	n/a	Brazil	n/a	n/a	n/a
6	Slovenia	3.12	73.77	0.93	●	n/a	Burkina Faso	n/a	n/a	n/a
7	Austria	2.53	59.67	0.91	●	n/a	Burundi	n/a	n/a	n/a
8	Latvia	2.35	55.33	0.90	●	n/a	Cabo Verde	n/a	n/a	n/a
9	Estonia	2.30	54.31	0.88		n/a	Cambodia	n/a	n/a	n/a
10	Denmark	2.22	52.47	0.87		n/a	Cameroon	n/a	n/a	n/a
11	Bulgaria	2.18	51.35	0.85	●	n/a	Canada	n/a	n/a	n/a
12	New Zealand	2.14	50.48	0.84		n/a	Chile	n/a	n/a	n/a
13	Croatia	1.81	42.63	0.82	●	n/a	Costa Rica	n/a	n/a	n/a
14	Serbia	1.78	41.97	0.81	●	n/a	Côte d'Ivoire	n/a	n/a	n/a
15	Netherlands	1.76	41.39	0.79		n/a	Dominican Republic	n/a	n/a	n/a
16	Germany	1.75	41.21	0.78		n/a	Ecuador	n/a	n/a	n/a
17	Finland	1.64	38.71	0.76		n/a	El Salvador	n/a	n/a	n/a
18	Belgium	1.62	38.08	0.75		n/a	Ethiopia	n/a	n/a	n/a
19	Sweden	1.56	36.75	0.73		n/a	Fiji	n/a	n/a	n/a
20	Montenegro	1.50	35.24	0.72		n/a	Gambia	n/a	n/a	n/a
21	France	1.47	34.71	0.70		n/a	Guatemala	n/a	n/a	n/a
22	Lithuania	1.47	34.62	0.69		n/a	Guinea	n/a	n/a	n/a
23	Australia	1.42	33.46	0.67		n/a	Guyana	n/a	n/a	n/a
24	Italy	1.29	30.34	0.66		n/a	Honduras	n/a	n/a	n/a
25	Hungary	1.18	27.80	0.64		n/a	Hong Kong (China)	n/a	n/a	n/a
26	Ukraine	1.17	27.42	0.63		n/a	India	n/a	n/a	n/a
27	United Kingdom	1.16	27.20	0.61	○	n/a	Indonesia	n/a	n/a	n/a
28	Belarus	1.12	26.41	0.60		n/a	Jamaica	n/a	n/a	n/a
29	Armenia	1.11	26.16	0.58		n/a	Jordan	n/a	n/a	n/a
30	Israel	1.03	24.18	0.57		n/a	Kuwait	n/a	n/a	n/a
31	Czech Republic	1.00	23.62	0.55		n/a	Lebanon	n/a	n/a	n/a
32	Norway	0.95	22.27	0.54	○	n/a	Lesotho	n/a	n/a	n/a
33	Portugal	0.90	21.04	0.52		n/a	Malawi	n/a	n/a	n/a
34	Turkey	0.86	20.16	0.51		n/a	Malaysia	n/a	n/a	n/a
35	Ireland	0.82	19.37	0.49	○	n/a	Mali	n/a	n/a	n/a
36	Spain	0.81	19.13	0.48	○	n/a	Malta	n/a	n/a	n/a
37	Slovakia	0.81	19.08	0.46		n/a	Mauritius	n/a	n/a	n/a
38	TFYR of Macedonia	0.62	14.42	0.45		n/a	Mexico	n/a	n/a	n/a
39	Georgia	0.58	13.69	0.43		n/a	Myanmar	n/a	n/a	n/a
40	Singapore	0.53	12.35	0.42	○	n/a	Namibia	n/a	n/a	n/a
41	Bosnia and Herzegovina	0.53	12.29	0.40		n/a	Nepal	n/a	n/a	n/a
42	Japan	0.44	10.22	0.39	○	n/a	Nicaragua	n/a	n/a	n/a
43	Poland	0.42	9.83	0.37		n/a	Niger	n/a	n/a	n/a
44	Korea, Rep.	0.39	9.07	0.36	○	n/a	Nigeria	n/a	n/a	n/a
45	Greece	0.39	9.02	0.34		n/a	Oman	n/a	n/a	n/a
46	United States of America	0.38	8.82	0.33	○	n/a	Pakistan	n/a	n/a	n/a
47	Russian Federation	0.36	8.33	0.31		n/a	Panama	n/a	n/a	n/a
48	Morocco	0.32	7.36	0.30		n/a	Paraguay	n/a	n/a	n/a
49	Azerbaijan	0.21	4.87	0.28		n/a	Peru	n/a	n/a	n/a
50	Albania	0.19	4.36	0.27		n/a	Qatar	n/a	n/a	n/a
51	Romania	0.19	4.32	0.25	○	n/a	Rwanda	n/a	n/a	n/a
52	Kyrgyzstan	0.16	3.57	0.24		n/a	Saudi Arabia	n/a	n/a	n/a
53	Viet Nam	0.13	3.01	0.22		n/a	Senegal	n/a	n/a	n/a
54	China	0.13	2.85	0.21		n/a	Seychelles	n/a	n/a	n/a
55	Kazakhstan	0.12	2.69	0.19		n/a	South Africa	n/a	n/a	n/a
56	Colombia	0.07	1.56	0.18	○	n/a	Sri Lanka	n/a	n/a	n/a
57	Philippines	0.07	1.47	0.16		n/a	Swaziland	n/a	n/a	n/a
58	Mozambique	0.06	1.39	0.15		n/a	Tanzania, United Rep.	n/a	n/a	n/a
59	Madagascar	0.06	1.26	0.13		n/a	Thailand	n/a	n/a	n/a
60	Sudan	0.05	1.05	0.12		n/a	Togo	n/a	n/a	n/a
61	Tajikistan	0.04	0.92	0.10		n/a	Trinidad and Tobago	n/a	n/a	n/a
62	Mongolia	0.03	0.54	0.09	○	n/a	Tunisia	n/a	n/a	n/a
63	Egypt	0.02	0.44	0.07	○	n/a	Uganda	n/a	n/a	n/a
64	Kenya	0.02	0.40	0.06	○	n/a	United Arab Emirates	n/a	n/a	n/a
65	Iran, Islamic Rep.	0.02	0.34	0.04	○	n/a	Uruguay	n/a	n/a	n/a
66	Ghana	0.02	0.30	0.03	○	n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a
67	Uzbekistan	0.02	0.28	0.01	○	n/a	Yemen	n/a	n/a	n/a
68	Algeria (2013)	0.01	0.00	0.00	○	n/a	Zambia	n/a	n/a	n/a
n/a	Angola	n/a	n/a	n/a		n/a	Zimbabwe	n/a	n/a	n/a
n/a	Argentina	n/a	n/a	n/a						
n/a	Bahrain	n/a	n/a	n/a						
n/a	Bangladesh	n/a	n/a	n/a						

SOURCE: World Intellectual Property Organization, *WIPO Statistics Database*;
International Monetary Fund *World Economic Outlook Database*, 2015 (PPP\$ GDP)

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] | 2014

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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	Finland	5.85	80.80	1.00	●	73	Brazil	4.24	54.05	0.45	
2	United Arab Emirates	5.74	79.05	0.99	●	74	Peru	4.24	53.98	0.45	
3	Estonia	5.72	78.58	0.98	●	75	Montenegro	4.23	53.83	0.44	
4	Qatar	5.64	77.39	0.98	●	76	Barbados	4.21	53.49	0.43	
5	Netherlands	5.60	76.63	0.97	●	77	Cambodia	4.19	53.15	0.42	
6	Sweden	5.57	76.09	0.96	●	78	Cameroon	4.18	53.06	0.42	●
7	Luxembourg	5.57	76.09	0.95		79	Gambia	4.16	52.70	0.41	
8	United Kingdom	5.54	75.67	0.95		80	Slovakia	4.15	52.44	0.40	
9	Singapore	5.54	75.63	0.94		81	Mongolia	4.13	52.22	0.39	
10	Malaysia	5.50	75.04	0.93	●	82	Paraguay	4.13	52.09	0.39	
11	Norway	5.50	74.93	0.92		83	Romania	4.11	51.76	0.38	
12	Korea, Rep.	5.47	74.58	0.92		84	India	4.10	51.73	0.37	
13	Switzerland	5.44	74.02	0.91		85	Morocco	4.08	51.35	0.36	
14	Japan	5.39	73.14	0.90		86	Jamaica	4.07	51.24	0.36	
15	New Zealand	5.37	72.80	0.89		87	Tajikistan	4.07	51.23	0.35	
16	Ireland	5.34	72.39	0.89		88	Namibia	4.07	51.17	0.34	
17	Portugal	5.30	71.72	0.88	●	89	Bulgaria	4.06	50.99	0.33	
18	United States of America	5.27	71.12	0.87		90	Russian Federation	4.02	50.39	0.33	
19	Germany	5.16	69.34	0.86		91	Pakistan	4.02	50.30	0.32	
20	Canada	5.14	68.93	0.86		92	Uganda	4.01	50.21	0.31	
21	Israel	5.09	68.12	0.85		93	Ghana	4.00	50.05	0.30	
22	Iceland	5.09	68.12	1.1462	0.84	94	Guyana	3.99	49.76	0.30	
23	Belgium	5.08	68.00	0.83		95	Poland	3.96	49.38	0.29	○
24	Hong Kong (China)	5.04	67.28	0.83		96	Italy	3.95	49.23	0.28	○
25	Spain	5.03	67.16	0.82		97	Côte d'Ivoire	3.95	49.21	0.27	
26	Lithuania	5.01	66.88	0.81		98	Georgia	3.93	48.89	0.27	
27	Rwanda	5.00	66.74	0.80	●	99	Bolivia, Plurinational St.	3.86	47.67	0.26	
28	Chile	4.99	66.44	0.80		100	Seychelles	3.85	47.56	0.25	
29	Saudi Arabia	4.95	65.90	0.79	●	101	Madagascar	3.84	47.32	0.24	
30	France	4.93	65.46	0.78		102	Zimbabwe	3.83	47.14	0.23	
31	Austria	4.93	65.42	0.77		103	Tunisia	3.82	46.96	0.23	
32	Indonesia	4.92	65.32	0.77	●	104	Egypt	3.77	46.12	0.22	
33	Panama	4.87	64.54	0.76		105	Iran, Islamic Rep.	3.76	46.02	0.21	
34	Australia	4.86	64.32	0.75		106	Serbia	3.76	45.97	0.20	○
35	Malta	4.85	64.21	0.74		107	Argentina	3.75	45.89	0.20	
36	Bahrain	4.85	64.18	0.73		108	Ukraine	3.75	45.86	0.19	○
37	Kenya	4.84	63.93	0.73	●	109	Bangladesh	3.74	45.72	0.18	
38	Guatemala	4.80	63.36	0.72	●	110	Tanzania, United Rep.	3.74	45.68	0.17	
39	Jordan	4.79	63.25	0.71	●	111	Bhutan	3.72	45.40	0.17	
40	Azerbaijan	4.79	63.16	0.70	●	112	Moldova, Rep.	3.71	45.17	0.16	○
41	Costa Rica	4.73	62.21	0.70		113	Trinidad and Tobago	3.68	44.59	0.15	
42	Turkey	4.72	62.08	0.69		114	Botswana	3.65	44.25	0.14	
43	Denmark	4.70	61.73	0.68		115	Mozambique	3.65	44.12	0.14	
44	Thailand	4.67	61.20	0.67		116	Kyrgyzstan	3.64	43.95	0.13	
45	Czech Republic	4.65	60.87	0.67		117	Greece	3.61	43.54	0.12	○
46	Uruguay	4.65	60.84	0.66		118	Malawi	3.55	42.55	0.11	
47	China	4.64	60.60	0.65		119	Albania	3.41	40.15	0.11	○
48	Philippines	4.63	60.47	0.64		120	Nepal	3.36	39.32	0.10	
49	Colombia	4.61	60.18	0.64		121	Ethiopia	3.35	39.12	0.09	
50	TFYR of Macedonia	4.61	60.09	0.63		122	Kuwait	3.34	38.96	0.08	○
51	Senegal	4.60	59.94	0.62	●	123	Swaziland	3.33	38.91	0.08	○
52	Viet Nam	4.56	59.39	0.61		124	Angola	3.33	38.83	0.07	
53	Dominican Republic	4.55	59.23	0.61	●	125	Lesotho	3.30	38.32	0.06	○
54	Armenia	4.55	59.22	0.60		126	Venezuela, Bolivarian Rep.	3.29	38.16	0.05	
55	Mali	4.55	59.10	0.59	●	127	Lebanon	3.26	37.67	0.05	○
56	South Africa	4.54	58.96	0.58		128	Nicaragua	3.22	37.03	0.04	○
57	Mauritius	4.53	58.86	0.58		129	Guinea	3.15	35.86	0.03	
58	Oman	4.52	58.68	0.57		130	Myanmar	3.07	34.48	0.02	
59	Latvia	4.52	58.58	0.56		131	Algeria	3.07	34.46	0.02	○
60	Hungary	4.51	58.43	0.55		132	Burundi	2.74	28.98	0.01	○
61	Sri Lanka	4.50	58.35	0.55		133	Yemen	2.71	28.53	0.00	○
62	Croatia	4.47	57.90	0.54		n/a	Belarus	n/a	n/a	n/a	
63	El Salvador	4.46	57.63	0.53		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
64	Slovenia	4.44	57.26	0.52		n/a	Ecuador	n/a	n/a	n/a	
65	Mexico	4.41	56.91	0.52		n/a	Fiji	n/a	n/a	n/a	
66	Cyprus	4.41	56.80	0.51		n/a	Niger	n/a	n/a	n/a	
67	Honduras	4.40	56.69	0.50		n/a	Sudan	n/a	n/a	n/a	
68	Cabo Verde	4.38	56.41	0.49		n/a	Togo	n/a	n/a	n/a	
69	Nigeria	4.35	55.83	0.48	●	n/a	Uzbekistan	n/a	n/a	n/a	
70	Zambia	4.34	55.71	0.48							
71	Burkina Faso	4.30	54.99	0.47	●						
72	Kazakhstan	4.26	54.37	0.46							

SOURCE: World Economic Forum, *Executive Opinion Survey 2014–2015*

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] | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland	5.78	79.66	1.00	●	73	Hungary	4.06	51.02	0.45	
2	Estonia	5.71	78.43	0.99	●	74	Brazil	4.05	50.82	0.45	
3	Norway	5.50	75.08	0.98	●	75	Guyana	4.04	50.68	0.44	
4	Malaysia	5.49	74.87	0.98	●	76	Russian Federation	4.02	50.33	0.43	
5	United Arab Emirates	5.49	74.82	0.97	●	77	Cabo Verde	3.98	49.71	0.42	
6	Netherlands	5.47	74.53	0.96	●	78	Zambia	3.95	49.18	0.42	
7	Qatar	5.47	74.43	0.95	●	79	Cameroon	3.95	49.15	0.41	
8	United Kingdom	5.46	74.32	0.95		80	Gambia	3.94	49.02	0.40	
9	United States of America	5.44	74.04	0.94		81	Tajikistan	3.93	48.91	0.39	
10	Sweden	5.40	73.40	0.93		82	Montenegro	3.93	48.88	0.39	
11	Singapore	5.33	72.23	0.92		83	Côte d'Ivoire	3.92	48.63	0.38	
12	Canada	5.25	70.80	0.92		84	Romania	3.91	48.46	0.37	
13	Ireland	5.22	70.41	0.91		85	Nigeria	3.89	48.21	0.36	
14	Iceland	5.17	69.56	0.90		86	India	3.89	48.10	0.36	
15	New Zealand	5.17	69.48	0.89		87	Paraguay	3.88	48.06	0.35	
16	Luxembourg	5.16	69.33	0.89		88	Bulgaria	3.88	48.01	0.34	
17	Australia	5.16	69.27	0.88		89	Poland	3.86	47.71	0.33	
18	Portugal	5.12	68.63	0.87		90	Namibia	3.86	47.61	0.33	
19	Korea, Rep.	5.06	67.72	0.86		91	Trinidad and Tobago	3.84	47.37	0.32	
20	Hong Kong (China)	5.06	67.59	0.86		92	Bolivia, Plurinational St.	3.83	47.16	0.31	
21	Germany	4.99	66.55	0.85		93	Egypt	3.83	47.09	0.30	
22	Lithuania	4.98	66.35	0.84		94	Argentina	3.82	47.08	0.30	
23	Belgium	4.97	66.16	0.83		95	Madagascar	3.82	46.97	0.29	
24	Saudi Arabia	4.85	64.09	0.83	●	96	Uganda	3.78	46.25	0.28	
25	Switzerland	4.84	64.02	0.82		97	Morocco	3.67	44.55	0.27	
26	Azerbaijan	4.75	62.51	0.81	●	98	Ukraine	3.66	44.40	0.27	
27	Israel	4.75	62.44	0.80		99	Tanzania, United Rep.	3.65	44.17	0.26	
28	Guatemala	4.73	62.22	0.80	●	100	Mongolia	3.64	43.97	0.25	
29	Jordan	4.72	62.01	0.79	●	101	Pakistan	3.60	43.27	0.24	
30	Bahrain	4.69	61.55	0.78		102	Tunisia	3.59	43.22	0.23	
31	Denmark	4.69	61.54	0.77		103	Moldova, Rep.	3.59	43.14	0.23	○
32	China	4.68	61.41	0.77		104	Georgia	3.58	43.06	0.22	
33	Indonesia	4.68	61.31	0.76	●	105	Seychelles	3.58	42.93	0.21	○
34	Spain	4.66	60.95	0.75		106	Serbia	3.56	42.61	0.20	○
35	Latvia	4.65	60.79	0.74		107	Bangladesh	3.55	42.54	0.20	
36	Costa Rica	4.65	60.78	0.73		108	Iran, Islamic Rep.	3.55	42.49	0.19	
37	Japan	4.64	60.59	0.73		109	Ghana	3.53	42.19	0.18	
38	Philippines	4.62	60.25	0.72	●	110	Burkina Faso	3.51	41.84	0.17	
39	Malta	4.61	60.21	0.71		111	Malawi	3.50	41.63	0.17	
40	Chile	4.59	59.88	0.70		112	Bhutan	3.49	41.44	0.16	
41	Panama	4.59	59.85	0.70		113	Zimbabwe	3.45	40.87	0.15	
42	Czech Republic	4.58	59.73	0.69		114	Venezuela, Bolivarian Rep.	3.45	40.86	0.14	
43	Uruguay	4.58	59.68	0.68		115	Italy	3.43	40.49	0.14	○
44	Armenia	4.56	59.27	0.67		116	Greece	3.42	40.40	0.13	○
45	Rwanda	4.53	58.78	0.67	●	117	Kyrgyzstan	3.38	39.63	0.12	
46	France	4.51	58.51	0.66		118	Kuwait	3.38	39.58	0.11	○
47	Austria	4.51	58.48	0.65		119	Mozambique	3.36	39.38	0.11	
48	Dominican Republic	4.48	58.00	0.64	●	120	Nepal	3.34	38.96	0.10	
49	Sri Lanka	4.47	57.79	0.64	●	121	Botswana	3.33	38.77	0.09	○
50	Croatia	4.47	57.77	0.63		122	Nicaragua	3.30	38.32	0.08	
51	Honduras	4.46	57.68	0.62	●	123	Swaziland	3.27	37.84	0.08	○
52	Colombia	4.45	57.57	0.61		124	Ethiopia	3.16	36.06	0.07	
53	Mauritius	4.41	56.86	0.61		125	Algeria	3.11	35.24	0.06	
54	Slovenia	4.40	56.66	0.60		126	Albania	3.05	34.22	0.05	○
55	Kenya	4.38	56.33	0.59		127	Lesotho	2.97	32.83	0.05	○
56	Turkey	4.37	56.22	0.58		128	Yemen	2.92	32.07	0.04	
57	South Africa	4.35	55.84	0.58		129	Myanmar	2.89	31.54	0.03	
58	Cambodia	4.31	55.18	0.57	●	130	Lebanon	2.86	31.08	0.02	○
59	El Salvador	4.30	55.00	0.56		131	Guinea	2.71	28.57	0.02	○
60	TFYR of Macedonia	4.30	54.95	0.55		132	Angola	2.65	27.58	0.01	○
61	Mexico	4.28	54.73	0.55		133	Burundi	2.43	23.90	0.00	○
62	Senegal	4.20	53.29	0.54	●	n/a	Belarus	n/a	n/a	n/a	
63	Kazakhstan	4.17	52.85	0.53		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
64	Cyprus	4.17	52.75	0.52		n/a	Ecuador	n/a	n/a	n/a	
65	Jamaica	4.17	52.75	0.52		n/a	Fiji	n/a	n/a	n/a	
66	Thailand	4.16	52.69	0.51		n/a	Niger	n/a	n/a	n/a	
67	Mali	4.14	52.39	0.50		n/a	Sudan	n/a	n/a	n/a	
68	Barbados	4.14	52.34	0.49		n/a	Togo	n/a	n/a	n/a	
69	Viet Nam	4.13	52.18	0.48		n/a	Uzbekistan	n/a	n/a	n/a	
70	Oman	4.13	52.13	0.48							
71	Peru	4.13	52.10	0.47							
72	Slovakia	4.09	51.45	0.46							

SOURCE: World Economic Forum, *Executive Opinion Survey 2014–2015*

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	5.66	100.00	0.99	●	73	Bosnia and Herzegovina (2013)	0.01	0.80	0.16	○
1	Serbia	1.74	100.00	0.99	●	74	Mauritius (2013)	0.01	0.80	0.15	○
3	United Kingdom	1.55	89.31	0.98	●	75	Costa Rica	0.01	0.64	0.14	○
4	Hungary	1.53	87.80	0.97	●	76	Guatemala (2013)	0.01	0.62	0.13	
5	Belgium	1.38	79.42	0.95	●	77	Pakistan	0.01	0.61	0.12	
6	Croatia	1.37	78.57	0.94	●	78	Rwanda	0.01	0.60	0.10	
7	Montenegro (2013)	1.34	77.01	0.93	●	79	Venezuela, Bolivarian Rep.	0.01	0.52	0.09	
8	Lebanon	1.27	72.73	0.92	●	80	Mali	0.01	0.46	0.08	
9	Latvia	1.23	70.90	0.91	●	81	Kazakhstan (2013)	0.01	0.40	0.07	○
10	United States of America	1.19	68.60	0.90		82	Ethiopia	0.01	0.31	0.06	
11	Cameroon	1.16	66.71	0.88	●	83	Uganda	0.01	0.29	0.05	○
12	France	1.06	60.66	0.87		84	Senegal	0.00	0.17	0.03	○
13	Slovenia	0.99	56.98	0.86		85	Paraguay (2013)	0.00	0.17	0.02	○
14	Poland	0.98	56.06	0.85	●	86	Bangladesh	0.00	0.12	0.01	○
15	Argentina (2013)	0.93	53.30	0.84	●	87	Kenya	0.00	0.00	0.00	○
16	Israel	0.91	52.48	0.83		n/a	Angola	n/a	n/a	n/a	
17	New Zealand (2004)	0.86	49.28	0.81		n/a	Bahrain	n/a	n/a	n/a	
18	Albania (2013)	0.85	48.73	0.80	●	n/a	Barbados	n/a	n/a	n/a	
19	Russian Federation	0.84	48.32	0.79		n/a	Bhutan	n/a	n/a	n/a	
20	Estonia	0.84	48.11	0.78		n/a	Botswana	n/a	n/a	n/a	
21	Spain	0.84	48.01	0.77		n/a	Burkina Faso	n/a	n/a	n/a	
22	Cyprus	0.82	47.22	0.76		n/a	Burundi	n/a	n/a	n/a	
23	Moldova, Rep. (2013)	0.82	46.92	0.74		n/a	Cambodia	n/a	n/a	n/a	
24	Sweden	0.81	46.63	0.73		n/a	Chile	n/a	n/a	n/a	
25	Bulgaria	0.78	44.71	0.72		n/a	Côte d'Ivoire	n/a	n/a	n/a	
26	Austria	0.73	41.87	0.71		n/a	Dominican Republic	n/a	n/a	n/a	
27	Romania	0.72	41.42	0.70		n/a	Egypt	n/a	n/a	n/a	
28	Canada	0.72	41.33	0.69		n/a	El Salvador	n/a	n/a	n/a	
29	Denmark	0.71	40.92	0.67		n/a	Gambia	n/a	n/a	n/a	
30	TFYR of Macedonia	0.66	37.76	0.66		n/a	Ghana	n/a	n/a	n/a	
31	Czech Republic	0.63	36.39	0.65		n/a	Guyana	n/a	n/a	n/a	
32	Morocco	0.58	33.35	0.64		n/a	Honduras	n/a	n/a	n/a	
33	Portugal	0.56	32.25	0.63		n/a	Indonesia	n/a	n/a	n/a	
34	Norway	0.56	31.96	0.62		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
35	Turkey	0.54	31.20	0.60		n/a	Jamaica	n/a	n/a	n/a	
36	Netherlands	0.51	29.45	0.59	○	n/a	Jordan	n/a	n/a	n/a	
37	Ecuador (2013)	0.43	24.84	0.58		n/a	Kuwait	n/a	n/a	n/a	
38	Slovakia	0.43	24.46	0.57		n/a	Kyrgyzstan	n/a	n/a	n/a	
39	Germany	0.39	22.56	0.56		n/a	Lesotho	n/a	n/a	n/a	
40	Colombia (2013)	0.36	20.51	0.55		n/a	Madagascar	n/a	n/a	n/a	
41	Korea, Rep. (2013)	0.33	18.97	0.53		n/a	Malaysia	n/a	n/a	n/a	
42	Italy	0.30	17.44	0.52		n/a	Myanmar	n/a	n/a	n/a	
43	Finland	0.29	16.60	0.51	○	n/a	Namibia	n/a	n/a	n/a	
44	Lithuania	0.29	16.44	0.50		n/a	Nepal	n/a	n/a	n/a	
45	Brazil (2013)	0.28	16.26	0.49		n/a	Nicaragua	n/a	n/a	n/a	
46	Iceland	0.26	15.10	0.48		n/a	Niger	n/a	n/a	n/a	
47	Armenia (2013)	0.26	14.94	0.47		n/a	Nigeria	n/a	n/a	n/a	
48	Bolivia, Plurinational St.	0.23	13.41	0.45		n/a	Oman	n/a	n/a	n/a	
49	China	0.23	13.12	0.44		n/a	Qatar	n/a	n/a	n/a	
50	Malta	0.22	12.54	0.43		n/a	Saudi Arabia	n/a	n/a	n/a	
51	Ireland	0.21	11.92	0.42	○	n/a	Seychelles	n/a	n/a	n/a	
52	Algeria	0.20	11.52	0.41		n/a	Singapore	n/a	n/a	n/a	
53	Guinea	0.19	10.95	0.40	●	n/a	South Africa	n/a	n/a	n/a	
54	Hong Kong (China)	0.18	10.17	0.38	○	n/a	Sri Lanka	n/a	n/a	n/a	
55	Mozambique	0.13	7.39	0.37		n/a	Sudan	n/a	n/a	n/a	
56	Peru	0.11	6.48	0.36		n/a	Switzerland	n/a	n/a	n/a	
57	Panama (2013)	0.11	6.28	0.35		n/a	Tajikistan	n/a	n/a	n/a	
58	Georgia (2013)	0.10	5.57	0.34		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
59	India	0.10	5.47	0.33		n/a	Thailand	n/a	n/a	n/a	
60	Philippines (2013)	0.09	5.36	0.31		n/a	Togo	n/a	n/a	n/a	
61	Australia (2013)	0.08	4.61	0.30	○	n/a	Trinidad and Tobago	n/a	n/a	n/a	
62	Swaziland (2010)	0.07	4.21	0.29		n/a	Tunisia	n/a	n/a	n/a	
63	Greece	0.05	3.07	0.28		n/a	United Arab Emirates	n/a	n/a	n/a	
64	Mongolia (2007)	0.05	2.67	0.27		n/a	Uruguay	n/a	n/a	n/a	
65	Ukraine (2013)	0.05	2.61	0.26		n/a	Uzbekistan	n/a	n/a	n/a	
66	Cabo Verde (2013)	0.04	2.28	0.24		n/a	Viet Nam	n/a	n/a	n/a	
67	Malawi	0.04	2.26	0.23		n/a	Yemen	n/a	n/a	n/a	
68	Fiji	0.04	2.10	0.22		n/a	Zambia	n/a	n/a	n/a	
69	Azerbaijan (2013)	0.02	1.33	0.21		n/a	Zimbabwe	n/a	n/a	n/a	
70	Mexico (2013)	0.02	1.13	0.20	○	SOURCE: World Trade Organization, <i>Trade in Commercial Services</i> database, based on the International Monetary Fund <i>Balance of Payments</i> database					
71	Japan	0.01	0.83	0.19	○	NOTE: ● indicates a strength; ○ a weakness					
72	Belarus (2013)	0.01	0.81	0.17	○						

7.2.2 National feature films produced

Number of national feature films produced (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	Azerbaijan	26.11	100.00	0.95	●	73	Venezuela, Bolivarian Rep.	1.02	3.91	0.31	
1	Bahrain	34.78	100.00	0.95	●	74	Sri Lanka	1.01	3.88	0.30	
1	Bhutan (2011)	58.51	100.00	0.95	●	75	Tunisia	1.01	3.87	0.29	
1	Iceland	30.10	100.00	0.95	●	76	Thailand (2010)	0.99	3.78	0.28	
1	Luxembourg (2011)	42.88	100.00	0.95	●	77	Morocco	0.97	3.71	0.27	
1	Mauritius (2011)	32.65	100.00	0.95	●	78	Dominican Republic (2009)	0.94	3.61	0.26	
7	Guyana (2011)	22.86	87.53	0.94	●	79	Brazil	0.91	3.47	0.25	
8	Estonia	19.63	75.18	0.93	●	80	Poland	0.91	3.47	0.24	○
9	Switzerland	17.51	67.08	0.92		81	Philippines	0.85	3.25	0.23	
10	Denmark	17.40	66.64	0.91		82	Guinea (2010)	0.83	3.18	0.22	●
11	Slovenia	15.15	58.00	0.90		83	Colombia	0.79	3.01	0.21	
12	Armenia	13.09	50.13	0.89	●	84	Niger (2011)	0.75	2.86	0.20	
13	Finland	12.73	48.76	0.88		85	Myanmar (2009)	0.74	2.85	0.19	
14	Nigeria (2011)	11.16	42.74	0.88	●	86	South Africa	0.71	2.70	0.18	○
15	Israel	10.97	42.02	0.87		87	Russian Federation	0.68	2.62	0.17	○
16	Mongolia	10.51	40.25	0.86	●	88	Egypt	0.61	2.35	0.16	
17	Ireland	10.44	40.00	0.85		89	China	0.60	2.31	0.15	○
18	Sweden	9.11	34.90	0.84		90	Peru	0.59	2.26	0.14	○
19	Belgium	8.97	34.36	0.83		91	Belarus	0.57	2.19	0.13	○
20	Greece	8.75	33.52	0.82		92	Costa Rica	0.57	2.19	0.13	○
21	Croatia	8.41	32.21	0.81	●	93	Kyrgyzstan	0.54	2.07	0.12	
22	TFYR of Macedonia	8.20	31.41	0.80	●	94	Bangladesh	0.51	1.97	0.11	
23	Norway	8.14	31.16	0.79		95	Indonesia (2011)	0.51	1.96	0.10	
24	New Zealand	7.89	30.20	0.78		96	Honduras (2012)	0.41	1.57	0.09	○
25	Austria	7.48	28.64	0.77		97	Panama (2010)	0.41	1.57	0.08	○
26	Hong Kong (China)	7.43	28.45	0.76		98	Senegal	0.39	1.49	0.07	○
27	Spain	6.87	26.29	0.75		99	Ukraine	0.36	1.37	0.06	○
28	Latvia	6.80	26.04	0.74		100	Nicaragua (2009)	0.28	1.08	0.05	○
29	Lithuania	6.76	25.87	0.73		101	El Salvador (2008)	0.26	1.00	0.04	○
30	Japan	6.73	25.77	0.72		102	Pakistan (2009)	0.26	0.99	0.03	○
31	Malta	6.24	23.91	0.71		103	Mali (2011)	0.14	0.52	0.02	○
32	France	6.08	23.28	0.70		104	Cabo Verde	0.00	0.00	0.00	○
33	Argentina	5.94	22.74	0.69		104	Oman (2009)	0.00	0.00	0.00	○
34	Netherlands	5.66	21.69	0.68		n/a	Albania	n/a	n/a	n/a	
35	Czech Republic	5.65	21.63	0.67		n/a	Algeria	n/a	n/a	n/a	
36	Korea, Rep.	5.47	20.93	0.66		n/a	Angola	n/a	n/a	n/a	
37	United Kingdom	5.43	20.80	0.65	○	n/a	Barbados	n/a	n/a	n/a	
38	Slovakia	5.29	20.25	0.64		n/a	Botswana	n/a	n/a	n/a	
39	Uruguay	5.18	19.82	0.63		n/a	Burundi	n/a	n/a	n/a	
40	Hungary	4.38	16.78	0.63		n/a	Côte d'Ivoire	n/a	n/a	n/a	
41	Lebanon	4.24	16.23	0.62		n/a	Ecuador	n/a	n/a	n/a	
42	Bolivia, Plurinational St. (2009)	4.13	15.80	0.61	●	n/a	Ethiopia	n/a	n/a	n/a	
43	Bosnia and Herzegovina	3.92	15.01	0.60		n/a	Gambia	n/a	n/a	n/a	
44	Italy	3.89	14.89	0.59		n/a	Ghana	n/a	n/a	n/a	
45	Germany	3.80	14.56	0.58		n/a	Jamaica	n/a	n/a	n/a	
46	Canada	3.61	13.82	0.57	○	n/a	Jordan	n/a	n/a	n/a	
47	Malaysia	3.38	12.93	0.56		n/a	Kenya	n/a	n/a	n/a	
48	United States of America	3.24	12.42	0.55		n/a	Kuwait	n/a	n/a	n/a	
49	Uzbekistan	3.13	12.00	0.54	●	n/a	Lesotho	n/a	n/a	n/a	
50	Singapore	3.10	11.86	0.53		n/a	Madagascar	n/a	n/a	n/a	
51	Kazakhstan	3.05	11.67	0.52		n/a	Malawi	n/a	n/a	n/a	
52	Georgia	2.90	11.10	0.51		n/a	Montenegro	n/a	n/a	n/a	
53	Bulgaria	2.83	10.85	0.50		n/a	Mozambique	n/a	n/a	n/a	
54	Serbia	2.56	9.80	0.49		n/a	Namibia	n/a	n/a	n/a	
55	Chile	2.43	9.32	0.48		n/a	Nepal	n/a	n/a	n/a	
56	Romania	2.30	8.81	0.47		n/a	Qatar	n/a	n/a	n/a	
57	Cambodia	2.02	7.75	0.46		n/a	Rwanda	n/a	n/a	n/a	
58	Cameroon (2009)	1.83	7.00	0.45	●	n/a	Saudi Arabia	n/a	n/a	n/a	
59	Burkina Faso	1.78	6.82	0.44		n/a	Seychelles	n/a	n/a	n/a	
60	Tajikistan	1.77	6.78	0.43		n/a	Sudan	n/a	n/a	n/a	
61	Fiji (2009)	1.72	6.60	0.42		n/a	Swaziland	n/a	n/a	n/a	
62	Portugal	1.71	6.55	0.41	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a	
63	Turkey	1.63	6.25	0.40		n/a	Togo	n/a	n/a	n/a	
64	Australia	1.56	5.99	0.39	○	n/a	Trinidad and Tobago	n/a	n/a	n/a	
65	India (2012)	1.55	5.92	0.38		n/a	Uganda	n/a	n/a	n/a	
66	Mexico	1.53	5.86	0.38		n/a	United Arab Emirates	n/a	n/a	n/a	
67	Iran, Islamic Rep.	1.49	5.72	0.37		n/a	Yemen	n/a	n/a	n/a	
68	Viet Nam	1.34	5.13	0.36		n/a	Zambia	n/a	n/a	n/a	
69	Guatemala (2010)	1.26	4.81	0.35		n/a	Zimbabwe	n/a	n/a	n/a	
70	Paraguay (2009)	1.25	4.81	0.34							
71	Cyprus	1.17	4.48	0.33							
72	Moldova, Rep.	1.14	4.35	0.32							

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

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	3.38	100.00	1.00	●	n/a	Burundi	n/a	n/a	n/a
2	Switzerland	2.67	78.97	0.98	●	n/a	Cabo Verde	n/a	n/a	n/a
3	Australia	2.31	68.21	0.97	●	n/a	Cambodia	n/a	n/a	n/a
4	United States of America	2.29	67.71	0.95		n/a	Cameroon	n/a	n/a	n/a
5	Sweden	2.22	65.54	0.93		n/a	Costa Rica	n/a	n/a	n/a
6	Japan	2.22	65.46	0.91		n/a	Côte d'Ivoire	n/a	n/a	n/a
7	Denmark	2.09	61.53	0.90		n/a	Croatia	n/a	n/a	n/a
8	United Kingdom	2.00	58.92	0.88		n/a	Cyprus	n/a	n/a	n/a
9	Austria	1.88	55.41	0.86		n/a	Dominican Republic	n/a	n/a	n/a
10	Finland	1.85	54.48	0.84		n/a	Ecuador	n/a	n/a	n/a
11	Germany	1.70	50.06	0.83		n/a	El Salvador	n/a	n/a	n/a
12	Netherlands	1.70	49.90	0.81		n/a	Estonia	n/a	n/a	n/a
13	Canada	1.68	49.51	0.79		n/a	Ethiopia	n/a	n/a	n/a
14	France	1.61	47.23	0.78		n/a	Fiji	n/a	n/a	n/a
15	Belgium	1.57	46.16	0.76		n/a	Gambia	n/a	n/a	n/a
16	New Zealand	1.52	44.59	0.74		n/a	Georgia	n/a	n/a	n/a
17	Ireland	1.46	42.96	0.72		n/a	Ghana	n/a	n/a	n/a
18	Hong Kong (China)	1.42	41.61	0.71		n/a	Guatemala	n/a	n/a	n/a
19	Korea, Rep.	1.26	36.84	0.69		n/a	Guinea	n/a	n/a	n/a
20	Singapore	1.26	36.72	0.67		n/a	Guyana	n/a	n/a	n/a
21	Qatar	1.07	31.14	0.66		n/a	Honduras	n/a	n/a	n/a
22	Italy	1.02	29.76	0.64		n/a	Iceland	n/a	n/a	n/a
23	Israel	0.96	27.77	0.62		n/a	Iran, Islamic Rep.	n/a	n/a	n/a
24	Portugal	0.91	26.30	0.60		n/a	Jamaica	n/a	n/a	n/a
25	Spain	0.79	22.93	0.59		n/a	Kazakhstan	n/a	n/a	n/a
26	Kuwait	0.69	19.85	0.57		n/a	Kyrgyzstan	n/a	n/a	n/a
27	Czech Republic	0.59	16.97	0.55		n/a	Latvia	n/a	n/a	n/a
28	Greece	0.55	15.66	0.53		n/a	Lesotho	n/a	n/a	n/a
29	Argentina	0.53	15.04	0.52		n/a	Lithuania	n/a	n/a	n/a
30	United Arab Emirates	0.50	14.12	0.50		n/a	Luxembourg	n/a	n/a	n/a
31	Hungary	0.43	11.99	0.48		n/a	Madagascar	n/a	n/a	n/a
32	Malaysia	0.38	10.66	0.47		n/a	Malawi	n/a	n/a	n/a
33	Saudi Arabia	0.37	10.22	0.45		n/a	Mali	n/a	n/a	n/a
34	Poland	0.35	9.73	0.43		n/a	Malta	n/a	n/a	n/a
35	South Africa	0.35	9.64	0.41		n/a	Mauritius	n/a	n/a	n/a
36	Brazil	0.34	9.35	0.40		n/a	Moldova, Rep.	n/a	n/a	n/a
37	Chile	0.31	8.65	0.38	○	n/a	Mongolia	n/a	n/a	n/a
38	Bahrain	0.31	8.54	0.36		n/a	Montenegro	n/a	n/a	n/a
39	Mexico	0.29	8.02	0.34		n/a	Mozambique	n/a	n/a	n/a
40	Oman	0.29	7.82	0.33		n/a	Myanmar	n/a	n/a	n/a
41	Russian Federation	0.26	7.09	0.31	○	n/a	Namibia	n/a	n/a	n/a
42	Turkey	0.22	5.94	0.29		n/a	Nepal	n/a	n/a	n/a
43	Venezuela, Bolivarian Rep.	0.22	5.92	0.28		n/a	Nicaragua	n/a	n/a	n/a
44	Colombia	0.22	5.70	0.26		n/a	Niger	n/a	n/a	n/a
45	Thailand	0.19	5.00	0.24		n/a	Panama	n/a	n/a	n/a
46	Romania	0.16	4.07	0.22	○	n/a	Paraguay	n/a	n/a	n/a
47	China	0.13	3.01	0.21		n/a	Peru	n/a	n/a	n/a
48	Lebanon	0.12	2.93	0.19		n/a	Rwanda	n/a	n/a	n/a
49	Philippines	0.09	2.11	0.17		n/a	Senegal	n/a	n/a	n/a
50	Indonesia	0.08	1.76	0.16		n/a	Serbia	n/a	n/a	n/a
51	Algeria	0.08	1.54	0.14		n/a	Seychelles	n/a	n/a	n/a
52	Jordan	0.07	1.39	0.12	○	n/a	Slovakia	n/a	n/a	n/a
53	Kenya	0.07	1.32	0.10	○	n/a	Slovenia	n/a	n/a	n/a
54	Egypt	0.05	0.76	0.09	○	n/a	Sri Lanka	n/a	n/a	n/a
55	Morocco	0.04	0.61	0.07	○	n/a	Sudan	n/a	n/a	n/a
56	Nigeria	0.04	0.35	0.05		n/a	Swaziland	n/a	n/a	n/a
57	Viet Nam	0.03	0.24	0.03	○	n/a	Tajikistan	n/a	n/a	n/a
58	India	0.03	0.20	0.02	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a
59	Pakistan	0.02	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	Tunisia	n/a	n/a	n/a
n/a	Azerbaijan	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	Ukraine	n/a	n/a	n/a
n/a	Barbados	n/a	n/a	n/a		n/a	Uruguay	n/a	n/a	n/a
n/a	Belarus	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	Bulgaria	n/a	n/a	n/a						
n/a	Burkina Faso	n/a	n/a	n/a						

SOURCE: PwC's Global entertainment and media outlook, 2015–2019; United Nations, World Population Prospects: The 2012 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) | 2011

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Australia (2006)	6.11	100.00	0.96	●	73	Kyrgyzstan (2010)	1.02	14.78	0.26	
1	Greece (2007)	7.12	100.00	0.96	●	74	Lithuania	0.94	13.47	0.25	○
1	Hong Kong (China) (2004)	18.25	100.00	0.96	●	75	Indonesia	0.92	13.07	0.24	
1	Iceland (2006)	6.36	100.00	0.96	●	76	Singapore	0.90	12.69	0.23	○
1	Malta (2009)	36.18	100.00	0.96	●	77	Brazil	0.88	12.47	0.22	○
6	Panama (2005)	5.29	86.29	0.95	●	78	Malaysia (2010)	0.87	12.22	0.21	○
7	Lebanon (2007)	4.18	67.79	0.94	●	79	Hungary	0.84	11.80	0.20	○
8	Georgia	3.52	56.61	0.93	●	80	Morocco	0.84	11.68	0.19	○
9	Tanzania, United Rep. (2008)	3.41	54.87	0.92	●	81	Burundi (2010)	0.78	10.78	0.18	
10	Mauritius	3.22	51.58	0.91	●	82	Tunisia (2007)	0.72	9.67	0.16	○
11	Cyprus	3.12	49.99	0.90	●	83	Azerbaijan	0.71	9.59	0.15	
12	Mongolia	2.94	46.96	0.89	●	84	India (2010)	0.68	9.03	0.14	
13	Ethiopia (2009)	2.72	43.30	0.88	●	85	Kuwait	0.65	8.53	0.13	
14	Costa Rica	2.69	42.68	0.87	●	86	Egypt (2010)	0.64	8.46	0.12	○
15	Peru	2.66	42.23	0.86	●	87	Slovakia	0.64	8.38	0.11	○
16	TFYR of Macedonia	2.62	41.53	0.85	●	88	Mexico	0.57	7.22	0.10	○
17	Colombia	2.58	40.93	0.84	●	89	Tajikistan (2008)	0.56	7.04	0.09	
18	Israel (2010)	2.55	40.36	0.82		90	Korea, Rep. (2010)	0.53	6.47	0.08	○
19	South Africa (2010)	2.44	38.50	0.81	●	91	China	0.52	6.37	0.07	○
20	Moldova, Rep.	2.38	37.49	0.80	●	92	Oman (2010)	0.42	4.63	0.06	○
21	Latvia	2.33	36.74	0.79		93	Canada	0.40	4.37	0.05	○
22	Saudi Arabia (2009)	2.31	36.45	0.78		94	Yemen (2009)	0.37	3.94	0.04	
23	Japan (2010)	2.27	35.71	0.77		95	Philippines (2008)	0.36	3.74	0.03	○
24	Fiji (2010)	2.25	35.33	0.76	●	96	Pakistan (2006)	0.33	3.22	0.02	○
25	United Kingdom	2.23	35.03	0.75		97	Iran, Islamic Rep. (2010)	0.21	1.19	0.01	○
26	Estonia	2.15	33.77	0.74		98	Gambia (2004)	0.14	0.00	0.00	○
27	Madagascar (2006)	2.08	32.51	0.73	●	n/a	Albania	n/a	n/a	n/a	
28	New Zealand (2010)	1.98	30.90	0.72		n/a	Angola	n/a	n/a	n/a	
29	Slovenia	1.89	29.29	0.71		n/a	Argentina	n/a	n/a	n/a	
30	United States of America (2008)	1.88	29.24	0.70		n/a	Barbados	n/a	n/a	n/a	
31	Sri Lanka (2010)	1.82	28.14	0.69	●	n/a	Belarus	n/a	n/a	n/a	
32	Netherlands (2010)	1.81	28.05	0.68		n/a	Bhutan	n/a	n/a	n/a	
33	Norway (2010)	1.81	27.95	0.67		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
34	Kenya	1.76	27.12	0.66		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
35	Malawi (2010)	1.74	26.78	0.65	●	n/a	Botswana	n/a	n/a	n/a	
36	Kazakhstan (2007)	1.69	25.93	0.64		n/a	Burkina Faso	n/a	n/a	n/a	
37	Switzerland (2010)	1.67	25.64	0.63		n/a	Cabo Verde	n/a	n/a	n/a	
38	Serbia	1.67	25.61	0.62		n/a	Cambodia	n/a	n/a	n/a	
39	Nepal (2008)	1.65	25.39	0.61	●	n/a	Chile	n/a	n/a	n/a	
40	Ireland (2010)	1.60	24.55	0.60		n/a	Côte d'Ivoire	n/a	n/a	n/a	
41	Spain	1.58	24.18	0.59		n/a	Croatia	n/a	n/a	n/a	
42	Luxembourg (2009)	1.57	23.97	0.58		n/a	Dominican Republic	n/a	n/a	n/a	
43	Armenia	1.55	23.71	0.57		n/a	El Salvador	n/a	n/a	n/a	
44	Ecuador (2008)	1.55	23.68	0.56		n/a	Ghana	n/a	n/a	n/a	
45	Austria	1.52	23.09	0.55	○	n/a	Guatemala	n/a	n/a	n/a	
46	Bangladesh (2006)	1.50	22.84	0.54	●	n/a	Guinea	n/a	n/a	n/a	
47	Senegal (2010)	1.50	22.79	0.53		n/a	Guyana	n/a	n/a	n/a	
48	Ukraine	1.49	22.61	0.52		n/a	Honduras	n/a	n/a	n/a	
49	Jordan	1.48	22.52	0.51		n/a	Jamaica	n/a	n/a	n/a	
50	Italy (2010)	1.48	22.46	0.49		n/a	Lesotho	n/a	n/a	n/a	
51	Portugal	1.46	22.14	0.48		n/a	Mali	n/a	n/a	n/a	
52	Paraguay (2010)	1.43	21.59	0.47		n/a	Montenegro	n/a	n/a	n/a	
53	Denmark	1.40	21.07	0.46	○	n/a	Mozambique	n/a	n/a	n/a	
54	Belgium	1.37	20.58	0.45	○	n/a	Myanmar	n/a	n/a	n/a	
55	Sweden	1.36	20.50	0.44	○	n/a	Namibia	n/a	n/a	n/a	
56	France	1.32	19.81	0.43	○	n/a	Nicaragua	n/a	n/a	n/a	
57	Czech Republic (2010)	1.31	19.64	0.42		n/a	Niger	n/a	n/a	n/a	
58	Cameroon (2008)	1.28	19.19	0.41	●	n/a	Nigeria	n/a	n/a	n/a	
59	Viet Nam (2008)	1.25	18.67	0.40		n/a	Rwanda	n/a	n/a	n/a	
60	Finland	1.24	18.42	0.39	○	n/a	Seychelles	n/a	n/a	n/a	
61	Germany	1.21	17.95	0.38	○	n/a	Sudan	n/a	n/a	n/a	
62	Algeria (2008)	1.21	17.88	0.36		n/a	Swaziland	n/a	n/a	n/a	
62	Russian Federation	1.21	17.88	0.36		n/a	Togo	n/a	n/a	n/a	
64	Bulgaria	1.21	17.86	0.35		n/a	Uganda	n/a	n/a	n/a	
65	Uruguay (2009)	1.19	17.63	0.34		n/a	United Arab Emirates	n/a	n/a	n/a	
66	Qatar (2010)	1.18	17.40	0.33		n/a	Uzbekistan	n/a	n/a	n/a	
67	Thailand (2006)	1.14	16.79	0.32		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	Turkey (2009)	1.14	16.78	0.31		n/a	Zambia	n/a	n/a	n/a	
69	Romania	1.13	16.52	0.30		n/a	Zimbabwe	n/a	n/a	n/a	
70	Trinidad and Tobago (2006)	1.12	16.36	0.29							
71	Poland	1.08	15.82	0.28	○						
72	Bahrain (2010)	1.04	15.05	0.27							

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

NOTE: ● indicates a strength; ○ a weakness

7.2.5 Creative goods exports

Creative goods exports (% of total trade) | 2013

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	China	14.03	100.00	1.00	●	73	Nepal	0.26	8.04	0.43	●
2	Slovakia	10.48	89.87	0.99	●	74	Hong Kong (China)	0.23	7.38	0.43	○
3	Malaysia	10.29	89.23	0.98	●	75	Chile	0.23	7.35	0.42	
4	Czech Republic	10.06	88.48	0.98	●	76	Brazil	0.23	7.17	0.41	
5	Mexico	9.84	87.70	0.97	●	77	Botswana	0.19	6.11	0.40	
6	Thailand	9.26	85.63	0.96	●	78	Nigeria	0.19	5.99	0.39	
7	Hungary	6.22	72.45	0.95	●	79	Bosnia and Herzegovina	0.18	5.95	0.39	
8	Netherlands	5.61	69.17	0.94		80	TFYR of Macedonia	0.18	5.81	0.38	
9	Viet Nam	5.05	65.83	0.94	●	81	Luxembourg	0.18	5.78	0.37	
10	Singapore	5.05	65.83	0.93		82	Argentina	0.16	5.34	0.36	
11	Switzerland	4.04	58.99	0.92		83	Senegal (2012)	0.15	5.04	0.35	
12	Poland	3.89	57.92	0.91	●	84	Albania	0.15	4.91	0.35	
13	Latvia	3.11	51.38	0.91	●	85	Montenegro	0.14	4.66	0.34	
14	United Kingdom	2.83	48.82	0.90		86	Fiji	0.13	4.19	0.33	
15	Korea, Rep.	2.58	46.28	0.89		87	Burundi (2010)	0.12	3.95	0.32	
16	Tunisia	2.57	46.18	0.88	●	88	Saudi Arabia	0.12	3.84	0.31	○
17	Turkey	2.56	46.04	0.87	●	89	Nicaragua	0.11	3.61	0.31	
18	India	2.52	45.62	0.87	●	90	Madagascar (2012)	0.11	3.56	0.30	
19	Ireland	2.44	44.85	0.86		91	Honduras (2012)	0.09	3.15	0.29	
20	Japan	2.37	44.00	0.85		92	Iceland	0.09	3.00	0.28	○
21	Italy	2.23	42.49	0.84		93	Malawi (2011)	0.08	2.78	0.28	
22	Indonesia	1.91	38.61	0.83	●	94	Uruguay	0.08	2.64	0.27	
23	Belgium	1.82	37.45	0.83		95	Tanzania, United Rep.	0.07	2.48	0.26	
24	Sweden	1.79	37.02	0.82		96	Ghana	0.07	2.42	0.25	
25	Germany	1.76	36.67	0.81		97	United Arab Emirates (2008)	0.06	2.10	0.24	○
26	Guyana	1.69	35.76	0.80	●	98	Bangladesh (2011)	0.06	2.08	0.24	
27	France	1.69	35.75	0.80		99	Moldova, Rep.	0.06	2.02	0.23	○
28	Israel	1.68	35.53	0.79		100	Trinidad and Tobago (2010)	0.06	1.95	0.22	
29	United States of America	1.66	35.33	0.78		101	Zambia (2012)	0.06	1.90	0.21	
30	Denmark	1.65	35.13	0.77		102	Kyrgyzstan	0.06	1.90	0.20	
31	Portugal	1.58	34.15	0.76		103	Sudan (2012)	0.05	1.81	0.20	
32	Romania	1.49	32.87	0.76	●	104	Ecuador	0.05	1.77	0.19	
33	Lithuania	1.46	32.48	0.75		105	Mongolia	0.05	1.72	0.18	
34	Austria	1.43	31.97	0.74		106	Ethiopia	0.05	1.70	0.17	
35	Estonia	1.32	30.28	0.73		107	Jamaica	0.05	1.64	0.17	○
36	Dominican Republic	1.24	28.97	0.72	●	108	Georgia	0.04	1.41	0.16	○
37	Pakistan	1.15	27.45	0.72	●	109	Rwanda	0.03	1.10	0.15	
38	Bolivia, Plurinational St.	1.06	25.99	0.71	●	110	Uganda	0.03	1.06	0.14	
39	Canada	0.99	24.68	0.70		111	Myanmar (2010)	0.03	1.00	0.13	
40	Malta	0.94	23.72	0.69		112	Burkina Faso (2011)	0.03	0.86	0.13	
41	Spain	0.84	21.80	0.69		113	Paraguay	0.02	0.83	0.12	
42	El Salvador	0.83	21.58	0.68	●	114	Côte d'Ivoire (2012)	0.02	0.76	0.11	
43	Bulgaria	0.82	21.34	0.67		115	Togo (2011)	0.02	0.70	0.10	
44	Mauritius	0.79	20.90	0.66		116	Gambia	0.02	0.60	0.09	
45	Jordan	0.77	20.45	0.65		117	Mozambique	0.02	0.59	0.09	
46	Finland	0.73	19.63	0.65		118	Cyprus	0.02	0.55	0.08	○
47	South Africa	0.72	19.41	0.64		119	Oman	0.02	0.53	0.07	○
48	Serbia	0.72	19.38	0.63		120	Bhutan (2012)	0.01	0.33	0.06	
49	Slovenia	0.71	19.16	0.62		121	Qatar	0.01	0.29	0.06	○
50	Lebanon (2012)	0.69	18.79	0.61		122	Yemen	0.01	0.25	0.05	
51	Australia	0.63	17.40	0.61		123	Niger (2011)	0.01	0.19	0.04	
52	Costa Rica	0.60	16.77	0.60		124	Panama	0.01	0.18	0.03	○
53	Namibia	0.57	16.07	0.59		125	Azerbaijan	0.01	0.16	0.02	○
54	Egypt	0.57	16.01	0.58		126	Bahrain (2011)	0.01	0.15	0.02	○
55	Ukraine	0.57	16.01	0.57		127	Mali (2012)	0.00	0.13	0.01	○
56	Greece	0.56	15.86	0.57		128	Algeria	0.00	0.00	0.00	○
57	Iran, Islamic Rep. (2011)	0.54	15.26	0.56		n/a	Angola	n/a	n/a	n/a	
58	Armenia	0.52	14.99	0.55		n/a	Barbados	n/a	n/a	n/a	
59	Norway	0.52	14.91	0.54		n/a	Cabo Verde	n/a	n/a	n/a	
60	Croatia	0.47	13.77	0.54		n/a	Cameroon	n/a	n/a	n/a	
61	Cambodia	0.45	13.14	0.53	●	n/a	Guinea	n/a	n/a	n/a	
62	Russian Federation	0.43	12.72	0.52		n/a	Lesotho	n/a	n/a	n/a	
63	Guatemala	0.40	11.86	0.51		n/a	Morocco	n/a	n/a	n/a	
64	Sri Lanka	0.39	11.77	0.50		n/a	Philippines	n/a	n/a	n/a	
65	Belarus	0.39	11.72	0.50		n/a	Seychelles	n/a	n/a	n/a	
66	Kuwait	0.37	11.23	0.49		n/a	Swaziland	n/a	n/a	n/a	
67	Peru	0.33	9.98	0.48		n/a	Tajikistan	n/a	n/a	n/a	
68	Zimbabwe (2012)	0.31	9.59	0.47		n/a	Uzbekistan	n/a	n/a	n/a	
69	New Zealand	0.30	9.40	0.46	○	n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
70	Kazakhstan	0.29	8.96	0.46							
71	Kenya	0.28	8.66	0.45							
72	Colombia	0.27	8.33	0.44							

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

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) | 2014

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	●	73	Moldova, Rep.	1.33	1.33	0.49	
1	Luxembourg	100.00	100.00	0.98	●	74	Viet Nam	1.32	1.32	0.48	
1	Malta	46.14	46.14	0.97	●	75	Bosnia and Herzegovina	1.31	1.31	0.47	
1	Seychelles	100.00	100.00	0.98	●	76	Dominican Republic	1.31	1.31	0.46	
5	United States of America	100.00	100.00	0.98	●	77	El Salvador	1.30	1.30	0.46	
6	Canada	41.47	41.47	0.96	●	78	Cabo Verde	1.22	1.22	0.45	
7	Netherlands	41.35	41.35	0.96		79	Ecuador	1.17	1.17	0.44	
8	Cyprus	36.75	36.75	0.95	●	80	Oman	1.16	1.16	0.44	
9	Hong Kong (China)	36.51	36.51	0.94		81	Chile	1.15	1.15	0.43	
10	Australia	35.80	35.80	0.94		82	Bhutan	1.10	1.10	0.42	
11	Switzerland	34.78	34.78	0.93		83	Venezuela, Bolivarian Rep.	1.08	1.08	0.41	
12	United Kingdom	33.65	33.65	0.92		84	China	1.05	1.05	0.41	
13	Ireland	33.07	33.07	0.91		85	Jamaica	1.04	1.04	0.40	
14	Germany	29.40	29.40	0.91		86	Iran, Islamic Rep.	0.98	0.98	0.39	
15	Norway	28.90	28.90	0.90		87	Bolivia, Plurinational St.	0.96	0.96	0.39	
16	Panama	25.84	25.84	0.89	●	88	Belarus	0.94	0.94	0.38	
17	Denmark	25.40	25.40	0.89		89	Paraguay	0.89	0.89	0.37	
18	Sweden	23.20	23.20	0.88		90	Brazil	0.87	0.87	0.36	
19	France	21.57	21.57	0.87		91	Indonesia	0.86	0.86	0.36	
20	Austria	20.06	20.06	0.86		92	Morocco	0.85	0.85	0.35	
21	New Zealand	18.40	18.40	0.86		93	Georgia	0.84	0.84	0.34	
22	Finland	15.85	15.85	0.85		94	Montenegro	0.80	0.80	0.34	
23	Spain	14.68	14.68	0.84		95	Serbia	0.71	0.71	0.33	
24	Singapore	14.25	14.25	0.84		96	Egypt	0.70	0.70	0.32	
25	Israel	12.90	12.90	0.83		97	Guyana	0.68	0.68	0.31	
26	Belgium	11.91	11.91	0.82		98	Botswana	0.68	0.68	0.31	
27	Italy	11.90	11.90	0.81		99	Philippines	0.63	0.63	0.30	
28	Bulgaria	11.46	11.46	0.81	●	100	Azerbaijan	0.62	0.62	0.29	
29	Slovenia	11.11	11.11	0.80		101	Niger	0.59	0.59	0.29	
30	Portugal	9.59	9.59	0.79		102	Senegal	0.58	0.58	0.28	
31	Barbados	8.92	8.92	0.79		103	Kenya	0.58	0.58	0.27	
32	Czech Republic	8.71	8.71	0.78		104	India	0.53	0.53	0.26	
33	Japan	8.53	8.53	0.77		105	Cambodia	0.41	0.41	0.26	
34	Croatia	7.33	7.33	0.76	●	106	Sri Lanka	0.41	0.41	0.25	
35	Mauritius	6.86	6.86	0.76		107	Togo	0.36	0.36	0.24	
36	Turkey	6.80	6.80	0.75		108	Ghana	0.35	0.35	0.24	
37	Lithuania	6.49	6.49	0.74		109	Mongolia	0.34	0.34	0.23	
38	Greece	6.35	6.35	0.74		110	Honduras	0.34	0.34	0.22	
39	Costa Rica	5.91	5.91	0.73		111	Pakistan	0.32	0.32	0.21	
40	United Arab Emirates	5.83	5.83	0.72		112	Swaziland	0.30	0.30	0.21	
41	Hungary	5.44	5.44	0.71		113	Nigeria	0.29	0.29	0.20	
42	Kuwait	5.08	5.08	0.71	●	114	Côte d'Ivoire	0.29	0.29	0.19	
43	Estonia	5.00	5.00	0.70		115	Nepal	0.26	0.26	0.19	
44	Namibia	4.76	4.76	0.69	●	116	Algeria	0.25	0.25	0.18	
45	Latvia	4.58	4.58	0.69		117	Zimbabwe	0.22	0.22	0.17	
46	Korea, Rep.	4.39	4.39	0.68		118	Yemen	0.21	0.21	0.16	
47	Lebanon	4.16	4.16	0.67		119	Kazakhstan	0.19	0.19	0.16	○
48	Poland	3.79	3.79	0.66		120	Bangladesh	0.19	0.19	0.15	
49	Malaysia	3.49	3.49	0.66		121	Uganda	0.13	0.13	0.14	
50	Jordan	3.49	3.49	0.65		122	Kyrgyzstan	0.12	0.12	0.14	
51	Uruguay	3.44	3.44	0.64		123	Lesotho	0.11	0.11	0.13	
52	TFYR of Macedonia	3.33	3.33	0.64		124	Malawi	0.11	0.11	0.12	
53	Albania	3.12	3.12	0.63		125	Cameroon	0.10	0.10	0.11	
54	Bahrain	3.09	3.09	0.62		126	Tanzania, United Rep.	0.09	0.09	0.11	
55	Thailand	2.93	2.93	0.61		127	Mali	0.09	0.09	0.10	
56	Peru	2.61	2.61	0.61		128	Rwanda	0.08	0.08	0.09	○
57	Guatemala	2.49	2.49	0.60		129	Madagascar	0.07	0.07	0.09	
58	Trinidad and Tobago	2.42	2.42	0.59	●	130	Zambia	0.07	0.07	0.08	
59	Romania	2.39	2.39	0.59		131	Gambia	0.07	0.07	0.07	○
60	Ukraine	2.33	2.33	0.58		132	Burkina Faso	0.04	0.04	0.06	○
61	Qatar	2.25	2.25	0.57		133	Tajikistan	0.03	0.03	0.06	○
62	Saudi Arabia	1.78	1.78	0.56		134	Guinea	0.03	0.03	0.05	
63	South Africa	1.77	1.77	0.56		135	Sudan	0.03	0.03	0.04	
64	Russian Federation	1.74	1.74	0.55		136	Burundi	0.02	0.02	0.04	
65	Argentina	1.66	1.66	0.54		137	Mozambique	0.02	0.02	0.03	○
66	Slovakia	1.64	1.64	0.54		138	Myanmar	0.02	0.02	0.02	
67	Armenia	1.59	1.59	0.53		139	Ethiopia	0.00	0.00	0.01	○
68	Colombia	1.57	1.57	0.52		140	Angola	0.00	0.00	0.01	○
69	Fiji	1.54	1.54	0.51		141	Uzbekistan	0.00	0.00	0.00	○
70	Nicaragua	1.54	1.54	0.51	●						
71	Mexico	1.43	1.43	0.50							
72	Tunisia	1.43	1.43	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	Denmark	100.00	100.00	0.97	●	73	Costa Rica	0.81	0.81	0.49	
1	Germany	100.00	100.00	0.97	●	74	Bahrain	0.77	0.77	0.48	
1	Montenegro	100.00	100.00	0.97	●	75	Trinidad and Tobago	0.76	0.76	0.47	
1	Netherlands	100.00	100.00	0.97	●	76	Albania	0.74	0.74	0.46	
1	Switzerland	100.00	100.00	0.97	●	77	Barbados	0.71	0.71	0.46	
6	United Kingdom	42.30	42.30	0.96	●	78	Peru	0.71	0.71	0.45	
7	Iceland	38.99	38.99	0.96	●	79	Panama	0.67	0.67	0.44	
8	Luxembourg	38.44	38.44	0.95		80	Ecuador	0.65	0.65	0.44	
9	Austria	36.19	36.19	0.94	●	81	Dominican Republic	0.63	0.63	0.43	
10	Sweden	35.62	35.62	0.94		82	Paraguay	0.61	0.61	0.42	
11	Belgium	34.13	34.13	0.93	●	83	Jamaica	0.60	0.60	0.41	
12	New Zealand	33.16	33.16	0.92		84	Azerbaijan	0.59	0.59	0.41	
13	Norway	32.37	32.37	0.91		85	Cabo Verde	0.44	0.44	0.40	
14	Australia	30.98	30.98	0.91		86	Nepal	0.41	0.41	0.39	
15	Czech Republic	26.44	26.44	0.90	●	87	Bhutan	0.37	0.37	0.39	
16	Finland	16.69	16.69	0.89		88	Morocco	0.34	0.34	0.38	
17	Argentina	16.30	16.30	0.89	●	89	Nicaragua	0.33	0.33	0.37	
18	Portugal	16.17	16.17	0.88	●	90	Saudi Arabia	0.33	0.33	0.36	
19	Hungary	16.17	16.17	0.87	●	91	El Salvador	0.32	0.32	0.36	
20	Canada	15.96	15.96	0.86		92	India	0.32	0.32	0.35	
21	Poland	15.73	15.73	0.86	●	93	Kenya	0.28	0.28	0.34	
22	Estonia	15.63	15.63	0.85		94	Guatemala	0.28	0.28	0.34	
23	Slovakia	13.76	13.76	0.84	●	95	Bolivia, Plurinational St.	0.27	0.27	0.33	
24	Lithuania	13.65	13.65	0.84		96	Swaziland	0.27	0.27	0.32	
25	Latvia	13.57	13.57	0.83		97	Kuwait	0.26	0.26	0.31	
26	Slovenia	13.50	13.50	0.82		98	Kyrgyzstan	0.26	0.26	0.31	
27	Seychelles	11.53	11.53	0.81	●	99	Gambia	0.25	0.25	0.30	
28	Italy	11.47	11.47	0.81		100	Honduras	0.25	0.25	0.29	
29	France	11.44	11.44	0.80		101	Tajikistan	0.24	0.24	0.29	
30	Ireland	10.79	10.79	0.79		102	Thailand	0.22	0.22	0.28	
31	Greece	9.48	9.48	0.79		103	Philippines	0.20	0.20	0.27	
32	Spain	9.34	9.34	0.78		104	Cameroon	0.17	0.17	0.26	
33	Colombia	9.03	9.03	0.77		105	Uzbekistan	0.17	0.17	0.26	
34	Romania	8.33	8.33	0.76	●	106	Lebanon	0.17	0.17	0.25	
35	Russian Federation	8.17	8.17	0.76		107	Jordan	0.16	0.16	0.24	○
36	Israel	8.09	8.09	0.75		108	Indonesia	0.13	0.13	0.24	
37	Singapore	7.08	7.08	0.74		109	Tunisia	0.12	0.12	0.23	
38	Chile	6.58	6.58	0.74		110	Sri Lanka	0.10	0.10	0.22	
39	Uruguay	5.45	5.45	0.73		111	Oman	0.09	0.09	0.21	
40	Croatia	5.02	5.02	0.72		112	Senegal	0.08	0.08	0.21	
41	South Africa	4.97	4.97	0.71		113	Lesotho	0.08	0.08	0.20	
42	Hong Kong (China)	4.60	4.60	0.71		114	Côte d'Ivoire	0.07	0.07	0.19	
43	Brazil	4.36	4.36	0.70		115	Pakistan	0.07	0.07	0.19	
44	Korea, Rep.	4.32	4.32	0.69		116	Nigeria	0.06	0.06	0.18	
45	Malta	3.45	3.45	0.69		117	Tanzania, United Rep.	0.06	0.06	0.17	
46	Ukraine	3.44	3.44	0.68		118	Burundi	0.06	0.06	0.16	
47	Belarus	3.08	3.08	0.67		119	Mozambique	0.05	0.05	0.16	
48	Japan	2.85	2.85	0.66		120	Malawi	0.05	0.05	0.15	
49	Cyprus	2.70	2.70	0.66		121	Algeria	0.04	0.04	0.14	
50	United Arab Emirates	2.55	2.55	0.65		122	Guinea	0.03	0.03	0.14	
51	Venezuela, Bolivarian Rep.	2.31	2.31	0.64	●	123	Uganda	0.03	0.03	0.13	
52	Malaysia	2.25	2.25	0.64		124	Cambodia	0.03	0.03	0.12	
53	Serbia	2.15	2.15	0.63		125	Zimbabwe	0.03	0.03	0.11	
54	China	1.89	1.89	0.62		126	Madagascar	0.03	0.03	0.11	
55	Kazakhstan	1.87	1.87	0.61		127	Namibia	0.03	0.03	0.10	○
56	Iran, Islamic Rep.	1.86	1.86	0.61		128	Rwanda	0.02	0.02	0.09	○
57	Armenia	1.85	1.85	0.60		129	Burkina Faso	0.02	0.02	0.09	
58	Qatar	1.75	1.75	0.59		130	Egypt	0.02	0.02	0.08	○
59	Moldova, Rep.	1.69	1.69	0.59		131	Yemen	0.01	0.01	0.07	
60	Mexico	1.54	1.54	0.58		132	Bangladesh	0.01	0.01	0.06	
61	Viet Nam	1.49	1.49	0.57		133	Angola	0.01	0.01	0.06	
62	Mauritius	1.42	1.42	0.56		134	Ethiopia	0.00	0.00	0.05	
63	United States of America	1.38	1.38	0.56		135	Myanmar	0.00	0.00	0.04	
64	Turkey	1.22	1.22	0.55		136	Sudan	0.00	0.00	0.04	
65	Bulgaria	1.20	1.20	0.54		137	Niger	0.00	0.00	0.03	○
66	Georgia	1.19	1.19	0.54		138	Zambia	0.00	0.00	0.02	○
67	Fiji	1.16	1.16	0.53		139	Ghana	0.00	0.00	0.01	○
68	Bosnia and Herzegovina	1.04	1.04	0.52		140	Mali	0.00	0.00	0.01	○
69	Guyana	1.02	1.02	0.51		141	Togo	0.00	0.00	0.00	○
70	Botswana	0.94	0.94	0.51							
71	Mongolia	0.88	0.88	0.50							
72	TFYR of Macedonia	0.81	0.81	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) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Iceland	13,529.16	100.00	1.00	●	73	Jordan	1,037.91	7.64	0.49	
2	Hong Kong (China)	11,073.54	81.84	0.99	●	74	Mauritius	998.83	7.35	0.48	
3	Ireland	9,744.51	72.01	0.99	●	75	Mongolia	984.67	7.24	0.47	
4	United Kingdom	9,652.35	71.33	0.98	●	76	Brazil	971.19	7.14	0.46	
5	Malta	9,424.37	69.65	0.97	●	77	Thailand	944.02	6.94	0.46	
6	Netherlands	9,406.73	69.52	0.96	●	78	Romania	934.51	6.87	0.45	
7	Finland	8,836.02	65.30	0.96		79	El Salvador	921.31	6.77	0.44	
8	Israel	7,906.33	58.42	0.95		80	Kazakhstan	919.66	6.76	0.44	
9	Australia	7,868.46	58.14	0.94		81	Lebanon	876.27	6.44	0.43	
10	New Zealand	7,816.31	57.76	0.94		82	Paraguay	872.44	6.41	0.42	
11	Estonia	7,671.34	56.69	0.93	●	83	Moldova, Rep.	812.65	5.97	0.41	
12	Sweden	7,625.05	56.34	0.92		84	Turkey	793.91	5.83	0.41	
13	Italy	7,569.56	55.93	0.91	●	85	Jamaica	779.80	5.73	0.40	
14	Luxembourg	7,322.33	54.10	0.91		86	Honduras	777.82	5.71	0.39	
15	Norway	7,232.92	53.44	0.90		87	Guatemala	774.87	5.69	0.39	
16	Canada	7,167.23	52.96	0.89		88	Nicaragua	691.17	5.07	0.38	
17	Belgium	6,650.74	49.14	0.89		89	Oman	637.37	4.67	0.37	
18	Uruguay	6,005.16	44.36	0.88	●	90	Paraguay, Plurinational St.	590.48	4.33	0.36	
19	Germany	5,952.06	43.97	0.87		91	Sri Lanka	536.61	3.93	0.36	
20	Spain	5,678.19	41.95	0.86		92	Tunisia	499.87	3.66	0.35	
21	Chile	5,520.35	40.78	0.86	●	93	Seychelles	473.18	3.46	0.34	
22	Cyprus	5,408.77	39.95	0.85		94	Egypt	439.07	3.21	0.34	
23	Denmark	5,288.93	39.07	0.84		95	Algeria	399.68	2.92	0.33	
24	Montenegro	5,218.33	38.55	0.84	●	96	Morocco	390.44	2.85	0.32	
25	United States of America	5,148.43	38.03	0.83		97	Guyana	373.44	2.72	0.31	
26	Austria	4,879.46	36.04	0.82		98	South Africa	363.80	2.65	0.31	
27	France	4,814.47	35.56	0.81		99	Kyrgyzstan	332.09	2.42	0.30	
28	Bulgaria	4,772.61	35.25	0.81	●	100	Cabo Verde	299.78	2.18	0.29	
29	Serbia	4,693.03	34.66	0.80	●	101	Viet Nam	267.66	1.94	0.29	
30	Armenia	4,651.34	34.35	0.79	●	102	India	264.59	1.92	0.28	
31	Greece	4,568.81	33.74	0.79		103	Indonesia	260.62	1.89	0.27	
32	Switzerland	4,555.61	33.65	0.78		104	Pakistan	244.77	1.77	0.26	
33	Korea, Rep.	4,407.70	32.55	0.77		105	Botswana	240.54	1.74	0.26	
34	Bosnia and Herzegovina	3,913.21	28.90	0.76	●	106	Namibia	224.05	1.62	0.25	
35	Argentina	3,777.59	27.89	0.76	●	107	Nepal	218.24	1.57	0.24	
36	Lithuania	3,619.07	26.72	0.75		108	Cambodia	202.64	1.46	0.24	
37	Croatia	3,562.67	26.30	0.74		109	Bhutan	178.93	1.28	0.23	
38	Slovakia	3,369.56	24.88	0.74		110	China	149.78	1.07	0.22	
39	Slovenia	3,298.34	24.35	0.73		111	Bangladesh	121.58	0.86	0.21	
40	Japan	3,292.10	24.30	0.72		112	Yemen	117.46	0.83	0.21	
41	Czech Republic	3,275.29	24.18	0.71		113	Kenya	107.00	0.75	0.20	
42	Portugal	3,156.39	23.30	0.71		114	Ghana	101.69	0.71	0.19	
43	TFYR of Macedonia	3,131.69	23.12	0.70		115	Tajikistan	97.53	0.68	0.19	
44	Latvia	3,087.05	22.79	0.69		116	Zimbabwe	86.16	0.60	0.18	
45	Hungary	2,890.88	21.34	0.69		117	Swaziland	64.00	0.43	0.17	
46	Poland	2,614.24	19.29	0.68		118	Angola	58.50	0.39	0.16	
47	Albania	2,576.69	19.01	0.67		119	Senegal	51.45	0.34	0.16	
48	Singapore	2,562.14	18.91	0.66		120	Uzbekistan	49.99	0.33	0.15	
49	Colombia	2,259.65	16.67	0.66		121	Gambia	49.66	0.33	0.14	
50	Costa Rica	2,245.22	16.56	0.65		122	Sudan	48.87	0.32	0.14	
51	Barbados	2,125.34	15.68	0.64		123	Uganda	46.51	0.30	0.13	
52	Iran, Islamic Rep.	2,091.36	15.42	0.64	●	124	Zambia	44.34	0.29	0.12	
53	Qatar	2,058.25	15.18	0.63		125	Tanzania, United Rep.	38.61	0.25	0.11	
54	Peru	1,929.56	14.23	0.62		126	Rwanda	38.57	0.25	0.11	
55	United Arab Emirates	1,889.24	13.93	0.61		127	Lesotho	37.25	0.24	0.10	
56	Fiji	1,885.38	13.90	0.61	●	128	Nigeria	36.19	0.23	0.09	
57	Belarus	1,864.61	13.75	0.60		129	Mozambique	27.50	0.16	0.09	
58	Ecuador	1,804.13	13.30	0.59	●	130	Cameroon	27.50	0.16	0.08	○
59	Azerbaijan	1,709.38	12.60	0.59		131	Ethiopia	23.93	0.14	0.07	
60	Malaysia	1,677.11	12.36	0.58		132	Côte d'Ivoire	23.74	0.14	0.06	○
61	Venezuela, Bolivarian Rep.	1,623.93	11.97	0.57		133	Myanmar	21.06	0.12	0.06	
62	Georgia	1,586.93	11.69	0.56		134	Madagascar	16.14	0.08	0.05	○
63	Russian Federation	1,568.96	11.56	0.56		135	Malawi	14.19	0.07	0.04	○
64	Bahrain	1,547.68	11.40	0.55		136	Togo	13.60	0.06	0.04	○
65	Mexico	1,479.01	10.90	0.54		137	Mali	12.71	0.05	0.03	○
66	Ukraine	1,472.06	10.85	0.54		138	Burkina Faso	8.72	0.02	0.02	○
67	Saudi Arabia	1,469.75	10.83	0.53		139	Burundi	7.62	0.02	0.01	○
68	Kuwait	1,452.23	10.70	0.52		140	Guinea	5.62	0.00	0.01	○
69	Panama	1,416.52	10.43	0.51		141	Niger	5.34	0.00	0.00	○
70	Trinidad and Tobago	1,399.14	10.31	0.51							
71	Philippines	1,298.29	9.56	0.50							
72	Dominican Republic	1,155.11	8.50	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	●	73	Uganda	13.38	13.38	0.01	○
2	Israel	95.49	95.49	0.99	●	74	Nigeria	0.00	0.00	0.00	○
3	Netherlands	95.34	95.34	0.97	●	n/a	Albania	n/a	n/a	n/a	
4	United Kingdom	94.74	94.74	0.96		n/a	Angola	n/a	n/a	n/a	
5	Hong Kong (China)	94.14	94.14	0.95		n/a	Armenia	n/a	n/a	n/a	
6	Canada	93.53	93.53	0.93		n/a	Azerbaijan	n/a	n/a	n/a	
7	Estonia	93.38	93.38	0.92	●	n/a	Bangladesh	n/a	n/a	n/a	
8	Denmark	92.48	92.48	0.89		n/a	Barbados	n/a	n/a	n/a	
8	Singapore	92.48	92.48	0.89		n/a	Belarus	n/a	n/a	n/a	
10	Latvia	92.18	92.18	0.88	●	n/a	Bhutan	n/a	n/a	n/a	
11	Finland	92.03	92.03	0.86		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
12	Switzerland	91.73	91.73	0.85		n/a	Botswana	n/a	n/a	n/a	
13	Sweden	91.43	91.43	0.84		n/a	Burkina Faso	n/a	n/a	n/a	
14	Ireland	89.77	89.77	0.82		n/a	Burundi	n/a	n/a	n/a	
15	New Zealand	89.17	89.17	0.81		n/a	Cabo Verde	n/a	n/a	n/a	
16	Czech Republic	89.02	89.02	0.79		n/a	Cambodia	n/a	n/a	n/a	
17	Australia	88.57	88.57	0.78		n/a	Cameroon	n/a	n/a	n/a	
18	Norway	87.97	87.97	0.77		n/a	China	n/a	n/a	n/a	
19	Spain	87.82	87.82	0.75		n/a	Costa Rica	n/a	n/a	n/a	
20	Hungary	87.07	87.07	0.74		n/a	Côte d'Ivoire	n/a	n/a	n/a	
21	France	86.47	86.47	0.71		n/a	Cyprus	n/a	n/a	n/a	
21	Korea, Rep.	86.47	86.47	0.71		n/a	Dominican Republic	n/a	n/a	n/a	
23	Belgium	86.02	86.02	0.70		n/a	Ecuador	n/a	n/a	n/a	
24	Portugal	84.96	84.96	0.68		n/a	El Salvador	n/a	n/a	n/a	
25	Lithuania	84.81	84.81	0.67		n/a	Ethiopia	n/a	n/a	n/a	
26	Greece	84.66	84.66	0.66		n/a	Fiji	n/a	n/a	n/a	
27	Germany	83.61	83.61	0.64		n/a	Gambia	n/a	n/a	n/a	
28	Japan	82.71	82.71	0.63		n/a	Georgia	n/a	n/a	n/a	
29	Poland	82.41	82.41	0.62		n/a	Guatemala	n/a	n/a	n/a	
30	Austria	81.80	81.80	0.60	○	n/a	Guinea	n/a	n/a	n/a	
31	Argentina	81.20	81.20	0.58		n/a	Guyana	n/a	n/a	n/a	
31	Slovenia	81.20	81.20	0.58		n/a	Honduras	n/a	n/a	n/a	
33	Italy	80.90	80.90	0.56		n/a	Iceland	n/a	n/a	n/a	
34	Chile	80.15	80.15	0.55		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
35	Romania	79.10	79.10	0.53		n/a	Jamaica	n/a	n/a	n/a	
36	Slovakia	78.80	78.80	0.52		n/a	Kazakhstan	n/a	n/a	n/a	
37	Russian Federation	78.65	78.65	0.49		n/a	Kyrgyzstan	n/a	n/a	n/a	
37	Ukraine	78.65	78.65	0.49		n/a	Lesotho	n/a	n/a	n/a	
39	Saudi Arabia	78.50	78.50	0.48		n/a	Luxembourg	n/a	n/a	n/a	
40	Kuwait	78.05	78.05	0.47		n/a	Madagascar	n/a	n/a	n/a	
41	Bulgaria	77.44	77.44	0.45		n/a	Malawi	n/a	n/a	n/a	
42	Croatia	76.69	76.69	0.44		n/a	Mali	n/a	n/a	n/a	
43	Brazil	76.24	76.24	0.42		n/a	Malta	n/a	n/a	n/a	
44	Bahrain	75.94	75.94	0.40		n/a	Mauritius	n/a	n/a	n/a	
44	United Arab Emirates	75.94	75.94	0.40		n/a	Moldova, Rep.	n/a	n/a	n/a	
46	Serbia	74.89	74.89	0.38		n/a	Mongolia	n/a	n/a	n/a	
47	Morocco	74.14	74.14	0.37		n/a	Mozambique	n/a	n/a	n/a	
48	Mexico	73.68	73.68	0.33		n/a	Myanmar	n/a	n/a	n/a	
48	Peru	73.68	73.68	0.33		n/a	Namibia	n/a	n/a	n/a	
48	TFYR of Macedonia	73.68	73.68	0.33		n/a	Nepal	n/a	n/a	n/a	
51	Bosnia and Herzegovina	73.38	73.38	0.32		n/a	Nicaragua	n/a	n/a	n/a	
52	Montenegro	73.08	73.08	0.30	○	n/a	Niger	n/a	n/a	n/a	
53	Qatar	72.63	72.63	0.29		n/a	Pakistan	n/a	n/a	n/a	
54	Thailand	72.48	72.48	0.27		n/a	Panama	n/a	n/a	n/a	
55	Colombia	72.18	72.18	0.26		n/a	Paraguay	n/a	n/a	n/a	
56	Malaysia	69.62	69.62	0.25	○	n/a	Rwanda	n/a	n/a	n/a	
57	Viet Nam	68.87	68.87	0.23		n/a	Seychelles	n/a	n/a	n/a	
58	Turkey	68.57	68.57	0.22		n/a	Sri Lanka	n/a	n/a	n/a	
59	Lebanon	67.07	67.07	0.21		n/a	Sudan	n/a	n/a	n/a	
60	Philippines	62.86	62.86	0.19		n/a	Swaziland	n/a	n/a	n/a	
61	Egypt	62.56	62.56	0.16		n/a	Tajikistan	n/a	n/a	n/a	
61	Jordan	62.56	62.56	0.16	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a	
63	Tunisia	58.95	58.95	0.15	○	n/a	Togo	n/a	n/a	n/a	
64	Oman	56.69	56.69	0.14	○	n/a	Trinidad and Tobago	n/a	n/a	n/a	
65	Indonesia	55.49	55.49	0.12		n/a	Uruguay	n/a	n/a	n/a	
66	Algeria	48.72	48.72	0.11		n/a	Uzbekistan	n/a	n/a	n/a	
67	South Africa	45.86	45.86	0.10	○	n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
68	India	37.29	37.29	0.08	○	n/a	Zambia	n/a	n/a	n/a	
69	Senegal	36.84	36.84	0.07	○	n/a	Zimbabwe	n/a	n/a	n/a	
70	Yemen	36.54	36.54	0.05							
71	Kenya	29.17	29.17	0.04	○						
72	Ghana	25.26	25.26	0.03	○						

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

NOTE: ● indicates a strength; ○ a weakness