

Appendix II

Data Tables

Data Tables

This appendix provides tables for each of the 82 indicators that make up the Global Innovation Index 2016.

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 2006–15 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 58 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

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, 2, and 3, as well as all scores with percent ranks greater than the 10th highest percent rank among the 82 indicators in a specific economy.
- Weaknesses (○) are all scores with percent ranks lower than the 10th smallest percent rank among the 82 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, 2.3.4, 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.

1.3.2 Ease of resolving insolvency
Ease of resolving insolvency (distance to frontier) | 2015

Rank	Country/Economy	Score	Score 0–100	Percent rank	Rank	Country/Economy	Score	Score 0–100	Percent rank
1	Algeria	45.00	45.00	1.00	61	Algeria	45.00	45.00	1.00
2	Algeria	45.00	45.00	1.00	62	Algeria	45.00	45.00	1.00
3	Algeria	45.00	45.00	1.00	63	Algeria	45.00	45.00	1.00
4	Algeria	45.00	45.00	1.00	64	Algeria	45.00	45.00	1.00
5	Algeria	45.00	45.00	1.00	65	Algeria	45.00	45.00	1.00
6	Algeria	45.00	45.00	1.00	66	Algeria	45.00	45.00	1.00
7	Algeria	45.00	45.00	1.00	67	Algeria	45.00	45.00	1.00
8	Algeria	45.00	45.00	1.00	68	Algeria	45.00	45.00	1.00
9	Algeria	45.00	45.00	1.00	69	Algeria	45.00	45.00	1.00
10	Algeria	45.00	45.00	1.00	70	Algeria	45.00	45.00	1.00
11	Algeria	45.00	45.00	1.00	71	Algeria	45.00	45.00	1.00
12	Algeria	45.00	45.00	1.00	72	Algeria	45.00	45.00	1.00
13	Algeria	45.00	45.00	1.00	73	Algeria	45.00	45.00	1.00
14	Algeria	45.00	45.00	1.00	74	Algeria	45.00	45.00	1.00
15	Algeria	45.00	45.00	1.00	75	Algeria	45.00	45.00	1.00
16	Algeria	45.00	45.00	1.00	76	Algeria	45.00	45.00	1.00
17	Algeria	45.00	45.00	1.00	77	Algeria	45.00	45.00	1.00
18	Algeria	45.00	45.00	1.00	78	Algeria	45.00	45.00	1.00
19	Algeria	45.00	45.00	1.00	79	Algeria	45.00	45.00	1.00
20	Algeria	45.00	45.00	1.00	80	Algeria	45.00	45.00	1.00
21	Algeria	45.00	45.00	1.00	81	Algeria	45.00	45.00	1.00
22	Algeria	45.00	45.00	1.00	82	Algeria	45.00	45.00	1.00
23	Algeria	45.00	45.00	1.00	83	Algeria	45.00	45.00	1.00
24	Algeria	45.00	45.00	1.00	84	Algeria	45.00	45.00	1.00
25	Algeria	45.00	45.00	1.00	85	Algeria	45.00	45.00	1.00
26	Algeria	45.00	45.00	1.00	86	Algeria	45.00	45.00	1.00
27	Algeria	45.00	45.00	1.00	87	Algeria	45.00	45.00	1.00
28	Algeria	45.00	45.00	1.00	88	Algeria	45.00	45.00	1.00
29	Algeria	45.00	45.00	1.00	89	Algeria	45.00	45.00	1.00
30	Algeria	45.00	45.00	1.00	90	Algeria	45.00	45.00	1.00
31	Algeria	45.00	45.00	1.00	91	Algeria	45.00	45.00	1.00
32	Algeria	45.00	45.00	1.00	92	Algeria	45.00	45.00	1.00
33	Algeria	45.00	45.00	1.00	93	Algeria	45.00	45.00	1.00
34	Algeria	45.00	45.00	1.00	94	Algeria	45.00	45.00	1.00
35	Algeria	45.00	45.00	1.00	95	Algeria	45.00	45.00	1.00
36	Algeria	45.00	45.00	1.00	96	Algeria	45.00	45.00	1.00
37	Algeria	45.00	45.00	1.00	97	Algeria	45.00	45.00	1.00
38	Algeria	45.00	45.00	1.00	98	Algeria	45.00	45.00	1.00
39	Algeria	45.00	45.00	1.00	99	Algeria	45.00	45.00	1.00
40	Algeria	45.00	45.00	1.00	100	Algeria	45.00	45.00	1.00

Source: World Bank, Doing Business, Indicators: Insolvency Quality and Efficiency. Data are the most recent available.

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 come 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	1.49	100.00	1.00	●	65	Greece	0.02	63.46	0.50	
2	Luxembourg	1.39	97.43	0.99	●	66	Viet Nam	0.00	62.78	0.49	
3	Austria	1.29	95.05	0.98	●	67	Ecuador	−0.01	62.62	0.48	
4	Finland	1.28	94.80	0.98		68	Brazil	−0.01	62.51	0.47	
5	Switzerland	1.24	93.81	0.97		69	Cambodia	−0.04	61.86	0.46	
6	Iceland	1.24	93.74	0.96	●	70	Nicaragua	−0.05	61.69	0.46	
7	Singapore	1.23	93.36	0.95		71	Bosnia and Herzegovina	−0.06	61.29	0.45	
8	Canada	1.18	92.12	0.94	●	72	South Africa	−0.08	60.98	0.44	
9	Norway	1.13	91.02	0.94		73	Rwanda	−0.10	60.37	0.43	
10	Hong Kong (China)	1.13	90.90	0.93		74	Moldova, Rep.	−0.10	60.34	0.43	
11	Malta	1.11	90.59	0.92		75	Senegal	−0.13	59.69	0.42	
12	Australia	1.08	89.77	0.91		76	Ghana	−0.13	59.63	0.41	
13	Sweden	1.07	89.59	0.91		77	El Salvador	−0.15	59.14	0.40	
14	Ireland	1.07	89.39	0.90		78	Togo	−0.16	58.77	0.39	●
15	Netherlands	1.05	88.86	0.89		79	Paraguay	−0.20	57.86	0.39	
16	Botswana	1.02	88.28	0.88	●	80	Armenia	−0.21	57.75	0.38	
17	Slovakia	1.02	88.25	0.87	●	81	Georgia	−0.23	57.05	0.37	
18	Japan	1.02	88.24	0.87		82	Saudi Arabia	−0.24	56.94	0.36	
19	Uruguay	1.00	87.73	0.86	●	83	Sri Lanka	−0.25	56.63	0.35	
20	Qatar	1.00	87.72	0.85		84	Mozambique	−0.35	54.13	0.35	
21	Bhutan	1.00	87.64	0.84	●	85	Bolivia, Plurinational St.	−0.36	53.90	0.34	
22	Czech Republic	0.97	86.91	0.83		86	Indonesia	−0.37	53.68	0.33	
23	Denmark	0.94	86.33	0.83		87	Morocco	−0.39	53.04	0.32	
24	Germany	0.93	86.11	0.82		88	China	−0.46	51.34	0.31	
25	Mongolia	0.87	84.39	0.81		89	Azerbaijan	−0.50	50.37	0.31	
26	Poland	0.87	84.39	0.80	●	90	Honduras	−0.51	50.05	0.30	
27	United Arab Emirates	0.81	83.13	0.80		91	Peru	−0.52	49.87	0.29	
28	Slovenia	0.79	82.59	0.79		92	Tanzania, United Rep.	−0.54	49.51	0.28	
29	Portugal	0.79	82.58	0.78		93	Madagascar	−0.54	49.31	0.28	
30	Lithuania	0.78	82.38	0.77		94	Jordan	−0.56	48.94	0.27	
31	Estonia	0.76	81.77	0.76		95	Guatemala	−0.64	46.89	0.26	
32	Mauritius	0.74	81.20	0.76		96	Tajikistan	−0.68	46.00	0.25	
33	Belgium	0.71	80.63	0.75		97	Philippines	−0.70	45.38	0.24	
34	Hungary	0.70	80.29	0.74		98	Nepal	−0.70	45.35	0.24	
35	Cyprus	0.69	79.93	0.73		99	Mexico	−0.76	44.00	0.23	
36	Oman	0.66	79.25	0.72	●	100	Kyrgyzstan	−0.78	43.33	0.22	
37	Costa Rica	0.63	78.55	0.72		101	Burkina Faso	−0.79	43.26	0.21	
38	United States of America	0.62	78.29	0.71		102	Venezuela, Bolivarian Rep.	−0.83	42.33	0.20	
39	Namibia	0.62	78.21	0.70	●	103	Russian Federation	−0.84	41.95	0.20	○
40	Croatia	0.60	77.81	0.69		104	Bangladesh	−0.88	41.06	0.19	
41	Latvia	0.55	76.66	0.69		105	Burundi	−0.89	40.63	0.18	
42	Italy	0.50	75.25	0.68		106	Iran, Islamic Rep.	−0.91	40.28	0.17	
43	Chile	0.49	75.15	0.67		107	Thailand	−0.91	40.27	0.17	○
44	Albania	0.47	74.63	0.66		108	Uganda	−0.93	39.74	0.16	
45	United Kingdom	0.44	73.81	0.65	○	109	Guinea	−0.93	39.70	0.15	
46	France	0.36	71.71	0.65		110	Tunisia	−0.93	39.64	0.14	○
47	Malaysia	0.34	71.31	0.64		111	Bahrain	−0.94	39.44	0.13	○
48	Spain	0.32	70.73	0.63		112	Cameroon	−0.94	39.36	0.13	
49	TFYR of Macedonia	0.25	69.05	0.62		113	India	−0.96	38.95	0.12	○
50	Montenegro	0.24	68.71	0.61		114	Israel	−0.99	38.14	0.11	○
51	Zambia	0.21	67.97	0.61	●	115	Côte d'Ivoire	−1.01	37.64	0.10	
52	Dominican Republic	0.19	67.53	0.60	●	116	Turkey	−1.06	36.51	0.09	○
53	Korea, Rep.	0.19	67.49	0.59		117	Colombia	−1.12	34.98	0.09	○
54	Serbia	0.18	67.32	0.58		118	Algeria	−1.17	33.72	0.08	
55	Kuwait	0.14	66.24	0.57		119	Ethiopia	−1.24	32.01	0.07	
56	Belarus	0.12	65.93	0.57		120	Niger	−1.27	31.34	0.06	
57	Malawi	0.12	65.81	0.56	●	121	Kenya	−1.27	31.30	0.06	○
58	Panama	0.10	65.26	0.55		122	Egypt	−1.58	23.49	0.05	○
59	Jamaica	0.09	65.05	0.54		123	Lebanon	−1.72	20.04	0.04	○
60	Bulgaria	0.08	64.89	0.54		124	Mali	−1.74	19.62	0.03	○
61	Romania	0.08	64.78	0.53		125	Ukraine	−1.93	14.88	0.02	○
62	Argentina	0.08	64.73	0.52		126	Nigeria	−2.11	10.47	0.02	○
63	Kazakhstan	0.05	64.19	0.51		127	Pakistan	−2.44	2.27	0.01	○
64	Benin	0.05	64.09	0.50		128	Yemen	−2.53	0.00	0.00	○

SOURCE: World Bank, *World Governance Indicators 2015*

NOTE: ● indicates a strength; ○ a weakness

1.1.2 Government effectiveness

Government effectiveness index | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Singapore	2.19	100.00	1.00	●	65	Bulgaria	–0.09	41.55	0.50	
2	Switzerland	2.13	98.17	0.99	●	66	Sri Lanka	–0.09	41.51	0.49	
3	Finland	2.02	95.06	0.98	●	67	Rwanda	–0.02	39.73	0.48	
4	New Zealand	1.93	92.63	0.98	●	68	Romania	–0.00	38.95	0.47	
5	Hong Kong (China)	1.84	90.16	0.97		69	Indonesia	–0.01	38.74	0.46	
6	Netherlands	1.83	89.87	0.96	●	70	Kazakhstan	–0.02	38.62	0.46	
7	Japan	1.82	89.58	0.95	●	71	El Salvador	–0.02	38.44	0.45	
8	Norway	1.81	89.33	0.94		72	Viet Nam	–0.06	37.32	0.44	
9	Denmark	1.81	89.24	0.94		73	Albania	–0.07	37.08	0.43	
10	Sweden	1.79	88.75	0.93		74	Russian Federation	–0.08	36.87	0.43	
11	Canada	1.76	87.94	0.92		75	Colombia	–0.11	36.03	0.42	
12	Germany	1.73	87.16	0.91		76	Tunisia	–0.13	35.48	0.41	
13	Luxembourg	1.66	85.04	0.91		77	Morocco	–0.14	35.21	0.40	
14	United Kingdom	1.62	83.95	0.90		78	Kuwait	–0.15	34.94	0.39	
15	Ireland	1.60	83.50	0.89		79	Brazil	–0.15	34.75	0.39	
16	Australia	1.59	83.24	0.88		80	Armenia	–0.17	34.34	0.38	
17	Austria	1.57	82.62	0.87		81	Argentina	–0.18	33.99	0.37	
18	Iceland	1.50	80.61	0.87		82	India	–0.20	33.37	0.36	
19	United Arab Emirates	1.48	80.09	0.86		83	Ghana	–0.27	31.45	0.35	
20	United States of America	1.46	79.54	0.85		84	Peru	–0.28	31.36	0.35	
21	France	1.40	78.03	0.84		85	Kenya	–0.30	30.60	0.34	
22	Belgium	1.40	77.92	0.83		86	Azerbaijan	–0.34	29.63	0.33	
23	Korea, Rep.	1.18	71.74	0.83		87	Lebanon	–0.38	28.63	0.32	
24	Israel	1.16	71.24	0.82		88	Ukraine	–0.38	28.50	0.31	
25	Spain	1.15	71.11	0.81		89	Moldova, Rep.	–0.38	28.44	0.31	
26	Chile	1.14	70.78	0.80		90	Senegal	–0.39	28.18	0.30	
27	Malaysia	1.14	70.71	0.80		91	Uganda	–0.40	27.97	0.29	
28	Cyprus	1.14	70.60	0.79		92	Iran, Islamic Rep.	–0.41	27.63	0.28	
29	Mauritius	1.13	70.47	0.78	●	93	Mongolia	–0.41	27.52	0.28	
30	Estonia	1.05	68.12	0.77		94	Dominican Republic	–0.43	27.10	0.27	
31	Malta	1.03	67.57	0.76		95	Bosnia and Herzegovina	–0.47	26.09	0.26	
32	Czech Republic	1.02	67.47	0.76		96	Zambia	–0.47	26.03	0.25	
33	Portugal	1.01	67.11	0.75		97	Ethiopia	–0.47	25.99	0.24	
34	Slovenia	1.01	67.07	0.74		98	Belarus	–0.50	25.27	0.24	○
35	Lithuania	0.99	66.67	0.73		99	Ecuador	–0.50	25.18	0.23	
36	Qatar	0.99	66.62	0.72		100	Benin	–0.50	25.18	0.22	
37	Latvia	0.97	66.12	0.72		101	Algeria	–0.51	24.83	0.21	
38	Slovakia	0.87	63.25	0.71		102	Burkina Faso	–0.56	23.54	0.20	
39	Poland	0.82	61.96	0.70		103	Bolivia, Plurinational St.	–0.59	22.55	0.20	
40	Croatia	0.69	58.32	0.69		104	Tanzania, United Rep.	–0.64	21.20	0.19	
41	Bahrain	0.59	55.46	0.69		105	Cambodia	–0.68	20.20	0.18	
42	Hungary	0.53	53.85	0.68		106	Malawi	–0.69	19.95	0.17	
43	Georgia	0.48	52.50	0.67		107	Guatemala	–0.71	19.19	0.17	
44	Uruguay	0.48	52.39	0.66		108	Mozambique	–0.73	18.76	0.16	
45	Costa Rica	0.40	50.15	0.65		109	Niger	–0.74	18.55	0.15	
46	Greece	0.40	50.03	0.65		110	Cameroon	–0.74	18.45	0.14	
47	Turkey	0.38	49.63	0.64		111	Tajikistan	–0.75	18.31	0.13	
48	Italy	0.38	49.50	0.63		112	Pakistan	–0.75	18.25	0.13	
49	China	0.34	48.47	0.62		113	Bangladesh	–0.77	17.64	0.12	
50	Thailand	0.34	48.47	0.61		114	Côte d'Ivoire	–0.78	17.27	0.11	
51	South Africa	0.33	48.17	0.61		115	Honduras	–0.80	16.96	0.10	○
52	Botswana	0.32	47.97	0.60		116	Egypt	–0.82	16.28	0.09	
53	Oman	0.29	47.02	0.59		117	Nepal	–0.83	15.96	0.09	
54	Montenegro	0.28	46.70	0.58		118	Nicaragua	–0.83	15.86	0.08	
55	Panama	0.27	46.67	0.57		119	Kyrgyzstan	–0.84	15.81	0.07	
56	Bhutan	0.27	46.56	0.57		120	Paraguay	–0.92	13.35	0.06	○
57	Saudi Arabia	0.23	45.30	0.56		121	Burundi	–1.09	8.64	0.06	
58	Philippines	0.19	44.40	0.55		122	Mali	–1.12	8.03	0.05	
59	Mexico	0.19	44.30	0.54		123	Nigeria	–1.19	5.92	0.04	
60	TFYR of Macedonia	0.15	43.23	0.54		124	Guinea	–1.21	5.32	0.03	
61	Jamaica	0.14	42.86	0.53		125	Venezuela, Bolivarian Rep.	–1.23	4.90	0.02	
62	Jordan	0.13	42.79	0.52		126	Togo	–1.26	4.07	0.02	○
63	Namibia	0.10	41.90	0.51		127	Madagascar	–1.28	3.55	0.01	○
64	Serbia	0.09	41.57	0.50		128	Yemen	–1.41	0.00	0.00	○

SOURCE: World Bank, *World Governance Indicators 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	Singapore	2.23	100.00	1.00	●	65	Serbia	0.14	48.33	0.50	
2	Hong Kong (China)	2.05	95.62	0.99	●	66	Montenegro	0.12	47.73	0.49	
3	New Zealand	1.94	92.92	0.98	●	67	Jordan	0.08	46.72	0.48	
4	Finland	1.90	91.91	0.98		68	Namibia	0.03	45.55	0.47	
5	Australia	1.87	91.06	0.97	●	69	Moldova, Rep.	0.02	45.35	0.46	
6	Canada	1.83	90.10	0.96	●	70	Saudi Arabia	−0.01	44.58	0.46	
7	United Kingdom	1.83	90.08	0.95		71	Morocco	−0.01	44.46	0.45	
8	Switzerland	1.82	89.78	0.94		72	Philippines	−0.01	44.39	0.44	
9	Sweden	1.80	89.41	0.94		73	Dominican Republic	−0.04	43.86	0.43	
10	Netherlands	1.78	88.78	0.93		74	Ghana	−0.04	43.81	0.43	
11	Ireland	1.75	88.22	0.92		75	Brazil	−0.07	42.94	0.42	
12	Denmark	1.72	87.26	0.91		76	Sri Lanka	−0.08	42.67	0.41	
13	Germany	1.70	86.73	0.91		77	Bosnia and Herzegovina	−0.09	42.50	0.40	
14	Estonia	1.67	86.24	0.90		78	Indonesia	−0.10	42.22	0.39	
15	Luxembourg	1.65	85.56	0.89		79	Kuwait	−0.13	41.50	0.39	
16	Norway	1.64	85.31	0.88		80	Guatemala	−0.19	40.12	0.38	
17	Chile	1.50	81.97	0.87	●	81	Lebanon	−0.22	39.28	0.37	
18	Austria	1.49	81.66	0.87		82	Senegal	−0.22	39.25	0.36	
19	United States of America	1.27	76.25	0.86		83	Mongolia	−0.25	38.48	0.35	
20	Iceland	1.21	74.74	0.85		84	China	−0.27	38.14	0.35	
21	Israel	1.21	74.68	0.84		85	Kazakhstan	−0.27	38.11	0.34	
22	Lithuania	1.20	74.46	0.83	●	86	Paraguay	−0.28	37.85	0.33	
23	Belgium	1.17	73.80	0.83		87	Azerbaijan	−0.29	37.49	0.32	
24	Latvia	1.17	73.72	0.82		88	Burkina Faso	−0.33	36.44	0.31	
25	Japan	1.14	72.90	0.81		89	Kenya	−0.34	36.41	0.31	
26	Korea, Rep.	1.11	72.21	0.80		90	Tanzania, United Rep.	−0.34	36.24	0.30	
27	Malta	1.10	72.09	0.80		91	Tunisia	−0.35	36.10	0.29	
28	Cyprus	1.09	71.87	0.79		92	Uganda	−0.36	35.70	0.28	
29	France	1.09	71.63	0.78		93	Honduras	−0.38	35.40	0.28	
30	Poland	1.06	70.98	0.77		94	Nicaragua	−0.38	35.37	0.27	
31	Czech Republic	1.02	70.09	0.76		95	Mozambique	−0.39	34.99	0.26	
32	Mauritius	1.00	69.53	0.76		96	Cambodia	−0.40	34.75	0.25	
33	United Arab Emirates	0.98	68.95	0.75		97	Russian Federation	−0.40	34.71	0.24	○
34	Georgia	0.93	67.67	0.74		98	Kyrgyzstan	−0.42	34.24	0.24	
35	Slovakia	0.90	66.95	0.73		99	India	−0.45	33.59	0.23	
36	Malaysia	0.84	65.47	0.72		100	Benin	−0.51	32.19	0.22	
37	Spain	0.78	63.99	0.72		101	Zambia	−0.52	31.96	0.21	
38	Portugal	0.77	63.81	0.71		102	Mali	−0.56	30.94	0.20	
39	Hungary	0.77	63.72	0.70		103	Viet Nam	−0.59	30.09	0.20	
40	Bahrain	0.70	61.97	0.69		104	Côte d'Ivoire	−0.62	29.28	0.19	
41	Oman	0.69	61.83	0.69		105	Ukraine	−0.63	29.24	0.18	
42	Slovenia	0.66	61.16	0.68		106	Niger	−0.66	28.36	0.17	
43	Italy	0.66	61.13	0.67		107	Pakistan	−0.69	27.75	0.17	
44	Botswana	0.64	60.62	0.66		108	Malawi	−0.69	27.55	0.16	
45	Romania	0.60	59.53	0.65		109	Madagascar	−0.72	26.79	0.15	
46	Bulgaria	0.57	58.97	0.65		110	Egypt	−0.75	26.05	0.14	
47	Qatar	0.57	58.78	0.64		111	Burundi	−0.77	25.59	0.13	
48	Costa Rica	0.53	57.85	0.63		112	Nigeria	−0.82	24.45	0.13	
49	Uruguay	0.52	57.66	0.62		113	Togo	−0.82	24.41	0.12	
50	Peru	0.52	57.65	0.61		114	Yemen	−0.84	23.81	0.11	
51	Colombia	0.50	57.22	0.61		115	Nepal	−0.85	23.67	0.10	
52	TFYR of Macedonia	0.47	56.42	0.60		116	Bolivia, Plurinational St.	−0.86	23.36	0.09	
53	Mexico	0.43	55.37	0.59		117	Cameroon	−0.94	21.46	0.09	
54	Turkey	0.41	54.85	0.58		118	Bangladesh	−0.94	21.41	0.08	
55	Croatia	0.40	54.73	0.57		119	Ethiopia	−0.98	20.50	0.07	
56	Panama	0.37	53.99	0.57		120	Tajikistan	−1.01	19.71	0.06	
57	Greece	0.34	53.29	0.56		121	Bhutan	−1.01	19.70	0.06	
58	El Salvador	0.34	53.28	0.55		122	Ecuador	−1.02	19.50	0.05	○
59	South Africa	0.32	52.72	0.54		123	Belarus	−1.04	18.85	0.04	○
60	Thailand	0.27	51.33	0.54		124	Argentina	−1.08	18.01	0.03	○
61	Albania	0.23	50.32	0.53		125	Guinea	−1.10	17.55	0.02	
62	Armenia	0.22	50.12	0.52		126	Algeria	−1.21	14.85	0.02	○
63	Rwanda	0.18	49.24	0.51		127	Iran, Islamic Rep.	−1.46	8.51	0.01	○
64	Jamaica	0.16	48.78	0.50		128	Venezuela, Bolivarian Rep.	−1.81	0.00	0.00	○

SOURCE: World Bank, *World Governance Indicators 2015*

NOTE: ● indicates a strength; ○ a weakness

1.2.2 Rule of law

Rule of law index | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland	2.12	100.00	1.00	●	65	Panama	-0.09	44.93	0.50	
2	Denmark	2.09	99.33	0.99	●	66	India	-0.09	44.89	0.49	
3	Norway	2.05	98.13	0.98	●	67	Senegal	-0.10	44.63	0.48	
4	New Zealand	2.02	97.42	0.98	●	68	Tunisia	-0.12	44.18	0.47	
5	Switzerland	2.02	97.39	0.97		69	Sri Lanka	-0.15	43.38	0.46	
6	Sweden	1.99	96.81	0.96	●	70	Thailand	-0.15	43.37	0.46	
7	Netherlands	1.98	96.54	0.95	●	71	Serbia	-0.16	43.18	0.45	
8	Austria	1.96	95.92	0.94	●	72	Bosnia and Herzegovina	-0.20	42.04	0.44	
9	Australia	1.93	95.19	0.94		73	Zambia	-0.25	40.82	0.43	
10	Luxembourg	1.90	94.39	0.93		74	Moldova, Rep.	-0.27	40.30	0.43	
11	Singapore	1.89	94.36	0.92		75	Malawi	-0.30	39.68	0.42	
12	Canada	1.89	94.31	0.91		76	Viet Nam	-0.31	39.37	0.41	
13	United Kingdom	1.89	94.18	0.91		77	Jamaica	-0.31	39.35	0.40	
14	Hong Kong (China)	1.85	93.35	0.90		78	Armenia	-0.32	39.11	0.39	
15	Germany	1.85	93.31	0.89		79	Philippines	-0.33	38.94	0.39	
16	Ireland	1.80	92.03	0.88		80	China	-0.33	38.78	0.38	
17	Iceland	1.72	90.05	0.87		81	Colombia	-0.34	38.61	0.37	
18	United States of America	1.62	87.41	0.87		82	Indonesia	-0.35	38.49	0.36	
19	Japan	1.60	86.99	0.86		83	Mongolia	-0.35	38.37	0.35	
20	Belgium	1.51	84.81	0.85		84	Albania	-0.37	37.88	0.35	
21	France	1.47	83.69	0.84		85	Dominican Republic	-0.38	37.58	0.34	
22	Chile	1.43	82.70	0.83		86	Uganda	-0.39	37.43	0.33	
23	Estonia	1.36	81.15	0.83		87	Tanzania, United Rep.	-0.41	36.92	0.32	
24	Malta	1.21	77.20	0.82		88	Ethiopia	-0.42	36.66	0.31	
25	Czech Republic	1.14	75.46	0.81		89	Mexico	-0.45	35.88	0.31	
26	Portugal	1.13	75.31	0.80		90	Kenya	-0.45	35.88	0.30	
27	Israel	1.11	74.68	0.80		91	El Salvador	-0.52	34.21	0.29	
28	Cyprus	1.06	73.52	0.79		92	Burkina Faso	-0.53	33.82	0.28	
29	Qatar	0.99	71.70	0.78		93	Kazakhstan	-0.55	33.45	0.28	
30	Korea, Rep.	0.98	71.56	0.77		94	Benin	-0.55	33.41	0.27	
31	Slovenia	0.98	71.45	0.76		95	Peru	-0.55	33.30	0.26	
32	Spain	0.94	70.49	0.76		96	Egypt	-0.60	32.11	0.25	
33	Mauritius	0.92	69.99	0.75		97	Azerbaijan	-0.61	31.99	0.24	
34	Lithuania	0.91	69.72	0.74		98	Côte d'Ivoire	-0.61	31.94	0.24	
35	Latvia	0.87	68.69	0.73		99	Mali	-0.65	30.88	0.23	
36	Poland	0.82	67.51	0.72		100	Nicaragua	-0.67	30.45	0.22	
37	United Arab Emirates	0.71	64.84	0.72		101	Nepal	-0.68	30.25	0.21	
38	Uruguay	0.68	63.96	0.71	●	102	Paraguay	-0.68	30.07	0.20	
39	Malaysia	0.64	63.09	0.70		103	Niger	-0.69	29.91	0.20	
40	Botswana	0.63	62.94	0.69	●	104	Russian Federation	-0.71	29.38	0.19	○
41	Oman	0.58	61.57	0.69		105	Bangladesh	-0.72	29.16	0.18	
42	Costa Rica	0.51	59.87	0.68		106	Algeria	-0.73	28.84	0.17	
43	Hungary	0.50	59.52	0.67		107	Madagascar	-0.74	28.61	0.17	
44	Jordan	0.48	59.13	0.66	●	108	Lebanon	-0.76	28.20	0.16	○
45	Slovakia	0.47	58.91	0.65		109	Pakistan	-0.78	27.67	0.15	
46	Bahrain	0.45	58.31	0.65		110	Ukraine	-0.79	27.49	0.14	
47	Bhutan	0.35	55.81	0.64		111	Belarus	-0.81	26.85	0.13	○
48	Greece	0.34	55.72	0.63		112	Mozambique	-0.84	26.17	0.13	
49	Italy	0.34	55.52	0.62		113	Cameroon	-0.87	25.40	0.12	
50	Croatia	0.31	54.87	0.61		114	Togo	-0.87	25.33	0.11	
51	Saudi Arabia	0.27	53.83	0.61		115	Argentina	-0.91	24.54	0.10	
52	Georgia	0.20	52.15	0.60		116	Cambodia	-0.93	24.05	0.09	
53	South Africa	0.16	51.10	0.59		117	Burundi	-0.93	23.83	0.09	
54	Romania	0.15	50.85	0.58		118	Kyrgyzstan	-0.94	23.78	0.08	
55	Namibia	0.14	50.56	0.57	●	119	Tajikistan	-0.96	23.13	0.07	
56	Rwanda	0.08	49.12	0.57		120	Honduras	-0.97	22.92	0.06	○
57	Montenegro	0.07	48.75	0.56		121	Guatemala	-0.99	22.52	0.06	○
58	Kuwait	0.05	48.36	0.55		122	Iran, Islamic Rep.	-1.03	21.36	0.05	○
59	Turkey	0.04	48.04	0.54		123	Ecuador	-1.05	20.94	0.04	○
60	Ghana	0.02	47.62	0.54		124	Bolivia, Plurinational St.	-1.08	20.29	0.03	○
61	TFYR Macedonia	-0.03	46.25	0.53		125	Nigeria	-1.08	20.10	0.02	
62	Morocco	-0.06	45.69	0.52		126	Yemen	-1.17	17.93	0.02	
63	Bulgaria	-0.08	45.18	0.51		127	Guinea	-1.38	12.79	0.01	○
64	Brazil	-0.08	45.07	0.50		128	Venezuela, Bolivarian Rep.	-1.89	0.00	0.00	○

SOURCE: World Bank, *World Governance Indicators 2015*

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) | 2015

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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	0.87	●	65	Brazil	15.44	85.27	0.50	
1	Bahrain	8.00	100.00	0.87	●	66	Tajikistan	15.53	85.09	0.49	
1	Cyprus	8.00	100.00	0.87	●	67	India	15.76	84.63	0.48	
1	Denmark	8.00	100.00	0.87	●	68	Greece	15.89	84.38	0.47	
1	Hong Kong (China)	8.00	100.00	0.87	●	69	Burundi	15.89	84.38	0.46	
1	Italy	8.00	100.00	0.87	●	70	Colombia	16.67	82.84	0.46	
1	Japan	8.00	100.00	0.87	●	71	Malawi	16.67	82.84	0.45	
1	Jordan	8.00	100.00	0.87	●	72	Portugal	17.00	82.18	0.44	
1	Kenya	8.00	100.00	0.87	●	73	Algeria	17.33	81.52	0.43	
1	Malta	8.00	100.00	0.87	●	73	Kyrgyzstan	17.33	81.52	0.43	
1	New Zealand	8.00	100.00	0.87	●	75	Russian Federation	17.33	81.52	0.42	
1	Oman	8.00	100.00	0.87	●	76	Spain	17.38	81.42	0.41	○
1	Romania	8.00	100.00	0.87	●	77	Panama	18.13	79.93	0.40	
1	Serbia	8.00	100.00	0.87	●	78	Costa Rica	18.70	78.81	0.39	
1	Singapore	8.00	100.00	0.87	●	79	Poland	18.78	78.66	0.39	
1	United Arab Emirates	8.00	100.00	0.87	●	80	Slovakia	18.78	78.66	0.38	
1	United States of America	8.00	100.00	0.87	●	81	Ethiopia	19.14	77.93	0.37	
18	Bhutan	8.29	99.43	0.87	●	82	Cambodia	19.37	77.49	0.36	
19	Bulgaria	8.62	98.77	0.85	●	83	Saudi Arabia	19.45	77.32	0.35	
19	Georgia	8.62	98.77	0.85	●	84	Belgium	19.67	76.90	0.35	○
21	Kazakhstan	8.67	98.68	0.80	●	85	Cameroon	19.86	76.51	0.34	
21	Lebanon	8.67	98.68	0.80	●	86	Czech Republic	20.22	75.80	0.33	○
21	Mongolia	8.67	98.68	0.80		87	Morocco	20.69	74.87	0.32	
21	Netherlands	8.67	98.68	0.80		88	Uruguay	20.80	74.65	0.31	
21	Norway	8.67	98.68	0.80		89	Albania	20.83	74.60	0.31	
21	Uganda	8.67	98.68	0.80	●	90	Germany	21.56	73.16	0.30	○
27	Bosnia and Herzegovina	9.22	97.58	0.80	●	91	Azerbaijan	21.67	72.94	0.28	
28	South Africa	9.33	97.36	0.77		91	Belarus	21.67	72.94	0.28	
28	Tanzania, United Rep.	9.33	97.36	0.77	●	93	Luxembourg	21.67	72.94	0.28	○
28	United Kingdom	9.33	97.36	0.77		94	Botswana	21.69	72.89	0.27	
31	Namibia	9.67	96.70	0.76	●	95	Mexico	22.00	72.28	0.26	
32	Canada	10.00	96.04	0.76		96	Moldova, Rep.	22.60	71.09	0.25	
33	Guinea	10.06	95.91	0.75	●	97	El Salvador	22.86	70.58	0.24	
34	Finland	10.11	95.82	0.73		98	Iran, Islamic Rep.	23.11	70.08	0.24	
34	Switzerland	10.11	95.82	0.73		99	Qatar	23.22	69.86	0.23	
36	Burkina Faso	10.47	95.10	0.72	●	100	Lithuania	24.56	67.22	0.22	○
37	Mauritius	10.62	94.81	0.72		101	Viet Nam	24.56	67.22	0.21	
38	Slovenia	10.68	94.70	0.71		102	Dominican Republic	26.18	64.00	0.20	
39	Armenia	11.00	94.06	0.70		103	Guatemala	26.96	62.45	0.20	
40	Montenegro	11.22	93.63	0.69		104	Nepal	27.19	62.00	0.18	
41	Peru	11.43	93.21	0.69	●	104	Pakistan	27.19	62.00	0.18	
42	Benin	11.63	92.82	0.68	●	106	Chile	27.40	61.59	0.17	○
43	Australia	11.67	92.74	0.67		107	China	27.40	61.59	0.15	○
44	France	11.84	92.39	0.66		107	Korea, Rep.	27.40	61.59	0.15	○
45	Tunisia	12.10	91.89	0.65		107	Yemen	27.40	61.59	0.15	
46	Estonia	12.90	90.29	0.65		110	Israel	27.44	61.50	0.13	○
47	Rwanda	12.95	90.19	0.64		110	Philippines	27.44	61.50	0.13	
48	Iceland	13.00	90.10	0.63		112	Kuwait	28.12	60.16	0.13	○
49	Latvia	13.00	90.10	0.61		113	Paraguay	29.40	57.61	0.12	
49	Ukraine	13.00	90.10	0.61		114	Malaysia	29.44	57.54	0.11	○
51	TFYR of Macedonia	13.00	90.10	0.61		115	Turkey	29.78	56.88	0.10	○
52	Côte d'Ivoire	13.07	89.96	0.60	●	116	Argentina	30.33	55.78	0.09	
53	Togo	13.14	89.81	0.59	●	116	Honduras	30.33	55.78	0.09	○
54	Hungary	13.41	89.28	0.58		118	Bangladesh	31.00	54.46	0.08	
55	Mali	13.65	88.81	0.57	●	119	Ecuador	31.78	52.92	0.07	○
56	Jamaica	14.00	88.12	0.57		120	Thailand	36.00	44.55	0.06	○
57	Niger	14.01	88.10	0.56	●	121	Egypt	36.83	42.90	0.06	○
58	Ireland	14.33	87.46	0.55	○	122	Mozambique	37.51	41.57	0.05	
59	Sweden	14.44	87.24	0.54	○	123	Ghana	49.78	17.27	0.04	○
60	Madagascar	14.67	86.80	0.54	●	124	Zambia	50.56	15.73	0.03	○
61	Senegal	14.81	86.52	0.53		125	Indonesia	57.78	1.43	0.02	○
62	Nicaragua	14.93	86.29	0.52	●	126	Bolivia, Plurinational St. (2014)	82.33	0.00	0.00	○
63	Croatia	15.11	85.92	0.51		126	Sri Lanka	58.50	0.00	0.00	○
64	Nigeria	15.41	85.32	0.50	●	126	Venezuela, Bolivarian Rep. (2014)	82.33	0.00	0.00	○

SOURCE: World Bank, *Ease of Doing Business Index 2016: Measuring Regulatory Quality and Efficiency*

NOTE: ● indicates a strength; ○ a weakness

1.3.1 Ease of starting a business

Ease of starting a business (distance to frontier) | 2015

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	●	65	Colombia	86.13	86.13	0.50	
2	TFYR of Macedonia	99.86	99.86	0.99	●	66	Poland	85.94	85.94	0.48	
3	Canada	98.23	98.23	0.98	●	66	Senegal	85.94	85.94	0.48	
4	Hong Kong (China)	98.12	98.12	0.98		68	Iran, Islamic Rep.	85.73	85.73	0.47	
5	Armenia	97.78	97.78	0.97	●	69	Jordan	85.70	85.70	0.46	
6	Georgia	97.76	97.76	0.96	●	70	Bhutan	85.57	85.57	0.46	
7	Azerbaijan	97.75	97.75	0.95	●	71	Czech Republic	85.23	85.23	0.45	
8	Lithuania	97.70	97.70	0.94	●	72	Turkey	85.18	85.18	0.44	
9	Jamaica	97.28	97.28	0.94	●	73	Thailand	85.07	85.07	0.43	
10	Singapore	96.49	96.49	0.93		74	Peru	85.02	85.02	0.43	
11	Australia	96.47	96.47	0.92		75	Sri Lanka	84.98	84.98	0.42	
12	Belarus	96.32	96.32	0.91	●	76	Guatemala	83.87	83.87	0.41	
13	Portugal	96.28	96.28	0.91	●	77	Ghana	83.73	83.73	0.40	
14	Malaysia	95.34	95.34	0.90		78	Tunisia	83.64	83.64	0.39	
15	Estonia	95.06	95.06	0.89		79	Nepal	83.48	83.48	0.39	
16	Sweden	94.62	94.62	0.88		80	Austria	83.45	83.45	0.38	○
17	United Kingdom	94.57	94.57	0.87		81	Germany	83.37	83.37	0.37	○
18	Slovenia	94.53	94.53	0.87		82	Qatar	83.22	83.22	0.36	
19	Burundi	94.51	94.51	0.86	●	83	Dominican Republic	83.12	83.12	0.35	
20	Belgium	94.50	94.50	0.85		84	Rwanda	83.05	83.05	0.35	
21	Kazakhstan	94.44	94.44	0.84	●	85	Lebanon	82.68	82.68	0.34	
22	Korea, Rep.	94.36	94.36	0.83		86	Benin	82.24	82.24	0.33	
23	Norway	94.29	94.29	0.83		87	Bangladesh	81.72	81.72	0.32	
24	Ireland	94.18	94.18	0.82		88	Viet Nam	81.25	81.25	0.31	
25	Moldova, Rep.	94.17	94.17	0.81	●	89	South Africa	81.18	81.18	0.31	
26	Latvia	94.15	94.15	0.80		90	Costa Rica	80.95	80.95	0.30	
27	Netherlands	94.14	94.14	0.80		91	Pakistan	80.94	80.94	0.29	
28	Denmark	94.04	94.04	0.79		92	Nicaragua	80.49	80.49	0.28	
29	Ukraine	93.88	93.88	0.78		93	Mozambique	80.23	80.23	0.28	
30	France	93.14	93.14	0.77		94	El Salvador	80.19	80.19	0.27	
31	Finland	93.11	93.11	0.76		95	Guinea	80.02	80.02	0.26	
32	Kyrgyzstan	92.94	92.94	0.76	●	96	Madagascar	79.63	79.63	0.25	
33	Mongolia	92.55	92.55	0.75		97	Tanzania, United Rep.	79.58	79.58	0.24	
34	Mauritius	92.49	92.49	0.74		98	Saudi Arabia	78.66	78.66	0.24	○
35	Iceland	92.44	92.44	0.73		99	Malta	78.43	78.43	0.23	○
36	Russian Federation	92.35	92.35	0.72		100	Togo	78.37	78.37	0.22	
37	Morocco	92.06	92.06	0.72	●	101	Niger	77.62	77.62	0.21	
38	Panama	91.95	91.95	0.71		102	Paraguay	77.52	77.52	0.20	
39	Romania	91.94	91.94	0.70		103	China	77.46	77.46	0.20	
40	Côte d'Ivoire	91.44	91.44	0.69	●	104	Cameroon	77.41	77.41	0.19	
41	United States of America	91.22	91.22	0.69		105	Nigeria	77.13	77.13	0.18	
42	Italy	91.13	91.13	0.68		106	Bahrain	77.09	77.09	0.17	
43	Bulgaria	91.10	91.10	0.67		107	Botswana	76.21	76.21	0.17	
44	Greece	90.70	90.70	0.66		108	Algeria	76.08	76.08	0.16	
45	Hungary	90.56	90.56	0.65		109	Kuwait	75.37	75.37	0.15	
46	Israel	90.55	90.55	0.65		110	Oman	74.98	74.98	0.14	
47	Tajikistan	90.26	90.26	0.64	●	111	Honduras	74.92	74.92	0.13	
48	Albania	90.09	90.09	0.63		112	Kenya	74.47	74.47	0.13	
49	Montenegro	90.08	90.08	0.62		113	Yemen	74.22	74.22	0.12	
50	United Arab Emirates	89.98	89.98	0.61		114	India	73.59	73.59	0.11	○
51	Uruguay	89.87	89.87	0.61		115	Argentina	73.36	73.36	0.10	
52	Chile	89.84	89.84	0.60		116	Malawi	69.71	69.71	0.09	
53	Cyprus	89.23	89.23	0.59		117	Namibia	68.92	68.92	0.09	○
54	Mexico	88.94	88.94	0.57		118	Philippines	68.56	68.56	0.08	○
54	Serbia	88.94	88.94	0.57		119	Ecuador	68.51	68.51	0.07	○
56	Slovakia	88.54	88.54	0.57		120	Uganda	67.79	67.79	0.06	
57	Switzerland	88.47	88.47	0.56	○	121	Mali	66.05	66.05	0.06	
58	Egypt	88.24	88.24	0.55		122	Indonesia	66.04	66.04	0.05	○
59	Burkina Faso	86.69	86.69	0.54	●	123	Brazil	64.33	64.33	0.04	○
59	Zambia	86.69	86.69	0.54	●	124	Bosnia and Herzegovina	63.52	63.52	0.03	○
61	Luxembourg	86.46	86.46	0.53		125	Ethiopia	62.45	62.45	0.02	○
62	Japan	86.34	86.34	0.52		126	Bolivia, Plurinational St.	59.74	59.74	0.02	○
63	Spain	86.30	86.30	0.51	○	127	Cambodia	58.10	58.10	0.01	○
64	Croatia	86.21	86.21	0.50		128	Venezuela, Bolivarian Rep.	40.38	40.38	0.00	○

SOURCE: World Bank, *Doing Business 2016: Measuring Regulatory Quality and Efficiency*

NOTE: ● indicates a strength; ○ a weakness

1.3.2 Ease of resolving insolvency

Ease of resolving insolvency (distance to frontier) | 2015

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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	93.81	93.81	1.00	●	65	Rwanda	47.82	47.82	0.50	
2	Japan	93.75	93.75	0.99	●	66	Algeria	47.67	47.67	0.49	●
3	Germany	91.93	91.93	0.98	●	67	Peru	47.57	47.57	0.48	
4	Korea, Rep.	90.31	90.31	0.98	●	68	Côte d'Ivoire	47.03	47.03	0.47	●
5	United States of America	90.12	90.12	0.97		69	Indonesia	46.48	46.48	0.46	
6	Norway	85.71	85.71	0.96	●	70	Sri Lanka	46.40	46.40	0.46	
7	Portugal	84.79	84.79	0.95	●	71	El Salvador	45.90	45.90	0.45	
8	Denmark	84.78	84.78	0.94		72	Luxembourg	45.45	45.45	0.44	
9	Belgium	84.00	84.00	0.94	●	73	Cambodia	45.11	45.11	0.43	
10	Netherlands	83.77	83.77	0.93		74	Malta	44.78	44.78	0.43	
11	Slovenia	83.39	83.39	0.92	●	75	Azerbaijan	44.68	44.68	0.42	
12	United Kingdom	82.04	82.04	0.91		76	Bahrain	44.28	44.28	0.41	
13	Australia	81.69	81.69	0.91		77	Nepal	44.19	44.19	0.40	
14	Iceland	81.65	81.65	0.90		78	Costa Rica	44.06	44.06	0.39	
15	Canada	81.36	81.36	0.89		79	Senegal	43.85	43.85	0.39	
16	Cyprus	79.04	79.04	0.88		80	Mongolia	43.76	43.76	0.38	
17	Austria	78.89	78.89	0.87		81	United Arab Emirates	43.74	43.74	0.37	
18	Sweden	78.75	78.75	0.87		82	Bolivia, Plurinational St.	43.27	43.27	0.36	
19	Ireland	78.44	78.44	0.86		83	Togo	43.12	43.12	0.35	
20	Czech Republic	77.73	77.73	0.85		84	Pakistan	42.96	42.96	0.35	
21	Italy	76.14	76.14	0.84		85	Argentina	42.87	42.87	0.34	
22	France	76.09	76.09	0.83		86	Namibia	42.22	42.22	0.33	
23	Spain	75.83	75.83	0.83		87	Tanzania, United Rep.	41.01	41.01	0.32	
24	Hong Kong (China)	75.06	75.06	0.82		88	Mali	40.35	40.35	0.31	
25	Singapore	74.83	74.83	0.81		89	Georgia	40.24	40.24	0.31	
26	Mexico	73.03	73.03	0.80	●	90	Paraguay	40.18	40.18	0.30	
27	Israel	72.47	72.47	0.80		91	Nicaragua	40.13	40.13	0.29	
28	Colombia	72.06	72.06	0.79		92	Uganda	39.80	39.80	0.28	
29	New Zealand	71.41	71.41	0.78		93	Oman	39.28	39.28	0.28	
30	Poland	70.43	70.43	0.77		94	Zambia	38.96	38.96	0.27	
31	Slovakia	70.04	70.04	0.76		95	Guinea	38.84	38.84	0.26	
32	Jamaica	69.08	69.08	0.76	●	96	Benin	38.08	38.08	0.24	
33	Montenegro	68.21	68.21	0.75		96	Burkina Faso	38.08	38.08	0.24	
34	TFYR of Macedonia	67.73	67.73	0.74	●	98	Ethiopia	37.81	37.81	0.24	
35	Bosnia and Herzegovina	66.42	66.42	0.73	●	99	Cameroon	36.46	36.46	0.23	
36	Mauritius	65.94	65.94	0.72		100	Egypt	36.36	36.36	0.22	
37	Estonia	65.28	65.28	0.72		101	Niger	36.01	36.01	0.21	
38	South Africa	64.29	64.29	0.71		102	Kuwait	35.95	35.95	0.20	
39	Albania	63.42	63.42	0.70	●	103	Viet Nam	35.83	35.83	0.20	
40	Latvia	63.39	63.39	0.69		104	Turkey	35.09	35.09	0.19	○
41	Switzerland	62.60	62.60	0.69		105	Kyrgyzstan	34.66	34.66	0.18	
42	Malaysia	62.49	62.49	0.68		106	Madagascar	34.24	34.24	0.17	
43	Romania	59.77	59.77	0.67		107	Morocco	33.89	33.89	0.17	○
44	Kazakhstan	58.97	58.97	0.66		108	Panama	33.58	33.58	0.16	
45	Bulgaria	58.93	58.93	0.65		109	Lebanon	33.07	33.07	0.15	○
46	Thailand	58.84	58.84	0.65		110	India	32.59	32.59	0.14	
47	Serbia	58.52	58.52	0.64		111	Honduras	31.67	31.67	0.13	
48	Qatar	58.39	58.39	0.62		112	Iran, Islamic Rep.	31.57	31.57	0.13	
48	Russian Federation	58.39	58.39	0.62		113	Ukraine	31.05	31.05	0.12	○
50	Philippines	56.81	56.81	0.61		114	Nigeria	30.68	30.68	0.11	
51	Greece	56.28	56.28	0.61		115	Kenya	30.64	30.64	0.10	
52	China	55.43	55.43	0.60		116	Burundi	30.46	30.46	0.09	
53	Botswana	54.66	54.66	0.59		117	Jordan	30.17	30.17	0.09	○
54	Tunisia	54.53	54.53	0.58		118	Tajikistan	29.04	29.04	0.08	
55	Chile	54.18	54.18	0.57		119	Ecuador	28.40	28.40	0.07	○
56	Croatia	53.92	53.92	0.57		120	Yemen	28.08	28.08	0.06	
57	Moldova, Rep.	53.85	53.85	0.56		121	Guatemala	27.30	27.30	0.06	○
58	Brazil	52.68	52.68	0.55		122	Bangladesh	26.36	26.36	0.05	
59	Uruguay	52.37	52.37	0.54		123	Dominican Republic	23.70	23.70	0.04	○
60	Hungary	50.58	50.58	0.54		124	Ghana	21.88	21.88	0.03	○
61	Mozambique	49.63	49.63	0.53	●	125	Malawi	19.20	19.20	0.02	○
62	Belarus	48.38	48.38	0.52		126	Venezuela, Bolivarian Rep.	19.05	19.05	0.02	○
63	Lithuania	48.06	48.06	0.51		127	Bhutan	0.00	0.00	0.00	○
64	Armenia	48.00	48.00	0.50		127	Saudi Arabia	0.00	0.00	0.00	○

SOURCE: World Bank, *Doing Business 2016: Measuring Regulatory Quality and Efficiency*

NOTE: ● indicates a strength; ○ a weakness

1.3.3 Ease of paying taxes

Ease of paying taxes (distance to frontier) | 2015

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	●	65	Costa Rica.....	75.67	75.67	0.50	
1	United Arab Emirates.....	99.44	99.44	0.99	●	66	Tunisia.....	75.53	75.53	0.49	
3	Saudi Arabia.....	99.23	99.23	0.98	●	67	Bangladesh.....	74.42	74.42	0.48	
4	Hong Kong (China).....	98.71	98.71	0.98		68	France.....	74.31	74.31	0.47	○
5	Singapore.....	96.56	96.56	0.97		69	Bulgaria.....	74.19	74.19	0.46	
6	Ireland.....	94.97	94.97	0.96	●	70	Belgium.....	73.80	73.80	0.46	○
7	TFYR of Macedonia.....	94.17	94.17	0.95	●	71	Mongolia.....	73.79	73.79	0.45	
8	Bahrain.....	93.88	93.88	0.94	●	72	Mexico.....	73.67	73.67	0.44	
9	Canada.....	93.00	93.00	0.94		73	Namibia.....	73.63	73.63	0.43	
10	Oman.....	92.91	92.91	0.93	●	74	Cambodia.....	73.06	73.06	0.42	
11	Kuwait.....	92.48	92.48	0.92	●	74	Hungary.....	73.06	73.06	0.42	
12	Denmark.....	91.94	91.94	0.91		76	Kenya.....	71.96	71.96	0.41	
13	Mauritius.....	91.92	91.92	0.91	●	77	Malawi.....	71.82	71.82	0.40	
14	Norway.....	91.36	91.36	0.90		78	Israel.....	71.65	71.65	0.39	○
15	United Kingdom.....	91.34	91.34	0.89		79	Uganda.....	71.32	71.32	0.39	
16	Finland.....	89.38	89.38	0.88		80	Ghana.....	71.24	71.24	0.38	
17	Kazakhstan.....	89.18	89.18	0.87	●	81	Ukraine.....	70.69	70.69	0.37	
18	Switzerland.....	89.13	89.13	0.87		82	Burundi.....	69.45	69.45	0.35	
19	South Africa.....	88.75	88.75	0.86	●	82	Paraguay.....	69.45	69.45	0.35	
20	Luxembourg.....	88.58	88.58	0.85		84	Ethiopia.....	68.95	68.95	0.35	
21	New Zealand.....	88.06	88.06	0.84		85	Mozambique.....	67.78	67.78	0.34	
22	Malta.....	85.91	85.91	0.83		86	Japan.....	67.16	67.16	0.33	○
23	Netherlands.....	85.81	85.81	0.83		87	Czech Republic.....	67.09	67.09	0.32	○
24	Latvia.....	85.76	85.76	0.82		88	Iran, Islamic Rep.....	66.78	66.78	0.31	
25	Bhutan.....	85.50	85.50	0.81	●	89	Nepal.....	66.50	66.50	0.31	
26	Korea, Rep.....	84.53	84.53	0.80		90	Philippines.....	66.23	66.23	0.30	
27	Estonia.....	84.33	84.33	0.80		91	Uruguay.....	65.25	65.25	0.29	
28	Malaysia.....	84.31	84.31	0.79		92	China.....	64.46	64.46	0.28	
29	Chile.....	84.00	84.00	0.78		93	Yemen.....	63.72	63.72	0.28	●
30	Azerbaijan.....	83.77	83.77	0.77	●	94	Colombia.....	63.32	63.32	0.27	
31	Slovenia.....	83.74	83.74	0.76		95	Italy.....	62.98	62.98	0.26	○
32	Iceland.....	83.67	83.67	0.76		96	Kyrgyzstan.....	62.94	62.94	0.25	
33	Sweden.....	83.46	83.46	0.75		97	Ecuador.....	62.84	62.84	0.24	
34	Croatia.....	83.02	83.02	0.74		98	Albania.....	62.01	62.01	0.24	
35	Georgia.....	82.76	82.76	0.73		99	Serbia.....	61.87	61.87	0.23	
36	Armenia.....	82.51	82.51	0.72		100	Jamaica.....	60.95	60.95	0.22	
37	Australia.....	82.35	82.35	0.72		101	Indonesia.....	60.46	60.46	0.21	
38	Cyprus.....	81.70	81.70	0.71		102	Mali.....	60.16	60.16	0.20	
39	Lebanon.....	81.69	81.69	0.70		103	Tanzania, United Rep.....	59.25	59.25	0.20	
40	Zambia.....	81.66	81.66	0.69	●	104	Egypt.....	58.87	58.87	0.19	
41	Russian Federation.....	81.60	81.60	0.69		105	Burkina Faso.....	58.08	58.08	0.18	
42	Rwanda.....	81.48	81.48	0.68	●	106	Bosnia and Herzegovina.....	57.55	57.55	0.17	
43	Lithuania.....	81.42	81.42	0.67		107	Honduras.....	57.28	57.28	0.17	
44	Guatemala.....	81.18	81.18	0.65	●	108	Niger.....	56.87	56.87	0.16	
44	Peru.....	81.18	81.18	0.65		109	India.....	56.14	56.14	0.15	
46	Jordan.....	80.96	80.96	0.65	●	110	Sri Lanka.....	55.23	55.23	0.14	○
47	United States of America.....	80.81	80.81	0.64		111	El Salvador.....	52.73	52.73	0.13	
48	Romania.....	80.69	80.69	0.63		112	Togo.....	51.70	51.70	0.13	
49	Poland.....	79.63	79.63	0.62		113	Nicaragua.....	50.59	50.59	0.12	
50	Spain.....	79.48	79.48	0.61		114	Panama.....	48.60	48.60	0.11	
51	Turkey.....	79.44	79.44	0.61		115	Viet Nam.....	45.41	45.41	0.10	○
52	Morocco.....	78.91	78.91	0.60		116	Algeria.....	45.03	45.03	0.09	
53	Belarus.....	78.74	78.74	0.59		117	Argentina.....	44.99	44.99	0.09	
54	Montenegro.....	78.57	78.57	0.58		118	Pakistan.....	44.46	44.46	0.08	
55	Portugal.....	78.54	78.54	0.57		119	Tajikistan.....	43.53	43.53	0.07	
56	Greece.....	78.45	78.45	0.57		120	Côte d'Ivoire.....	42.73	42.73	0.06	○
57	Thailand.....	77.70	77.70	0.56		121	Brazil.....	40.85	40.85	0.06	○
58	Botswana.....	77.47	77.47	0.55		122	Benin.....	39.91	39.91	0.05	○
59	Germany.....	77.00	77.00	0.54		123	Cameroon.....	36.34	36.34	0.04	○
60	Slovakia.....	76.79	76.79	0.54		124	Nigeria.....	32.17	32.17	0.03	
61	Austria.....	76.53	76.53	0.53	○	125	Senegal.....	29.83	29.83	0.02	○
62	Madagascar.....	76.32	76.32	0.52		126	Guinea.....	28.27	28.27	0.02	
63	Dominican Republic.....	76.29	76.29	0.51		127	Venezuela, Bolivarian Rep.....	13.64	13.64	0.01	○
64	Moldova, Rep.....	76.28	76.28	0.50		128	Bolivia, Plurinational St.....	12.18	12.18	0.00	○

SOURCE: World Bank, *Doing Business 2016: Measuring Regulatory Quality and 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	Botswana (2009)	9.63	100.00	0.99	●	65	Yemen (2008)	4.56	40.56	0.45	●
1	Lithuania (2011)	17.70	100.00	0.99	●	66	Chile (2013)	4.56	40.52	0.44	
3	Denmark (2011)	8.55	87.28	0.98	●	67	Burkina Faso (2013)	4.53	40.15	0.44	
4	Namibia (2010)	8.35	84.97	0.97	●	68	Ethiopia (2013)	4.50	39.83	0.43	
5	Sweden	7.66	76.83	0.97	●	69	Nicaragua (2010)	4.49	39.77	0.42	
6	Moldova, Rep. (2014)	7.50	75.02	0.96	●	70	Serbia	4.43	38.99	0.41	
7	Norway	7.37	73.50	0.95	●	71	Spain	4.37	38.29	0.40	○
8	New Zealand	7.25	72.11	0.94		72	Uruguay (2011)	4.36	38.15	0.39	
9	Finland	7.19	71.40	0.93		73	Algeria (2008)	4.34	37.94	0.38	
10	Bolivia, Plurinational St. (2014)	7.04	69.58	0.92	●	74	Mali (2014)	4.33	37.91	0.38	
11	Iceland (2011)	7.04	69.57	0.91		75	Czech Republic	4.26	37.08	0.37	○
12	Malawi (2014)	6.88	67.71	0.91	●	76	Oman (2009)	4.19	36.19	0.36	
13	Venezuela, Bolivarian Rep. (2009)	6.87	67.68	0.90	●	77	Ecuador	4.18	36.10	0.35	
14	Kyrgyzstan (2013)	6.78	66.57	0.89	●	78	Croatia (2011)	4.16	35.84	0.34	
15	Niger (2014)	6.78	66.54	0.88	●	79	Russian Federation	4.15	35.80	0.33	
16	Malta	6.76	66.33	0.87		80	Italy (2011)	4.14	35.64	0.32	○
17	Mozambique (2013)	6.72	65.81	0.86	●	81	Tajikistan	4.02	34.20	0.32	
18	Ukraine (2013)	6.67	65.30	0.85	●	82	Slovakia	3.94	33.25	0.31	○
19	Cyprus (2011)	6.64	64.98	0.85		83	India	3.83	31.94	0.30	
20	Belgium (2011)	6.37	61.71	0.84		84	Japan (2013)	3.82	31.86	0.29	○
21	Viet Nam	6.30	60.98	0.83	●	85	Egypt (2008)	3.76	31.19	0.28	
22	Malaysia (2013)	6.29	60.85	0.82		86	Kuwait (2006)	3.76	31.18	0.27	
23	Tunisia	6.22	60.05	0.81	●	87	Peru (2014)	3.66	29.97	0.26	
24	South Africa (2014)	6.06	58.09	0.80	●	88	Bulgaria	3.59	29.18	0.26	
25	Jamaica (2014)	5.98	57.24	0.79	●	89	Hong Kong (China) (2014)	3.57	28.97	0.25	○
26	Bhutan (2014)	5.96	56.96	0.79	●	90	Guinea (2013)	3.54	28.61	0.24	
27	Ghana (2013)	5.93	56.65	0.78	●	91	Qatar (2014)	3.53	28.43	0.23	
28	Brazil	5.91	56.42	0.77	●	92	Albania (2013)	3.50	28.14	0.22	
29	Honduras (2013)	5.87	55.96	0.76	●	93	Tanzania, United Rep. (2014)	3.48	27.91	0.21	
30	Ireland	5.84	55.60	0.75		94	El Salvador (2011)	3.42	27.16	0.21	
31	United Kingdom (2013)	5.72	54.14	0.74		95	Indonesia (2013)	3.37	26.57	0.20	
32	Slovenia	5.66	53.43	0.74		96	Panama (2011)	3.29	25.71	0.19	
33	Israel (2011)	5.63	53.12	0.73		97	Latvia	3.20	24.66	0.18	○
34	Senegal (2010)	5.60	52.74	0.72	●	98	Iran, Islamic Rep. (2014)	3.06	22.99	0.17	
35	France	5.53	51.96	0.71		99	Cameroon (2013)	3.03	22.60	0.16	
36	Netherlands	5.51	51.73	0.70		100	Romania	2.99	22.10	0.15	○
37	Kenya (2010)	5.51	51.66	0.69		101	Singapore (2013)	2.91	21.16	0.15	○
38	Austria	5.45	50.99	0.68		102	Kazakhstan (2014)	2.89	20.95	0.14	○
39	Burundi (2013)	5.41	50.57	0.68	●	103	Turkey (2006)	2.86	20.66	0.13	○
40	Morocco (2009)	5.38	50.11	0.67		104	Guatemala (2013)	2.84	20.42	0.12	
41	Argentina (2013)	5.34	49.74	0.66		105	Philippines (2009)	2.65	18.20	0.11	○
42	Canada (2011)	5.27	48.90	0.65		106	Bahrain	2.64	18.11	0.10	○
43	United States of America (2011)	5.22	48.33	0.64		107	Cambodia (2010)	2.60	17.63	0.09	
44	Mexico (2011)	5.15	47.42	0.63		108	Lebanon (2013)	2.57	17.26	0.09	○
45	Saudi Arabia (2008)	5.14	47.32	0.62		109	Azerbaijan (2013)	2.46	15.97	0.08	○
46	Portugal (2011)	5.12	47.13	0.62		110	Pakistan (2014)	2.45	15.88	0.07	
47	Switzerland	5.05	46.27	0.61		111	Armenia (2014)	2.40	15.21	0.06	○
48	Rwanda (2013)	5.03	46.03	0.60		112	Uganda (2013)	2.20	12.90	0.05	○
49	Mauritius (2014)	4.99	45.59	0.59		113	Madagascar (2013)	2.08	11.49	0.04	
50	Belarus (2014)	4.99	45.56	0.58		114	Dominican Republic (2007)	2.05	11.15	0.03	○
51	Paraguay	4.96	45.27	0.57	●	115	Georgia	1.98	10.35	0.03	○
52	Germany	4.95	45.10	0.56		116	Bangladesh (2013)	1.97	10.15	0.02	○
53	Thailand	4.93	44.87	0.56		117	Sri Lanka	1.72	7.32	0.01	○
54	Australia	4.91	44.61	0.55		118	Zambia (2008)	1.10	0.00	0.00	○
55	Poland (2011)	4.86	44.08	0.54		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
56	Togo (2014)	4.84	43.81	0.53	●	n/a	China	n/a	n/a	n/a	
57	Benin (2014)	4.80	43.31	0.52	●	n/a	Costa Rica	n/a	n/a	n/a	
58	Estonia	4.79	43.28	0.51		n/a	Greece	n/a	n/a	n/a	
59	Nepal (2014)	4.72	42.45	0.50	●	n/a	Jordan	n/a	n/a	n/a	
60	Côte d'Ivoire (2014)	4.72	42.42	0.50	●	n/a	Luxembourg	n/a	n/a	n/a	
61	Colombia (2014)	4.67	41.85	0.49		n/a	Montenegro	n/a	n/a	n/a	
62	Hungary (2011)	4.65	41.55	0.48		n/a	Nigeria	n/a	n/a	n/a	
63	Korea, Rep.	4.62	41.23	0.47		n/a	TFYR of Macedonia	n/a	n/a	n/a	
64	Mongolia (2011)	4.61	41.13	0.46		n/a	United Arab Emirates	n/a	n/a	n/a	

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 per pupil, secondary (% of GDP per capita) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Niger (2014)	71.02	100.00	1.00	●	65	United Arab Emirates	18.32	20.05	0.41	
2	Mozambique (2013)	70.03	98.49	0.99	●	66	Saudi Arabia (2007)	18.11	19.73	0.40	
3	Lithuania (2011)	66.59	93.27	0.98	●	67	Luxembourg (2011)	18.02	19.60	0.39	
4	Botswana (2007)	42.11	56.14	0.97	●	68	Colombia (2014)	17.75	19.18	0.38	
5	Malta	41.56	55.30	0.96	●	69	Paraguay	17.35	18.58	0.37	
6	Rwanda (2013)	41.29	54.90	0.95	●	70	Latvia	17.24	18.40	0.36	
7	Moldova, Rep. (2014)	38.80	51.11	0.94	●	71	Singapore (2010)	16.68	17.57	0.35	○
8	Belgium	38.55	50.74	0.94	●	72	Venezuela, Bolivarian Rep. (2009)	16.61	17.45	0.34	
9	Cyprus (2011)	38.30	50.35	0.93	●	73	Australia	16.54	17.35	0.33	○
10	Morocco	36.52	47.65	0.92	●	74	Iran, Islamic Rep. (2014)	16.16	16.76	0.32	
11	Bhutan (2014)	36.38	47.44	0.91	●	75	Armenia (2014)	15.93	16.43	0.31	
12	Finland (2011)	34.70	44.90	0.90		76	Namibia (2008)	15.93	16.43	0.31	
13	Kyrgyzstan (2013)	33.19	42.60	0.89	●	77	Mexico (2011)	15.91	16.40	0.30	
14	Portugal (2011)	32.56	41.65	0.88	●	78	Georgia (2008)	15.49	15.76	0.29	
15	Ghana (2013)	31.62	40.22	0.87	●	79	Israel (2011)	15.46	15.72	0.28	○
16	Sweden	31.09	39.41	0.86		80	Togo (2011)	15.42	15.65	0.27	
17	Slovenia (2011)	30.82	39.01	0.85		81	Mongolia (2010)	15.37	15.57	0.26	
18	Ukraine (2013)	30.45	38.45	0.84	●	82	Burkina Faso (2013)	15.24	15.38	0.25	
19	Malawi (2014)	30.16	38.02	0.83	●	83	India	15.19	15.29	0.24	
20	Burundi (2013)	30.06	37.86	0.82	●	84	Chile (2013)	15.15	15.24	0.23	○
21	Denmark (2011)	29.44	36.92	0.81		85	Jordan (2011)	15.06	15.11	0.22	○
22	Mauritius (2014)	29.15	36.48	0.81	●	86	Benin (2014)	14.88	14.83	0.21	
23	Senegal (2010)	28.95	36.18	0.80	●	87	Nepal (2014)	14.64	14.47	0.20	
24	Estonia	27.09	33.35	0.79		88	Dominican Republic (2014)	14.60	14.40	0.19	
25	Austria	26.95	33.14	0.78		89	Pakistan (2014)	13.22	12.31	0.19	
26	France	26.88	33.04	0.77		90	Serbia (2011)	13.06	12.06	0.18	○
27	Ireland	26.29	32.14	0.76		91	Peru (2014)	12.94	11.89	0.17	○
28	Switzerland	26.05	31.78	0.75		92	Romania	12.56	11.31	0.16	○
29	Norway (2011)	25.79	31.37	0.74		93	Tanzania, United Rep. (2010)	12.15	10.69	0.15	
30	Spain (2011)	25.78	31.36	0.73		94	Bangladesh (2011)	12.13	10.66	0.14	
31	Côte d'Ivoire (2014)	25.74	31.30	0.72	●	95	Yemen (2011)	12.13	10.66	0.13	
32	Japan (2013)	25.67	31.20	0.71		96	El Salvador (2010)	11.31	9.41	0.12	
33	Czech Republic	25.35	30.72	0.70		97	Uruguay (2006)	10.69	8.47	0.11	○
34	New Zealand	24.70	29.73	0.69		98	Qatar (2009)	10.27	7.84	0.10	○
35	Tunisia (2008)	24.36	29.20	0.69	●	99	Guinea	9.89	7.26	0.09	
36	Mali (2014)	24.26	29.07	0.68	●	100	Indonesia (2013)	9.81	7.14	0.08	
37	Netherlands	24.16	28.90	0.67		101	Panama (2011)	9.66	6.92	0.07	○
38	Poland (2011)	23.51	27.93	0.66		102	Philippines (2008)	9.14	6.12	0.06	○
39	Korea, Rep. (2013)	23.37	27.71	0.65		103	Madagascar	8.39	4.98	0.06	
40	Germany	23.23	27.50	0.64		104	Nicaragua (2010)	7.44	3.55	0.05	○
41	Malaysia (2013)	23.20	27.45	0.63		105	Sri Lanka	6.87	2.68	0.04	○
42	Italy	22.82	26.88	0.62		106	Ecuador (2014)	6.33	1.85	0.03	○
43	Jamaica (2014)	22.82	26.87	0.61		107	Albania (2013)	5.81	1.07	0.02	○
44	United States of America	22.81	26.87	0.60		108	Guatemala (2013)	5.42	0.48	0.01	○
45	Ethiopia (2010)	22.69	26.67	0.59	●	109	Lebanon (2013)	5.10	0.00	0.00	○
46	Brazil	22.66	26.63	0.58		n/a	Algeria	n/a	n/a	n/a	
47	United Kingdom (2013)	22.51	26.41	0.57	○	n/a	Azerbaijan	n/a	n/a	n/a	
48	Kuwait (2011)	21.75	25.26	0.56		n/a	Bahrain	n/a	n/a	n/a	
49	Kenya (2006)	21.17	24.37	0.56		n/a	Belarus	n/a	n/a	n/a	
50	Argentina (2013)	20.88	23.93	0.55		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
51	Kazakhstan (2014)	20.39	23.19	0.54		n/a	Cambodia	n/a	n/a	n/a	
52	Bulgaria	20.38	23.18	0.53		n/a	China	n/a	n/a	n/a	
53	Bolivia, Plurinational St.	20.33	23.09	0.52	●	n/a	Costa Rica	n/a	n/a	n/a	
54	Iceland (2011)	20.24	22.96	0.51		n/a	Croatia	n/a	n/a	n/a	
55	Oman (2013)	19.97	22.55	0.50		n/a	Egypt	n/a	n/a	n/a	
56	Cameroon	19.74	22.20	0.49	●	n/a	Greece	n/a	n/a	n/a	
57	Hungary	19.73	22.18	0.48		n/a	Montenegro	n/a	n/a	n/a	
58	Thailand	19.69	22.12	0.47		n/a	Nigeria	n/a	n/a	n/a	
59	Uganda	19.44	21.75	0.46		n/a	Russian Federation	n/a	n/a	n/a	
60	Hong Kong (China) (2014)	19.33	21.57	0.45	○	n/a	Tajikistan	n/a	n/a	n/a	
61	South Africa (2014)	19.01	21.10	0.44		n/a	TFYR of Macedonia	n/a	n/a	n/a	
62	Honduras (2013)	18.72	20.66	0.44		n/a	Turkey	n/a	n/a	n/a	
63	Slovakia	18.43	20.22	0.43		n/a	Viet Nam	n/a	n/a	n/a	
64	Canada (2011)	18.32	20.05	0.42	○	n/a	Zambia	n/a	n/a	n/a	

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

NOTE: ● indicates a strength; ○ a weakness

2.1.3

School life expectancy

School life expectancy, primary to tertiary education (years) | 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	Australia	20.43	100.00	1.00	●	65	Thailand	13.57	54.64	0.45	
2	Belgium	19.60	94.52	0.99	●	66	Malaysia	13.40	53.46	0.44	
3	Finland	19.27	92.31	0.98	●	67	Peru (2010)	13.39	53.39	0.43	
4	Denmark	19.18	91.69	0.97	●	68	South Africa	13.23	52.35	0.42	
5	New Zealand	19.17	91.63	0.97	●	69	El Salvador	13.17	51.98	0.41	
6	Iceland (2012)	18.99	90.48	0.96		70	Dominican Republic (2014)	13.17	51.95	0.41	
7	Ireland	18.80	89.17	0.95		71	Mexico	13.12	51.64	0.40	
8	Netherlands (2012)	18.12	84.68	0.94		72	Egypt	13.09	51.45	0.39	
9	Sweden	18.11	84.61	0.93		73	Qatar (2011)	13.08	51.33	0.38	
10	United Kingdom	17.81	82.64	0.92		74	Botswana	13.07	51.31	0.37	
11	Norway	17.67	81.74	0.91		75	Kuwait	12.96	50.59	0.36	
12	Slovenia	17.64	81.50	0.91	●	76	Indonesia	12.90	50.18	0.35	
13	Spain	17.61	81.31	0.90	●	77	TFYR of Macedonia (2012)	12.89	50.13	0.34	
14	Greece	17.22	78.73	0.89	●	78	Panama	12.80	49.50	0.34	
15	Argentina	17.14	78.19	0.88	●	79	Kyrgyzstan	12.76	49.27	0.33	
16	Germany	16.97	77.10	0.87		80	Jordan (2012)	12.76	49.27	0.32	
17	Portugal	16.80	75.95	0.86		81	Philippines	12.75	49.18	0.31	
18	Czech Republic	16.67	75.08	0.85		82	Azerbaijan (2014)	12.64	48.46	0.30	
19	Korea, Rep. (2014)	16.59	74.58	0.84		83	Bhutan	12.52	47.62	0.29	
20	United States of America	16.54	74.25	0.84		84	Armenia (2009)	12.32	46.36	0.28	
21	Estonia	16.50	74.00	0.83		85	Paraguay (2010)	12.32	46.32	0.28	
22	Lithuania	16.49	73.92	0.82		86	Lebanon	12.23	45.76	0.27	
23	Hong Kong (China) (2014)	16.40	73.33	0.81		87	Nepal (2014)	12.22	45.66	0.26	
24	Turkey	16.39	73.23	0.80		88	Benin	12.14	45.12	0.25	
25	Poland	16.37	73.15	0.79		89	Morocco (2012)	12.05	44.58	0.24	
26	Italy	16.26	72.39	0.78		90	Togo (2011)	11.97	43.99	0.23	
27	Chile	16.21	72.08	0.78		91	Moldova, Rep.	11.81	42.94	0.22	
28	France	16.16	71.74	0.77		92	India	11.61	41.62	0.22	
29	Saudi Arabia (2014)	16.12	71.47	0.76		93	Ghana (2014)	11.37	40.04	0.21	
30	Latvia	15.97	70.51	0.75		94	Tajikistan	11.26	39.33	0.20	
31	Israel	15.96	70.43	0.74		95	Namibia (2006)	11.26	39.30	0.19	
32	Austria (2014)	15.91	70.10	0.73		96	Rwanda	11.25	39.25	0.18	
33	Albania (2014)	15.80	69.36	0.72	●	97	Honduras (2014)	11.24	39.17	0.17	
34	Hungary	15.79	69.30	0.72		98	Kenya (2009)	11.07	38.09	0.16	
35	Switzerland (2012)	15.78	69.25	0.71		99	Malawi (2011)	10.72	35.77	0.16	
36	Belarus (2014)	15.60	68.04	0.70		100	Guatemala	10.72	35.76	0.15	
37	Uruguay (2010)	15.51	67.45	0.69		101	Burundi	10.65	35.27	0.14	
38	Japan	15.34	66.31	0.68		102	Cambodia (2008)	10.52	34.40	0.13	
39	Romania (2011)	15.33	66.24	0.67		103	Cameroon (2011)	10.42	33.73	0.12	
40	Ukraine (2014)	15.31	66.09	0.66		104	Madagascar (2012)	10.35	33.28	0.11	
41	Ecuador	15.19	65.30	0.66	●	105	Uganda (2011)	10.01	31.07	0.10	
42	Mauritius (2014)	15.17	65.19	0.65		106	Bangladesh (2011)	9.86	30.05	0.09	
43	Costa Rica (2014)	15.14	65.00	0.64		107	Mozambique (2014)	9.07	24.83	0.09	
44	Montenegro (2010)	15.13	64.95	0.63		108	Yemen (2011)	8.99	24.30	0.08	
45	Slovakia	15.06	64.46	0.62		109	Côte d'Ivoire (2014)	8.82	23.17	0.07	○
46	Bulgaria (2014)	15.04	64.33	0.61		110	Guinea (2014)	8.69	22.34	0.06	
47	Kazakhstan (2014)	14.98	63.93	0.60		111	Tanzania, United Rep.	8.36	20.11	0.05	
48	Georgia (2014)	14.91	63.49	0.59		112	Ethiopia (2012)	8.35	20.08	0.04	
49	Russian Federation	14.87	63.17	0.59		113	Pakistan (2014)	8.11	18.46	0.03	○
50	Croatia (2012)	14.86	63.14	0.58		114	Senegal (2010)	7.88	16.98	0.03	○
51	Mongolia (2014)	14.85	63.04	0.57		115	Mali (2011)	7.72	15.90	0.02	○
52	Iran, Islamic Rep. (2014)	14.82	62.90	0.56		116	Burkina Faso	7.69	15.72	0.01	○
53	Tunisia	14.69	61.98	0.55		117	Niger (2012)	5.32	0.00	0.00	○
54	Malta (2014)	14.59	61.38	0.54		n/a	Bahrain	n/a	n/a	n/a	
55	Serbia (2014)	14.36	59.82	0.53		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
56	Algeria (2011)	14.36	59.81	0.53	●	n/a	Brazil	n/a	n/a	n/a	
57	Colombia (2009)	14.30	59.44	0.52		n/a	Canada	n/a	n/a	n/a	
58	Cyprus (2014)	14.24	59.05	0.51		n/a	Jamaica	n/a	n/a	n/a	
59	Venezuela, Bolivarian Rep. (2009)	14.04	57.69	0.50		n/a	Nicaragua	n/a	n/a	n/a	
60	Sri Lanka	13.96	57.19	0.49		n/a	Nigeria	n/a	n/a	n/a	
61	Bolivia, Plurinational St. (2007)	13.96	57.15	0.48		n/a	Singapore	n/a	n/a	n/a	
62	Luxembourg (2012)	13.86	56.55	0.47		n/a	United Arab Emirates	n/a	n/a	n/a	
63	China	13.85	56.42	0.47		n/a	Viet Nam	n/a	n/a	n/a	
64	Oman (2011)	13.74	55.73	0.46		n/a	Zambia	n/a	n/a	n/a	

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

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

NOTE: ● indicates a strength; ○ a weakness

2.1.5 Pupil-teacher ratio, secondary

Pupil-teacher ratio, secondary | 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	Georgia	7.25	100.00	1.00	●	65	Mauritius	15.17	76.64	0.43	
2	Croatia (2012)	7.81	98.36	0.99	●	66	Indonesia (2013)	15.38	76.02	0.42	
3	Malta	7.82	98.31	0.98	●	67	Tajikistan (2011)	15.44	75.83	0.41	
4	Luxembourg (2012)	7.88	98.13	0.97	●	68	Panama (2013)	15.52	75.60	0.40	
5	Greece (2007)	7.88	98.13	0.96	●	69	Korea, Rep.	15.61	75.32	0.39	
6	Venezuela, Bolivarian Rep.	7.89	98.11	0.96	●	70	Ghana	15.82	74.72	0.38	
7	Belarus	8.06	97.62	0.95	●	71	United Kingdom (2013)	15.87	74.57	0.38	○
8	Lithuania (2013)	8.10	97.49	0.94	●	72	Yemen (2011)	16.09	73.92	0.37	●
9	Kuwait (2009)	8.17	97.27	0.93	●	73	Jamaica	16.50	72.71	0.36	
10	Lebanon (2013)	8.21	97.17	0.92	●	74	Brazil (2013)	17.26	70.45	0.35	
11	Latvia (2013)	8.33	96.81	0.91	●	75	Sri Lanka (2012)	17.28	70.39	0.34	
12	Estonia (2012)	8.38	96.67	0.90		76	Iran, Islamic Rep.	17.51	69.71	0.33	
13	Honduras	8.63	95.91	0.89	●	77	Mexico (2012)	17.74	69.04	0.32	
14	Serbia	8.65	95.86	0.88	●	78	Bolivia, Plurinational St. (2007)	18.17	67.78	0.31	
15	Kazakhstan	8.66	95.84	0.88	●	79	Paraguay (2012)	18.40	67.08	0.30	
16	Russian Federation (2012)	8.76	95.53	0.87	●	80	Ecuador	18.61	66.47	0.29	
17	Switzerland (2012)	9.33	93.86	0.86		81	Mali	18.89	65.65	0.29	
18	Moldova, Rep.	9.38	93.72	0.85	●	82	Pakistan	19.20	64.72	0.28	
19	Belgium (2013)	9.45	93.51	0.84		83	Thailand (2011)	19.91	62.65	0.27	
20	Sweden (2012)	9.52	93.29	0.83		84	Turkey (2013)	20.13	61.98	0.26	
21	Poland (2013)	9.53	93.26	0.82	●	85	Cameroon	20.43	61.12	0.25	
22	Austria (2013)	9.67	92.85	0.81		86	Chile (2013)	21.00	59.42	0.24	○
23	Cyprus	9.72	92.71	0.80		87	Uganda (2013)	21.32	58.48	0.23	
24	Israel (2009)	9.76	92.58	0.79		88	Dominican Republic	21.37	58.33	0.22	
25	Portugal (2013)	9.77	92.55	0.79		89	Côte d'Ivoire	22.30	55.58	0.21	
26	Bahrain	9.86	92.30	0.78		90	Rwanda (2013)	22.79	54.13	0.21	
27	Benin	9.92	92.13	0.77	●	91	Madagascar	23.12	53.17	0.20	
28	Slovenia (2013)	10.07	91.68	0.76		92	Namibia (2007)	24.62	48.72	0.19	
29	Qatar	10.17	91.38	0.75		93	Colombia	24.90	47.91	0.18	○
30	Hungary (2013)	10.48	90.46	0.74		94	South Africa (2009)	25.05	47.47	0.17	○
31	TFYR of Macedonia (2012)	10.49	90.43	0.73	●	95	Niger	25.11	47.28	0.16	
32	Bosnia and Herzegovina	10.65	89.97	0.72	●	96	Togo (2011)	26.25	43.94	0.15	
33	Argentina (2008)	10.90	89.23	0.71	●	97	Tanzania, United Rep. (2012)	26.39	43.50	0.14	
34	Saudi Arabia	10.96	89.04	0.71		98	Philippines (2013)	26.99	41.74	0.13	
35	Botswana (2013)	11.15	88.48	0.70	●	99	Burkina Faso	27.09	41.45	0.13	
36	Slovakia (2013)	11.23	88.25	0.69		100	Senegal (2011)	27.35	40.68	0.12	
37	Uruguay (2010)	11.32	87.99	0.68		101	Nepal	28.84	36.28	0.11	
38	Spain (2012)	11.35	87.90	0.67		102	Cambodia (2007)	28.92	36.04	0.10	
39	Italy (2013)	11.38	87.82	0.66		103	India (2013)	30.78	30.55	0.09	○
40	Czech Republic (2013)	11.55	87.31	0.65		104	Nicaragua (2010)	30.83	30.41	0.08	
41	Japan (2012)	11.68	86.94	0.64		105	Mozambique (2013)	31.18	29.38	0.07	
42	Ukraine	11.78	86.61	0.63		106	Nigeria (2010)	33.08	23.77	0.06	
43	Egypt (2009)	12.13	85.58	0.63	●	107	Guinea (2011)	33.14	23.61	0.05	
44	Germany (2013)	12.56	84.34	0.62		108	Bangladesh (2013)	35.20	17.51	0.04	○
45	Guatemala	12.66	84.02	0.61		109	Burundi	37.22	11.56	0.04	
46	Finland (2013)	12.71	83.89	0.60	○	110	El Salvador (2013)	37.99	9.27	0.03	○
47	Romania (2013)	12.81	83.58	0.59		111	Ethiopia (2012)	38.78	6.96	0.02	○
48	France (2013)	12.94	83.21	0.58		112	Kenya (2012)	41.13	0.00	0.00	○
49	Kyrgyzstan	12.97	83.11	0.57		112	Malawi	70.40	0.00	0.00	○
50	Bulgaria	13.23	82.35	0.56		n/a	Algeria	n/a	n/a	n/a	
51	Malaysia (2013)	13.26	82.26	0.55		n/a	Armenia	n/a	n/a	n/a	
52	United Arab Emirates	13.27	82.22	0.54		n/a	Australia	n/a	n/a	n/a	
53	Hong Kong (China)	13.61	81.24	0.54		n/a	Azerbaijan	n/a	n/a	n/a	
54	Tunisia (2011)	13.62	81.18	0.53		n/a	Canada	n/a	n/a	n/a	
55	Mongolia	13.66	81.08	0.52		n/a	Denmark	n/a	n/a	n/a	
56	Netherlands (2013)	14.11	79.74	0.51	○	n/a	Iceland	n/a	n/a	n/a	
57	Peru	14.20	79.48	0.50		n/a	Ireland	n/a	n/a	n/a	
58	Albania	14.30	79.20	0.49		n/a	Jordan	n/a	n/a	n/a	
59	Bhutan	14.30	79.19	0.48		n/a	Montenegro	n/a	n/a	n/a	
60	Costa Rica	14.36	79.02	0.47		n/a	Morocco	n/a	n/a	n/a	
61	New Zealand (2012)	14.36	79.01	0.46		n/a	Norway	n/a	n/a	n/a	
62	United States of America (2013)	14.70	78.02	0.46		n/a	Oman	n/a	n/a	n/a	
63	Singapore (2009)	14.91	77.39	0.45	○	n/a	Viet Nam	n/a	n/a	n/a	
64	China (2013)	15.14	76.71	0.44		n/a	Zambia	n/a	n/a	n/a	

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

NOTE: ● indicates a strength; ○ a weakness

2.2.1 Tertiary enrolment

School enrolment, tertiary (% gross) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Greece	110.16	100.00	1.00	●	65	Georgia (2014)	39.18	35.09	0.47	
2	Korea, Rep. (2014)	95.35	86.45	0.99	●	66	Panama	38.74	34.69	0.46	
3	Finland	91.07	82.54	0.98	●	67	Mauritius (2014)	38.67	34.63	0.45	
4	Belarus (2014)	88.86	80.52	0.98	●	68	Malaysia	38.53	34.50	0.44	
5	United States of America	88.81	80.47	0.97		69	Bolivia, Plurinational St. (2007)	38.39	34.37	0.43	
6	Spain	87.07	78.88	0.96	●	70	Bahrain (2014)	36.84	32.95	0.43	
7	Australia	86.55	78.41	0.95	●	71	Philippines (2014)	35.75	31.96	0.42	
8	Slovenia	85.22	77.19	0.94	●	72	Paraguay (2010)	35.08	31.35	0.41	
9	Chile	83.82	75.91	0.93	●	73	Algeria (2014)	34.59	30.90	0.40	
10	Ukraine (2014)	82.31	74.53	0.93	●	74	Tunisia (2014)	34.58	30.89	0.39	
11	Iceland (2012)	82.23	74.46	0.92		75	Indonesia	31.29	27.88	0.38	
12	Denmark	81.24	73.55	0.91		76	Viet Nam (2014)	30.48	27.14	0.38	
13	Austria (2014)	80.00	72.42	0.90		77	Egypt	30.32	26.99	0.37	
14	Argentina	79.99	72.41	0.89	●	78	China	30.16	26.85	0.36	
15	New Zealand	79.71	72.16	0.88		79	Mexico	29.21	25.98	0.35	
16	Turkey	78.98	71.49	0.88	●	80	El Salvador	29.17	25.94	0.34	
17	Netherlands (2012)	78.50	71.05	0.87		81	Oman (2011)	28.58	25.40	0.33	
18	Russian Federation	78.00	70.59	0.86	●	82	Botswana (2014)	27.51	24.43	0.33	
19	Venezuela, Bolivarian Rep. (2009)	76.98	69.66	0.85	●	83	Jamaica	27.44	24.37	0.32	
20	Norway	76.12	68.87	0.84		84	Kuwait	27.03	23.98	0.31	
21	Ireland	73.17	66.17	0.83		85	Morocco (2014)	24.57	21.74	0.30	
22	Estonia	72.92	65.95	0.83		86	Tajikistan (2014)	24.47	21.65	0.29	
23	Belgium	72.31	65.39	0.82		87	India	23.89	21.11	0.28	
24	Lithuania	71.97	65.08	0.81		88	Azerbaijan (2014)	23.16	20.45	0.28	
25	Poland	71.16	64.34	0.80		89	United Arab Emirates (2014)	22.04	19.42	0.27	○
26	Bulgaria (2014)	70.79	63.99	0.79		90	Honduras (2014)	21.18	18.64	0.26	
27	Hong Kong (China) (2014)	68.78	62.16	0.78		91	Sri Lanka (2014)	20.71	18.20	0.25	
28	Latvia	66.95	60.49	0.78		92	South Africa	19.66	17.25	0.24	○
29	Israel	66.28	59.87	0.77		93	Luxembourg (2012)	19.41	17.02	0.23	○
30	Portugal	66.22	59.82	0.76		94	Guatemala	18.33	16.03	0.23	
31	Iran, Islamic Rep. (2014)	65.96	59.58	0.75	●	95	Cambodia (2011)	15.90	13.81	0.22	
32	Czech Republic	65.38	59.05	0.74		96	Nepal (2014)	15.83	13.75	0.21	
33	Mongolia (2014)	64.27	58.04	0.73		97	Qatar (2014)	15.83	13.75	0.20	
34	Italy	63.46	57.29	0.73		98	Ghana (2014)	15.57	13.50	0.19	
35	Sweden	63.39	57.24	0.72		99	Benin	15.36	13.32	0.19	
36	Uruguay (2010)	63.13	57.00	0.71	●	100	Bangladesh (2012)	13.39	11.51	0.18	
37	Albania (2014)	62.71	56.61	0.70	●	101	Cameroon (2011)	11.93	10.18	0.17	
38	Japan	62.41	56.34	0.69		102	Bhutan	10.93	9.26	0.16	
39	France	62.15	56.10	0.68		103	Guinea (2014)	10.85	9.19	0.15	
40	Croatia (2012)	61.67	55.66	0.68		104	Pakistan (2014)	10.36	8.74	0.14	
41	Saudi Arabia (2014)	61.11	55.15	0.67		105	Togo (2014)	10.12	8.52	0.13	
42	Germany	61.06	55.10	0.66		106	Yemen (2011)	9.97	8.39	0.13	
43	Serbia (2014)	58.05	52.35	0.65		107	Namibia (2008)	9.33	7.80	0.12	
44	Hungary	57.02	51.40	0.64		108	Côte d'Ivoire (2014)	8.68	7.21	0.11	
45	United Kingdom	56.87	51.27	0.63	○	109	Rwanda	7.53	6.16	0.10	
46	Switzerland	56.27	50.72	0.63		110	Senegal (2010)	7.39	6.03	0.09	
47	Montenegro (2010)	55.34	49.88	0.62		111	Mali (2012)	6.87	5.56	0.08	
48	Slovakia	54.43	49.04	0.61		112	Ethiopia (2014)	6.30	5.03	0.08	
49	Cyprus (2014)	53.10	47.83	0.60		113	Mozambique (2014)	5.97	4.73	0.07	
50	Costa Rica (2014)	53.04	47.77	0.59		114	Burkina Faso	4.78	3.64	0.06	
51	Romania	52.17	46.97	0.58		115	Uganda (2011)	4.48	3.37	0.05	○
52	Thailand	51.38	46.25	0.58		116	Burundi	4.41	3.30	0.04	
53	Colombia (2014)	51.29	46.17	0.57		117	Madagascar	4.25	3.15	0.03	○
54	Kazakhstan (2014)	48.48	43.59	0.56		118	Kenya (2009)	4.05	2.97	0.03	○
55	Jordan (2012)	47.59	42.78	0.55		119	Tanzania, United Rep.	3.65	2.61	0.02	○
56	Dominican Republic (2014)	47.52	42.72	0.54		120	Niger (2012)	1.71	0.84	0.01	○
57	Kyrgyzstan	47.33	42.55	0.53		121	Malawi (2011)	0.80	0.00	0.00	○
58	Armenia (2014)	46.64	41.92	0.53		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
59	Malta (2014)	45.08	40.49	0.52		n/a	Brazil	n/a	n/a	n/a	
60	Lebanon (2014)	42.77	38.38	0.51		n/a	Canada	n/a	n/a	n/a	
61	Moldova, Rep.	41.28	37.01	0.50		n/a	Nicaragua	n/a	n/a	n/a	
62	Peru (2010)	40.51	36.31	0.49		n/a	Nigeria	n/a	n/a	n/a	
63	Ecuador	40.48	36.29	0.48		n/a	Singapore	n/a	n/a	n/a	
64	TFYR of Macedonia	39.35	35.25	0.48		n/a	Zambia	n/a	n/a	n/a	

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	Oman (2014)	48.69	100.00	1.00	●	65	New Zealand (2012)	18.79	35.06	0.37	○
2	Iran, Islamic Rep. (2014)	46.56	95.35	0.99	●	66	Kyrgyzstan	18.28	33.96	0.36	
3	Tunisia (2014)	44.09	89.99	0.98	●	67	Latvia	17.90	33.14	0.35	
4	Morocco (2010)	34.91	70.06	0.97	●	68	Ghana (2014)	17.58	32.44	0.34	
5	Hong Kong (China) (2006)	34.67	69.54	0.96		69	Burkina Faso	17.55	32.38	0.33	
6	Malaysia	33.26	66.49	0.95	●	70	Botswana (2014)	17.49	32.25	0.32	
7	Korea, Rep. (2011)	31.92	63.57	0.94		71	Poland	17.42	32.09	0.31	○
8	India	29.11	57.48	0.93	●	72	Hungary (2012)	16.84	30.82	0.30	○
9	Greece (2012)	28.66	56.50	0.92	●	73	Albania (2014)	16.79	30.73	0.29	
10	Belarus (2014)	28.62	56.40	0.91	●	74	Guatemala (2007)	16.76	30.66	0.28	
11	Russian Federation (2009)	28.11	55.30	0.90	●	75	Georgia (2014)	16.69	30.51	0.27	
12	Tajikistan (2014)	28.07	55.22	0.89	●	76	Belgium (2012)	16.44	29.97	0.26	○
13	Austria	27.87	54.77	0.88		77	Luxembourg	16.25	29.55	0.25	○
14	Finland	27.86	54.75	0.87		78	Jordan (2011)	16.12	29.27	0.24	
15	Algeria (2014)	27.60	54.19	0.86	●	79	Australia (2011)	15.93	28.85	0.23	○
16	Qatar (2014)	27.56	54.11	0.85		80	Panama	15.86	28.69	0.22	
17	Mexico (2012)	26.88	52.64	0.84	●	81	Iceland (2010)	15.64	28.21	0.21	○
18	Saudi Arabia (2014)	26.85	52.57	0.83	●	82	Bangladesh (2012)	15.62	28.18	0.20	
19	Bhutan	26.83	52.51	0.82	●	83	Uruguay (2010)	15.60	28.14	0.19	
20	Kuwait	26.74	52.32	0.81	●	84	Bosnia and Herzegovina (2014)	15.38	27.65	0.18	
21	Serbia (2014)	26.21	51.17	0.80	●	85	United States of America	14.88	26.58	0.17	○
22	Portugal	26.09	50.92	0.79		86	Ecuador	14.87	26.55	0.16	
23	Moldova, Rep.	25.73	50.13	0.78		87	Dominican Republic (2014)	14.42	25.58	0.15	
24	Sweden	25.71	50.08	0.77		88	Netherlands (2012)	14.42	25.57	0.14	○
25	Kazakhstan (2014)	25.71	50.08	0.76		89	Argentina	14.14	24.97	0.13	
26	Philippines (2014)	25.53	49.70	0.75	●	90	Armenia (2014)	14.14	24.96	0.12	○
27	Ukraine (2014)	25.52	49.67	0.74		91	Costa Rica (2014)	13.12	22.75	0.11	○
28	Romania	25.49	49.62	0.73		92	Benin (2011)	12.67	21.78	0.10	
29	United Kingdom	25.18	48.94	0.72		93	Cambodia (2008)	12.49	21.39	0.09	○
30	Slovenia (2012)	24.74	47.98	0.71		94	Honduras (2014)	12.37	21.12	0.08	○
31	France	24.47	47.41	0.70		95	Nepal (2014)	12.08	20.48	0.07	
32	Croatia (2012)	23.85	46.05	0.69		96	Brazil (2012)	11.96	20.23	0.06	○
33	Ireland (2012)	23.76	45.87	0.68		97	Egypt	11.79	19.87	0.05	○
34	Lebanon (2011)	23.35	44.96	0.67		98	Ethiopia (2008)	11.22	18.62	0.04	
35	Czech Republic	23.22	44.68	0.66		99	Mozambique (2014)	8.13	11.92	0.03	○
36	Mauritius (2014)	22.93	44.06	0.65		100	Burundi	6.37	8.09	0.02	
37	Colombia (2014)	22.74	43.65	0.64		101	Niger (2008)	4.28	3.55	0.01	○
38	Rwanda (2012)	22.45	43.01	0.63		102	Namibia (2008)	2.64	0.00	0.00	○
39	Viet Nam (2014)	22.40	42.90	0.62		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
40	El Salvador	22.23	42.53	0.61		n/a	Canada	n/a	n/a	n/a	
41	Spain (2012)	22.21	42.49	0.60		n/a	China	n/a	n/a	n/a	
42	Lithuania	22.20	42.47	0.59		n/a	Côte d'Ivoire	n/a	n/a	n/a	
43	Estonia (2012)	22.12	42.30	0.58		n/a	Germany	n/a	n/a	n/a	
44	Switzerland	22.05	42.15	0.57	○	n/a	Guinea	n/a	n/a	n/a	
45	Azerbaijan (2014)	22.02	42.08	0.56		n/a	Israel	n/a	n/a	n/a	
46	Indonesia (2009)	21.68	41.35	0.55		n/a	Jamaica	n/a	n/a	n/a	
47	TFYR of Macedonia	21.23	40.35	0.54		n/a	Kenya	n/a	n/a	n/a	
48	Cameroon (2010)	21.02	39.91	0.53	●	n/a	Malawi	n/a	n/a	n/a	
49	Turkey (2012)	20.89	39.61	0.52		n/a	Mali	n/a	n/a	n/a	
50	Slovakia	20.51	38.80	0.51		n/a	Montenegro	n/a	n/a	n/a	
51	United Arab Emirates (2014)	20.43	38.61	0.50		n/a	Nicaragua	n/a	n/a	n/a	
52	Denmark	20.37	38.50	0.50	○	n/a	Nigeria	n/a	n/a	n/a	
53	Madagascar	20.28	38.29	0.49		n/a	Pakistan	n/a	n/a	n/a	
54	Italy (2012)	20.18	38.08	0.48		n/a	Paraguay	n/a	n/a	n/a	
55	Bulgaria	20.13	37.97	0.47		n/a	Peru	n/a	n/a	n/a	
56	Norway	19.97	37.62	0.46	○	n/a	Senegal	n/a	n/a	n/a	
57	Sri Lanka (2014)	19.95	37.58	0.45		n/a	Singapore	n/a	n/a	n/a	
58	Japan	19.93	37.55	0.44	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a	
59	Bahrain (2014)	19.48	36.56	0.43		n/a	Thailand	n/a	n/a	n/a	
60	Mongolia (2014)	19.48	36.56	0.42		n/a	Togo	n/a	n/a	n/a	
61	Chile (2012)	19.18	35.91	0.41		n/a	Uganda	n/a	n/a	n/a	
62	Malta (2012)	19.12	35.77	0.40		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
63	South Africa	19.00	35.52	0.39		n/a	Yemen	n/a	n/a	n/a	
64	Cyprus	18.96	35.44	0.38		n/a	Zambia	n/a	n/a	n/a	

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

NOTE: ● indicates a strength; ○ a weakness

2.2.3 Tertiary inbound mobility

Tertiary inbound mobility ratio (%) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Luxembourg (2012)	40.56	100.00	0.97	●	65	Morocco (2010)	1.92	9.91	0.40	
1	Qatar (2014)	39.90	100.00	0.97	●	66	Moldova, Rep.	1.88	9.69	0.39	
1	Singapore	19.17	100.00	0.97	●	67	Tunisia	1.85	9.51	0.38	
1	United Arab Emirates (2014)	44.82	100.00	0.97	●	68	Russian Federation	1.84	9.47	0.37	
5	Australia	17.97	93.75	0.96	●	69	Egypt	1.78	9.13	0.36	
6	United Kingdom	17.46	91.10	0.95		70	Madagascar	1.75	8.98	0.35	
7	Switzerland	16.86	87.95	0.94		71	Côte d'Ivoire (2014)	1.68	8.62	0.34	
8	New Zealand	16.12	84.06	0.93		72	Korea, Rep. (2014)	1.66	8.54	0.33	○
9	Austria (2014)	15.47	80.69	0.92	●	73	Botswana (2014)	1.63	8.38	0.32	
10	Cyprus (2014)	14.35	74.84	0.92	●	74	Poland	1.46	7.48	0.31	○
11	Bahrain (2014)	13.21	68.90	0.91	●	75	Togo (2007)	1.41	7.23	0.30	
12	Uganda (2011)	10.73	55.94	0.90	●	76	Cameroon (2011)	1.39	7.10	0.29	
13	France	10.24	53.34	0.89		77	Israel (2012)	1.19	6.06	0.28	○
14	Namibia (2008)	10.17	52.99	0.88	●	78	Malawi (2010)	1.14	5.79	0.27	
15	Denmark	10.13	52.76	0.87		79	Turkey	1.09	5.57	0.26	
16	Belgium	9.98	52.00	0.86		80	Burundi	1.00	5.07	0.25	
17	Hong Kong (China) (2014)	9.84	51.29	0.85		81	Rwanda	0.96	4.85	0.25	
18	Czech Republic	9.39	48.92	0.84		82	Guinea (2012)	0.92	4.66	0.24	
19	Jordan (2012)	9.11	47.45	0.83	●	83	Thailand (2012)	0.84	4.22	0.23	○
20	Benin (2010)	7.92	41.24	0.82	●	84	Honduras (2014)	0.69	3.48	0.22	
21	Lebanon (2014)	7.64	39.78	0.81	●	85	Mongolia (2014)	0.64	3.23	0.21	
22	Bosnia and Herzegovina (2014)	7.28	37.87	0.80	●	86	Algeria (2014)	0.64	3.19	0.20	
23	Netherlands (2012)	7.25	37.72	0.79		87	Ecuador (2012)	0.59	2.94	0.19	
24	Finland	7.07	36.82	0.78		88	Tajikistan (2014)	0.55	2.75	0.18	
25	Germany	7.07	36.81	0.77		89	Croatia (2012)	0.54	2.65	0.17	○
26	Ireland	6.45	33.55	0.76		90	Mali (2011)	0.53	2.61	0.16	
27	Iceland (2012)	6.21	32.30	0.75		91	El Salvador	0.43	2.10	0.15	
28	Malta (2014)	5.86	30.48	0.75		92	Mozambique (2014)	0.37	1.79	0.14	
29	Sweden	5.83	30.30	0.74		93	China	0.28	1.33	0.13	○
30	Hungary	5.76	29.97	0.73		94	Sri Lanka (2014)	0.28	1.29	0.12	○
31	Niger (2012)	5.43	28.21	0.72	●	95	Chile	0.26	1.19	0.11	○
32	Slovakia	4.86	25.25	0.71		96	Mexico	0.24	1.12	0.10	○
33	Saudi Arabia (2014)	4.80	24.91	0.70		97	Iran, Islamic Rep. (2014)	0.24	1.11	0.09	○
34	Italy	4.40	22.86	0.69		98	Brazil (2012)	0.21	0.95	0.08	○
35	Yemen (2011)	4.26	22.11	0.68	●	99	India	0.12	0.49	0.08	○
36	Greece	4.19	21.73	0.67		100	Indonesia (2012)	0.12	0.46	0.07	○
37	South Africa	4.09	21.22	0.66		101	Philippines (2008)	0.10	0.38	0.06	○
38	Bulgaria (2014)	3.98	20.66	0.65		102	Bangladesh (2009)	0.10	0.38	0.05	
39	Kyrgyzstan	3.96	20.53	0.64		103	Viet Nam (2014)	0.09	0.35	0.04	○
40	Armenia (2014)	3.95	20.49	0.63		104	Venezuela, Bolivarian Rep. (2008)	0.09	0.33	0.03	
41	United States of America	3.93	20.38	0.62		105	Cambodia (2006)	0.07	0.23	0.02	○
42	Portugal	3.92	20.34	0.61		106	Colombia (2014)	0.04	0.07	0.01	○
43	Ghana (2014)	3.90	20.23	0.60	●	107	Nepal (2011)	0.03	0.00	0.00	○
44	Mauritius (2014)	3.82	19.82	0.59		n/a	Argentina	n/a	n/a	n/a	
45	Latvia	3.71	19.24	0.58		n/a	Bhutan	n/a	n/a	n/a	
46	Serbia (2014)	3.67	19.04	0.58		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
47	Malaysia	3.62	18.79	0.57		n/a	Canada	n/a	n/a	n/a	
48	Norway	3.62	18.75	0.56		n/a	Costa Rica	n/a	n/a	n/a	
49	Japan	3.52	18.23	0.55		n/a	Ethiopia	n/a	n/a	n/a	
50	Romania	3.49	18.08	0.54		n/a	Guatemala	n/a	n/a	n/a	
51	Oman (2014)	3.04	15.72	0.53		n/a	Jamaica	n/a	n/a	n/a	
52	Burkina Faso	2.90	15.01	0.52	●	n/a	Kenya	n/a	n/a	n/a	
53	Estonia	2.89	14.98	0.51		n/a	Kuwait	n/a	n/a	n/a	
54	Belarus (2014)	2.88	14.92	0.50		n/a	Montenegro	n/a	n/a	n/a	
55	Spain	2.86	14.81	0.49	○	n/a	Nicaragua	n/a	n/a	n/a	
56	Georgia (2014)	2.83	14.63	0.48		n/a	Nigeria	n/a	n/a	n/a	
57	Ukraine (2014)	2.80	14.47	0.47		n/a	Pakistan	n/a	n/a	n/a	
58	Kazakhstan (2014)	2.66	13.75	0.46		n/a	Panama	n/a	n/a	n/a	
59	Slovenia	2.62	13.56	0.45		n/a	Paraguay	n/a	n/a	n/a	
60	Lithuania	2.45	12.67	0.44		n/a	Peru	n/a	n/a	n/a	
61	Dominican Republic (2014)	2.34	12.09	0.43		n/a	Senegal	n/a	n/a	n/a	
62	Azerbaijan (2014)	2.25	11.64	0.42		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
63	TFYR of Macedonia	2.16	11.14	0.42		n/a	Uruguay	n/a	n/a	n/a	
64	Albania (2014)	2.11	10.88	0.41		n/a	Zambia	n/a	n/a	n/a	

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)	8,255.40	100.00	1.00	●	65	Mexico (2011)	322.54	3.76	0.33	
2	Denmark	7,198.18	87.17	0.99	●	66	Venezuela, Bolivarian Rep. (2012)	290.95	3.38	0.32	
3	Finland	6,985.94	84.60	0.98	●	67	Bosnia and Herzegovina	266.61	3.09	0.31	
4	Korea, Rep.	6,899.00	83.55	0.97		68	Kenya (2010)	230.73	2.65	0.30	
5	Sweden	6,868.11	83.17	0.96		69	Philippines (2013)	221.31	2.54	0.29	
6	Singapore (2013)	6,665.19	80.71	0.95		70	Mauritius (2012)	181.11	2.05	0.28	
7	Iceland (2013)	5,993.08	72.55	0.94		71	Ecuador (2011)	180.30	2.04	0.27	
8	Norway	5,703.61	69.04	0.93		72	Paraguay (2012)	169.46	1.91	0.26	
9	Japan	5,386.15	65.19	0.92		73	Pakistan (2013)	166.92	1.88	0.25	
10	Austria	4,814.55	58.26	0.91	●	74	Bolivia, Plurinational St. (2010)	165.95	1.86	0.24	
11	Luxembourg	4,577.30	55.38	0.90		75	Botswana (2012)	164.90	1.85	0.23	
12	Australia (2010)	4,530.73	54.81	0.89		76	Albania (2008)	157.34	1.76	0.22	
13	Canada (2013)	4,518.51	54.67	0.88		77	India (2010)	156.64	1.75	0.21	
14	Switzerland (2012)	4,481.07	54.21	0.86		78	Colombia (2013)	151.95	1.69	0.20	
15	Netherlands	4,478.05	54.18	0.85		79	Kuwait (2012)	128.38	1.41	0.19	
16	Germany	4,459.48	53.95	0.84		80	Oman (2013)	127.27	1.39	0.18	
17	United Kingdom	4,252.36	51.44	0.83		81	Panama (2011)	118.96	1.29	0.17	
18	France	4,201.06	50.82	0.82		82	Sri Lanka (2013)	110.91	1.20	0.16	
19	Belgium	4,175.88	50.51	0.81		83	Indonesia (2009)	89.53	0.94	0.15	
20	Slovenia	4,149.91	50.19	0.80		84	Madagascar (2011)	51.02	0.47	0.14	
21	United States of America (2012)	4,018.63	48.60	0.79		85	Malawi (2010)	49.57	0.45	0.13	
22	New Zealand (2013)	4,008.71	48.48	0.78		86	Burkina Faso (2010)	47.50	0.43	0.11	
23	Ireland	3,732.06	45.13	0.77		87	Ethiopia (2013)	45.12	0.40	0.10	
24	Portugal	3,699.87	44.74	0.76		88	Zambia (2008)	40.87	0.35	0.09	
25	Czech Republic	3,418.46	41.32	0.75		89	Ghana (2010)	38.68	0.32	0.08	
26	Estonia	3,270.77	39.53	0.74		90	Nigeria (2007)	38.58	0.32	0.07	
27	Hong Kong (China) (2013)	3,135.99	37.89	0.73		91	Uganda (2010)	38.09	0.31	0.06	
28	Russian Federation	3,101.63	37.48	0.72		92	Mozambique (2010)	37.51	0.31	0.05	
29	Lithuania	2,961.47	35.78	0.71		93	Togo (2012)	35.93	0.29	0.04	
30	Slovakia	2,718.53	32.83	0.70		94	Mali (2010)	29.17	0.20	0.03	○
31	Greece	2,699.26	32.60	0.69		95	Guatemala (2012)	26.74	0.18	0.02	○
32	Hungary	2,650.58	32.01	0.68		96	Tanzania, United Rep. (2013)	18.49	0.08	0.01	○
33	Spain	2,640.93	31.89	0.67		97	Rwanda (2009)	12.29	0.00	0.00	○
34	Malta	2,132.99	25.73	0.66		n/a	Algeria	n/a	n/a	n/a	
35	Poland	2,037.21	24.56	0.65		n/a	Armenia	n/a	n/a	n/a	
36	Italy	2,006.68	24.19	0.64		n/a	Azerbaijan	n/a	n/a	n/a	
37	Latvia	1,884.03	22.71	0.63		n/a	Bahrain	n/a	n/a	n/a	
38	Bulgaria	1,817.86	21.90	0.61		n/a	Bangladesh	n/a	n/a	n/a	
39	Malaysia (2012)	1,793.55	21.61	0.60		n/a	Belarus	n/a	n/a	n/a	
40	Serbia	1,464.82	17.62	0.59		n/a	Benin	n/a	n/a	n/a	
41	Croatia	1,437.31	17.29	0.58		n/a	Bhutan	n/a	n/a	n/a	
42	Tunisia (2012)	1,393.10	16.75	0.57		n/a	Burundi	n/a	n/a	n/a	
43	Argentina (2013)	1,193.85	14.33	0.56		n/a	Cambodia	n/a	n/a	n/a	
44	Ukraine (2013)	1,165.18	13.99	0.55		n/a	Cameroon	n/a	n/a	n/a	
45	Turkey	1,156.51	13.88	0.54		n/a	Côte d'Ivoire	n/a	n/a	n/a	
46	China	1,113.07	13.35	0.53		n/a	Dominican Republic	n/a	n/a	n/a	
47	Romania	921.50	11.03	0.52		n/a	El Salvador	n/a	n/a	n/a	
48	Morocco (2012)	856.92	10.25	0.51		n/a	Guinea	n/a	n/a	n/a	
49	TFYR of Macedonia	838.45	10.02	0.50		n/a	Honduras	n/a	n/a	n/a	
50	Cyprus	749.79	8.95	0.49		n/a	Jamaica	n/a	n/a	n/a	
51	Kazakhstan (2013)	734.05	8.76	0.48		n/a	Jordan	n/a	n/a	n/a	
52	Brazil (2010)	698.10	8.32	0.47		n/a	Kyrgyzstan	n/a	n/a	n/a	
53	Iran, Islamic Rep. (2012)	691.41	8.24	0.46		n/a	Lebanon	n/a	n/a	n/a	
54	Egypt	681.61	8.12	0.45		n/a	Mongolia	n/a	n/a	n/a	
55	Moldova, Rep.	651.96	7.76	0.44		n/a	Namibia	n/a	n/a	n/a	
56	Montenegro (2013)	646.76	7.70	0.43		n/a	Nepal	n/a	n/a	n/a	
57	Qatar (2012)	597.06	7.09	0.42		n/a	Nicaragua	n/a	n/a	n/a	
58	Georgia	585.41	6.95	0.41		n/a	Niger	n/a	n/a	n/a	
59	Thailand (2011)	543.47	6.44	0.40		n/a	Peru	n/a	n/a	n/a	
60	Uruguay	504.16	5.97	0.39		n/a	Saudi Arabia	n/a	n/a	n/a	
61	Chile	427.98	5.04	0.38		n/a	Tajikistan	n/a	n/a	n/a	
62	South Africa (2012)	404.69	4.76	0.36		n/a	United Arab Emirates	n/a	n/a	n/a	
63	Senegal (2010)	361.12	4.23	0.35		n/a	Viet Nam	n/a	n/a	n/a	
64	Costa Rica (2013)	357.81	4.19	0.34		n/a	Yemen	n/a	n/a	n/a	

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) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Korea, Rep.	4.29	100.00	1.00	●	65	Jordan (2008)	0.43	9.18	0.40	
2	Israel	4.11	95.69	0.99	●	66	Mozambique (2010)	0.42	8.90	0.39	
3	Japan	3.58	83.34	0.98	●	67	Romania	0.38	7.97	0.38	
4	Finland	3.17	73.68	0.97		68	Chile	0.38	7.88	0.37	
5	Sweden	3.16	73.38	0.96	●	69	Ghana (2010)	0.38	7.81	0.36	
6	Denmark	3.08	71.59	0.95	●	70	Montenegro (2013)	0.37	7.76	0.36	
7	Austria (2015)	3.00	69.61	0.94	●	71	Moldova, Rep.	0.37	7.70	0.35	
8	Switzerland (2012)	2.97	68.80	0.93		72	Thailand (2011)	0.36	7.46	0.34	
9	Germany	2.84	65.87	0.93		73	Ecuador (2011)	0.34	6.95	0.33	
10	United States of America (2013)	2.73	63.12	0.92		74	Iran, Islamic Rep. (2012)	0.33	6.60	0.32	
11	Belgium	2.46	56.98	0.91		75	Uruguay (2013)	0.32	6.51	0.31	
12	Slovenia	2.39	55.14	0.90		76	Nepal (2010)	0.30	6.06	0.30	
13	France	2.26	52.07	0.89		77	Kuwait (2013)	0.30	6.05	0.29	
14	Australia (2013)	2.20	50.65	0.88		78	Pakistan (2013)	0.29	5.84	0.28	
15	China	2.05	47.12	0.87		79	Zambia (2008)	0.28	5.50	0.27	
16	Singapore (2013)	2.00	46.05	0.86		80	Bosnia and Herzegovina	0.26	5.09	0.26	
17	Czech Republic	2.00	45.98	0.85		81	Botswana (2012)	0.25	4.89	0.25	
18	Netherlands	1.97	45.40	0.84		82	Armenia	0.24	4.62	0.24	
19	Iceland	1.89	43.47	0.83		83	Mongolia	0.23	4.30	0.23	
20	Norway	1.71	39.15	0.82		84	Togo (2012)	0.22	4.15	0.22	
21	United Kingdom	1.70	38.99	0.81		85	Nigeria (2007)	0.22	4.10	0.21	
22	Canada	1.61	36.89	0.80		86	Azerbaijan	0.21	3.89	0.21	
23	Ireland	1.52	34.71	0.79		87	Burkina Faso (2009)	0.20	3.66	0.20	
24	Estonia	1.43	32.67	0.79		88	Colombia	0.20	3.55	0.19	○
25	Hungary	1.37	31.22	0.78		89	Viet Nam (2011)	0.19	3.43	0.18	
26	Italy	1.29	29.25	0.77		90	Mauritius (2012)	0.18	3.21	0.17	○
27	Portugal	1.29	29.21	0.76		91	Panama (2011)	0.18	3.20	0.16	
28	Luxembourg	1.26	28.52	0.75		92	Kazakhstan (2013)	0.17	3.06	0.15	
29	Brazil (2013)	1.24	28.05	0.74		93	Oman (2013)	0.17	2.97	0.14	
30	Spain	1.22	27.73	0.73		94	Bolivia, Plurinational St. (2009)	0.16	2.64	0.13	
31	Russian Federation	1.19	26.89	0.72		95	Albania (2008)	0.15	2.58	0.12	
32	New Zealand (2013)	1.17	26.53	0.71		96	Namibia (2010)	0.14	2.28	0.11	○
33	Malaysia (2012)	1.09	24.68	0.70		97	Philippines (2013)	0.14	2.19	0.10	○
34	Lithuania	1.01	22.84	0.69		98	Kyrgyzstan	0.13	1.92	0.09	
35	Turkey	1.01	22.66	0.68		99	Burundi (2011)	0.12	1.80	0.08	
36	Poland	0.94	21.09	0.67		100	Tajikistan (2013)	0.12	1.72	0.07	
37	Slovakia	0.89	19.81	0.66		101	Madagascar (2011)	0.11	1.44	0.07	
38	Malta	0.85	18.92	0.65		102	Sri Lanka (2013)	0.10	1.32	0.06	○
39	Greece	0.83	18.60	0.64		103	Georgia	0.10	1.26	0.05	○
40	India (2011)	0.82	18.31	0.64		104	Paraguay (2012)	0.09	1.02	0.04	○
41	Croatia	0.79	17.55	0.63		105	Indonesia (2013)	0.08	0.95	0.03	○
42	Kenya (2010)	0.79	17.45	0.62		106	Saudi Arabia (2009)	0.07	0.68	0.02	○
43	Bulgaria	0.78	17.42	0.61		107	El Salvador (2013)	0.06	0.30	0.01	○
44	Serbia	0.78	17.21	0.60		108	Guatemala (2012)	0.04	0.00	0.00	○
45	South Africa (2012)	0.73	16.18	0.59		n/a	Algeria	n/a	n/a	n/a	
46	Hong Kong (China) (2013)	0.73	16.14	0.58		n/a	Bahrain	n/a	n/a	n/a	
47	Morocco (2010)	0.71	15.77	0.57		n/a	Bangladesh	n/a	n/a	n/a	
48	United Arab Emirates	0.70	15.43	0.56		n/a	Benin	n/a	n/a	n/a	
49	Latvia	0.69	15.20	0.55		n/a	Bhutan	n/a	n/a	n/a	
50	Tunisia (2012)	0.68	14.98	0.54		n/a	Cambodia	n/a	n/a	n/a	
51	Egypt	0.68	14.93	0.53		n/a	Cameroon	n/a	n/a	n/a	
52	Belarus (2013)	0.67	14.81	0.52		n/a	Côte d'Ivoire	n/a	n/a	n/a	
53	Mali (2010)	0.67	14.79	0.51		n/a	Dominican Republic	n/a	n/a	n/a	
54	Ukraine	0.66	14.46	0.50		n/a	Guinea	n/a	n/a	n/a	
55	Argentina (2013)	0.61	13.35	0.50		n/a	Honduras	n/a	n/a	n/a	
56	Ethiopia (2013)	0.60	13.19	0.49	●	n/a	Jamaica	n/a	n/a	n/a	
57	Costa Rica (2013)	0.56	12.17	0.48		n/a	Lebanon	n/a	n/a	n/a	
58	Senegal (2010)	0.54	11.68	0.47		n/a	Malawi	n/a	n/a	n/a	
59	Mexico	0.54	11.62	0.46		n/a	Nicaragua	n/a	n/a	n/a	
60	Tanzania, United Rep. (2013)	0.53	11.41	0.45	●	n/a	Niger	n/a	n/a	n/a	
61	Uganda (2010)	0.48	10.15	0.44		n/a	Peru	n/a	n/a	n/a	
62	Cyprus	0.47	10.07	0.43		n/a	Rwanda	n/a	n/a	n/a	
63	Qatar (2012)	0.47	10.01	0.42		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
64	TFYR of Macedonia (2013)	0.44	9.33	0.41		n/a	Yemen	n/a	n/a	n/a	

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

NOTE: ● indicates a strength; ○ a weakness

2.3.3

Global R&D companies, average expenditure top 3

Average expenditure of the top 3 global companies by R&D, mn \$US | 2013

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Germany	7,304.67	100.00	1.00	●	45	Costa Rica	0.00	0.00	0.00	○
2	United States of America	7,293.40	99.98	0.99	●	45	Côte d'Ivoire	0.00	0.00	0.00	○
3	Switzerland	5,207.03	96.20	0.98	●	45	Croatia	0.00	0.00	0.00	○
4	Japan	4,694.61	95.03	0.98	●	45	Cyprus	0.00	0.00	0.00	○
5	Korea, Rep.	4,465.68	94.47	0.97		45	Dominican Republic	0.00	0.00	0.00	○
6	France	3,032.33	90.12	0.96	●	45	Ecuador	0.00	0.00	0.00	○
7	United Kingdom	2,813.40	89.28	0.95		45	Egypt	0.00	0.00	0.00	○
8	Netherlands	2,257.49	86.80	0.94		45	El Salvador	0.00	0.00	0.00	○
9	China	2,094.47	85.96	0.94		45	Estonia	0.00	0.00	0.00	○
10	Italy	2,029.00	85.61	0.93	●	45	Ethiopia	0.00	0.00	0.00	○
11	Sweden	1,996.26	85.42	0.92		45	Georgia	0.00	0.00	0.00	○
12	Finland	1,278.47	80.42	0.91		45	Ghana	0.00	0.00	0.00	○
13	Canada	929.83	76.84	0.91		45	Guatemala	0.00	0.00	0.00	○
14	Spain	926.81	76.80	0.90	●	45	Guinea	0.00	0.00	0.00	○
15	Denmark	696.48	73.60	0.89		45	Honduras	0.00	0.00	0.00	○
16	Ireland	624.83	72.38	0.88		45	Indonesia	0.00	0.00	0.00	○
17	Brazil	557.79	71.10	0.87	●	45	Iran, Islamic Rep.	0.00	0.00	0.00	○
18	Australia	511.46	70.13	0.87		45	Jamaica	0.00	0.00	0.00	○
19	Israel	440.50	68.46	0.86		45	Jordan	0.00	0.00	0.00	○
20	India	433.91	68.29	0.85	●	45	Kazakhstan	0.00	0.00	0.00	○
21	Belgium	402.07	67.43	0.84		45	Kenya	0.00	0.00	0.00	○
22	Russian Federation	300.24	64.16	0.83		45	Kuwait	0.00	0.00	0.00	○
23	Hong Kong (China)	267.10	62.85	0.83		45	Kyrgyzstan	0.00	0.00	0.00	○
24	Norway	212.64	60.30	0.82		45	Latvia	0.00	0.00	0.00	○
25	Saudi Arabia	173.42	58.02	0.81	●	45	Lebanon	0.00	0.00	0.00	○
26	Hungary	141.05	55.71	0.80		45	Lithuania	0.00	0.00	0.00	○
27	Singapore	120.96	54.00	0.80		45	Madagascar	0.00	0.00	0.00	○
28	Austria	107.95	52.73	0.79		45	Malawi	0.00	0.00	0.00	○
29	Venezuela, Bolivarian Rep.	100.79	51.96	0.78	●	45	Mali	0.00	0.00	0.00	○
30	Luxembourg	98.32	51.69	0.77		45	Mauritius	0.00	0.00	0.00	○
31	Slovenia	97.24	51.56	0.76		45	Moldova, Rep.	0.00	0.00	0.00	○
32	New Zealand	84.88	50.05	0.76		45	Mongolia	0.00	0.00	0.00	○
33	Portugal	73.09	48.39	0.75		45	Montenegro	0.00	0.00	0.00	○
34	Mexico	58.56	45.94	0.74		45	Morocco	0.00	0.00	0.00	○
35	Iceland	53.71	44.98	0.73		45	Mozambique	0.00	0.00	0.00	○
36	Turkey	50.84	44.38	0.72		45	Namibia	0.00	0.00	0.00	○
37	South Africa	45.98	43.27	0.72		45	Nepal	0.00	0.00	0.00	○
38	Thailand	41.39	42.12	0.71		45	Nicaragua	0.00	0.00	0.00	○
39	Czech Republic	38.53	41.33	0.70		45	Niger	0.00	0.00	0.00	○
40	Malta	34.53	40.13	0.69		45	Nigeria	0.00	0.00	0.00	○
41	United Arab Emirates	32.46	39.46	0.69		45	Oman	0.00	0.00	0.00	○
42	Malaysia	32.17	39.36	0.68		45	Pakistan	0.00	0.00	0.00	○
43	Greece	30.26	38.69	0.67		45	Panama	0.00	0.00	0.00	○
44	Poland	18.61	33.45	0.66		45	Paraguay	0.00	0.00	0.00	○
45	Albania	0.00	0.00	0.00	○	45	Peru	0.00	0.00	0.00	○
45	Algeria	0.00	0.00	0.00	○	45	Philippines	0.00	0.00	0.00	○
45	Argentina	0.00	0.00	0.00	○	45	Qatar	0.00	0.00	0.00	○
45	Armenia	0.00	0.00	0.00	○	45	Romania	0.00	0.00	0.00	○
45	Azerbaijan	0.00	0.00	0.00	○	45	Rwanda	0.00	0.00	0.00	○
45	Bahrain	0.00	0.00	0.00	○	45	Senegal	0.00	0.00	0.00	○
45	Bangladesh	0.00	0.00	0.00	○	45	Serbia	0.00	0.00	0.00	○
45	Belarus	0.00	0.00	0.00	○	45	Slovakia	0.00	0.00	0.00	○
45	Benin	0.00	0.00	0.00	○	45	Sri Lanka	0.00	0.00	0.00	○
45	Bhutan	0.00	0.00	0.00	○	45	Tajikistan	0.00	0.00	0.00	○
45	Bolivia, Plurinational St.	0.00	0.00	0.00	○	45	Tanzania, United Rep.	0.00	0.00	0.00	○
45	Bosnia and Herzegovina	0.00	0.00	0.00	○	45	TFYR of Macedonia	0.00	0.00	0.00	○
45	Botswana	0.00	0.00	0.00	○	45	Togo	0.00	0.00	0.00	○
45	Bulgaria	0.00	0.00	0.00	○	45	Tunisia	0.00	0.00	0.00	○
45	Burkina Faso	0.00	0.00	0.00	○	45	Uganda	0.00	0.00	0.00	○
45	Burundi	0.00	0.00	0.00	○	45	Ukraine	0.00	0.00	0.00	○
45	Cambodia	0.00	0.00	0.00	○	45	Uruguay	0.00	0.00	0.00	○
45	Cameroon	0.00	0.00	0.00	○	45	Viet Nam	0.00	0.00	0.00	○
45	Chile	0.00	0.00	0.00	○	45	Yemen	0.00	0.00	0.00	○
45	Colombia	0.00	0.00	0.00	○	45	Zambia	0.00	0.00	0.00	○

SOURCE: EU JRC Industrial R&D Investment Scoreboard 2014

NOTE: ● indicates a strength; ○ a weakness

2.3.4 QS university ranking average score top 3 universities

Average score of the top 3 universities at the QS world university ranking | 2015

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	United States of America	99.10	99.10	1.00	●	65	Bulgaria	6.67	6.67	0.50	
2	United Kingdom	97.83	97.83	0.99	●	66	Bangladesh	6.00	6.00	0.49	●
3	Switzerland	87.17	87.17	0.98	●	67	Sri Lanka	5.73	5.73	0.48	
4	Canada	85.63	85.63	0.97	●	68	Kuwait	5.23	5.23	0.47	
4	Hong Kong (China)	85.63	85.63	0.97		69	Kenya	4.60	4.60	0.46	
6	Australia	85.33	85.33	0.96	●	70	Serbia	4.27	4.27	0.46	
7	China	84.43	84.43	0.95		71	Tanzania, United Rep.	2.53	2.53	0.45	●
8	Japan	83.03	83.03	0.94		72	Ghana	2.33	2.33	0.44	
9	Korea, Rep.	79.97	79.97	0.94		73	Albania	0.00	0.00	0.00	○
10	France	78.73	78.73	0.93	●	73	Algeria	0.00	0.00	0.00	○
11	Germany	76.03	76.03	0.92		73	Armenia	0.00	0.00	0.00	○
12	Netherlands	75.80	75.80	0.91		73	Benin	0.00	0.00	0.00	○
13	Sweden	71.57	71.57	0.91		73	Bhutan	0.00	0.00	0.00	○
14	Denmark	69.97	69.97	0.90		73	Bolivia, Plurinational St.	0.00	0.00	0.00	○
15	Belgium	66.17	66.17	0.89		73	Bosnia and Herzegovina	0.00	0.00	0.00	○
16	Singapore	62.70	62.70	0.88		73	Botswana	0.00	0.00	0.00	○
17	Ireland	61.30	61.30	0.87		73	Burkina Faso	0.00	0.00	0.00	○
18	Finland	60.77	60.77	0.87		73	Burundi	0.00	0.00	0.00	○
19	New Zealand	60.20	60.20	0.86		73	Cambodia	0.00	0.00	0.00	○
20	India	57.07	57.07	0.85	●	73	Cameroon	0.00	0.00	0.00	○
21	Spain	56.30	56.30	0.84		73	Costa Rica	0.00	0.00	0.00	○
22	Israel	56.10	56.10	0.83		73	Côte d'Ivoire	0.00	0.00	0.00	○
23	Norway	55.30	55.30	0.83		73	Cyprus	0.00	0.00	0.00	○
24	Italy	52.90	52.90	0.82		73	Dominican Republic	0.00	0.00	0.00	○
25	Austria	52.43	52.43	0.81		73	Ecuador	0.00	0.00	0.00	○
26	Brazil	52.27	52.27	0.80	●	73	El Salvador	0.00	0.00	0.00	○
27	Russian Federation	51.53	51.53	0.80		73	Ethiopia	0.00	0.00	0.00	○
28	Malaysia	49.13	49.13	0.79		73	Georgia	0.00	0.00	0.00	○
29	Argentina	48.13	48.13	0.78	●	73	Guatemala	0.00	0.00	0.00	○
30	Saudi Arabia	48.03	48.03	0.77		73	Guinea	0.00	0.00	0.00	○
31	Chile	47.20	47.20	0.76		73	Honduras	0.00	0.00	0.00	○
32	South Africa	46.60	46.60	0.76		73	Iceland	0.00	0.00	0.00	○
33	Mexico	44.43	44.43	0.75	●	73	Jamaica	0.00	0.00	0.00	○
34	Colombia	40.60	40.60	0.74		73	Kyrgyzstan	0.00	0.00	0.00	○
35	Portugal	38.97	38.97	0.73		73	Latvia	0.00	0.00	0.00	○
36	Thailand	38.17	38.17	0.72		73	Luxembourg	0.00	0.00	0.00	○
37	Kazakhstan	36.07	36.07	0.72		73	Madagascar	0.00	0.00	0.00	○
38	Czech Republic	33.97	33.97	0.71		73	Malawi	0.00	0.00	0.00	○
39	Turkey	33.53	33.53	0.70		73	Mali	0.00	0.00	0.00	○
40	United Arab Emirates	32.47	32.47	0.69		73	Malta	0.00	0.00	0.00	○
41	Indonesia	32.33	32.33	0.69	●	73	Mauritius	0.00	0.00	0.00	○
42	Poland	31.73	31.73	0.68		73	Moldova, Rep.	0.00	0.00	0.00	○
43	Greece	31.47	31.47	0.67		73	Mongolia	0.00	0.00	0.00	○
44	Lebanon	30.80	30.80	0.66		73	Montenegro	0.00	0.00	0.00	○
45	Ukraine	29.17	29.17	0.65		73	Morocco	0.00	0.00	0.00	○
46	Egypt	28.50	28.50	0.65	●	73	Mozambique	0.00	0.00	0.00	○
47	Philippines	27.57	27.57	0.64		73	Namibia	0.00	0.00	0.00	○
48	Hungary	24.77	24.77	0.63		73	Nepal	0.00	0.00	0.00	○
49	Pakistan	22.70	22.70	0.62	●	73	Nicaragua	0.00	0.00	0.00	○
50	Venezuela, Bolivarian Rep.	22.10	22.10	0.61	●	73	Niger	0.00	0.00	0.00	○
51	Lithuania	22.07	22.07	0.61		73	Nigeria	0.00	0.00	0.00	○
52	Peru	21.07	21.07	0.60		73	Panama	0.00	0.00	0.00	○
53	Estonia	19.70	19.70	0.59		73	Paraguay	0.00	0.00	0.00	○
54	Iran, Islamic Rep.	19.10	19.10	0.58		73	Rwanda	0.00	0.00	0.00	○
55	Azerbaijan	18.63	18.63	0.57		73	Senegal	0.00	0.00	0.00	○
56	Belarus	17.27	17.27	0.57		73	Slovakia	0.00	0.00	0.00	○
57	Romania	16.40	16.40	0.56		73	Tajikistan	0.00	0.00	0.00	○
58	Jordan	15.87	15.87	0.55		73	TFYR of Macedonia	0.00	0.00	0.00	○
59	Bahrain	15.40	15.40	0.54		73	Togo	0.00	0.00	0.00	○
60	Uruguay	15.00	15.00	0.54		73	Tunisia	0.00	0.00	0.00	○
61	Qatar	9.90	9.90	0.53		73	Uganda	0.00	0.00	0.00	○
62	Oman	9.13	9.13	0.52		73	Viet Nam	0.00	0.00	0.00	○
63	Slovenia	8.50	8.50	0.51		73	Yemen	0.00	0.00	0.00	○
64	Croatia	6.80	6.80	0.50		73	Zambia	0.00	0.00	0.00	○

SOURCE: QS Quacquarelli Symonds Ltd, QS World University Ranking 2015/2016, Top Universities

NOTE: ● indicates a strength; ○ a weakness

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Luxembourg	9.49	94.91	1.00	●	65	Armenia	6.08	60.79	0.48	
2	Iceland	9.37	93.70	0.99	●	66	Turkey	6.00	60.04	0.47	
3	Hong Kong (China)	9.32	93.22	0.98	●	67	Iran, Islamic Rep.	5.97	59.71	0.46	
4	United Kingdom	9.24	92.43	0.98	●	68	Panama	5.72	57.21	0.45	
5	Germany	9.22	92.24	0.97	●	69	Bosnia and Herzegovina	5.71	57.10	0.44	
6	Switzerland	9.20	92.05	0.96		70	Jordan	5.69	56.91	0.43	
7	Malta	9.04	90.44	0.95	●	71	Morocco	5.65	56.53	0.43	
8	Netherlands	9.04	90.42	0.94		72	Colombia	5.54	55.42	0.42	
9	Korea, Rep.	9.00	89.95	0.93		73	Venezuela, Bolivarian Rep.	5.44	54.40	0.41	
10	Sweden	8.90	88.95	0.93		74	South Africa	5.31	53.07	0.40	
11	Japan	8.85	88.52	0.92		75	China	5.25	52.54	0.39	
12	France	8.77	87.75	0.91		76	Ecuador	5.21	52.07	0.39	
13	Denmark	8.72	87.23	0.90		77	Thailand	5.20	51.98	0.38	
14	Singapore	8.64	86.39	0.89		78	Egypt	5.12	51.21	0.37	
15	Belgium	8.45	84.53	0.89		79	El Salvador	5.04	50.37	0.36	
16	Australia	8.37	83.75	0.88		80	Tunisia	5.00	49.98	0.35	
17	Norway	8.24	82.43	0.87		81	Mongolia	4.97	49.66	0.34	
18	Ireland	8.24	82.43	0.86		82	Mexico	4.84	48.42	0.34	
19	Austria	8.21	82.10	0.85		83	Peru	4.68	46.84	0.33	
20	Qatar	8.13	81.32	0.84		84	Indonesia	4.60	45.96	0.32	
21	Canada	8.13	81.30	0.84		85	Jamaica	4.57	45.71	0.31	
22	New Zealand	8.08	80.79	0.83		86	Ghana	4.51	45.13	0.30	
23	Israel	7.98	79.83	0.82		87	Albania	4.50	44.95	0.30	
24	Slovenia	7.94	79.35	0.81		88	Paraguay	4.44	44.40	0.29	
25	Estonia	7.86	78.56	0.80		89	Viet Nam	4.43	44.26	0.28	
26	United Arab Emirates	7.86	78.56	0.80		90	Philippines	4.39	43.89	0.27	
27	United States of America	7.82	78.20	0.79		91	Bolivia, Plurinational St.	4.31	43.13	0.26	
28	Finland	7.81	78.10	0.78		92	Algeria	4.27	42.65	0.25	
29	Spain	7.80	78.04	0.77		93	Botswana	4.22	42.22	0.25	
30	Bahrain	7.79	77.85	0.76		94	Sri Lanka	4.17	41.68	0.24	
31	Portugal	7.77	77.75	0.75		95	Guatemala	4.16	41.63	0.23	
32	Italy	7.71	77.15	0.75		96	Kyrgyzstan	4.16	41.62	0.22	
33	Greece	7.71	77.14	0.74		97	Namibia	4.14	41.39	0.21	
34	Belarus	7.68	76.79	0.73		98	Dominican Republic	4.12	41.19	0.20	
35	Hungary	7.54	75.41	0.72		99	Honduras	4.05	40.46	0.20	
36	Saudi Arabia	7.42	74.24	0.71		100	Nicaragua	4.01	40.06	0.19	
37	Czech Republic	7.41	74.09	0.70		101	Cambodia	3.77	37.74	0.18	
38	Croatia	7.33	73.27	0.70		102	Bhutan	3.57	35.73	0.17	
39	Kuwait	7.31	73.08	0.69	●	103	Senegal	3.51	35.14	0.16	
40	Serbia	7.28	72.80	0.68		104	Côte d'Ivoire	3.44	34.39	0.16	
41	Oman	7.24	72.36	0.67		105	Mali	3.43	34.26	0.15	
42	Russian Federation	7.24	72.36	0.66		106	Kenya	3.30	32.99	0.14	
43	Latvia	7.23	72.32	0.66		107	Pakistan	3.15	31.47	0.13	
44	Uruguay	7.15	71.52	0.65		108	India	3.13	31.33	0.12	
45	Poland	7.15	71.45	0.64		109	Benin	3.08	30.77	0.11	
46	Slovakia	7.04	70.45	0.63		110	Nepal	2.92	29.18	0.11	
47	Lithuania	7.04	70.37	0.62		111	Cameroon	2.83	28.25	0.10	
48	Cyprus	7.04	70.35	0.61		112	Nigeria	2.82	28.22	0.09	
49	Kazakhstan	6.92	69.16	0.61		113	Bangladesh	2.82	28.17	0.08	
50	Bulgaria	6.85	68.54	0.60		114	Mozambique	2.74	27.41	0.07	
51	TFYR of Macedonia	6.75	67.53	0.59		115	Burkina Faso	2.63	26.33	0.07	
52	Montenegro	6.74	67.43	0.58		116	Zambia	2.63	26.30	0.06	○
53	Moldova, Rep.	6.70	67.03	0.57		117	Togo	2.59	25.85	0.05	
54	Romania	6.69	66.94	0.57		118	Rwanda	2.54	25.38	0.04	○
55	Malaysia	6.61	66.09	0.56		119	Tanzania, United Rep.	2.48	24.79	0.03	○
56	Argentina	6.60	66.00	0.55		120	Uganda	2.35	23.46	0.02	○
57	Lebanon	6.57	65.73	0.54		121	Malawi	1.96	19.62	0.02	○
58	Chile	6.55	65.50	0.53		122	Ethiopia	1.90	19.04	0.01	○
59	Mauritius	6.48	64.80	0.52		123	Madagascar	1.67	16.67	0.00	○
60	Costa Rica	6.30	62.99	0.52		n/a	Burundi	n/a	n/a	n/a	
61	Brazil	6.28	62.76	0.51		n/a	Guinea	n/a	n/a	n/a	
62	Ukraine	6.27	62.70	0.50		n/a	Niger	n/a	n/a	n/a	
63	Georgia	6.20	62.04	0.49		n/a	Tajikistan	n/a	n/a	n/a	
64	Azerbaijan	6.11	61.11	0.48		n/a	Yemen	n/a	n/a	n/a	

SOURCE: International Telecommunication Union, *Measuring the Information Society 2015*, ICT Development Index 2015

NOTE: ● indicates a strength; ○ a weakness

3.1.2 ICT use

ICT use index | 2015

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Denmark	8.83	88.32	1.00	●	65	Venezuela, Bolivarian Rep.	3.80	37.96	0.48	
2	Norway	8.43	84.30	0.99	●	66	Turkey	3.77	37.73	0.47	
3	United Kingdom	8.42	84.19	0.98	●	67	Bosnia and Herzegovina	3.74	37.38	0.46	
4	Korea, Rep.	8.42	84.17	0.98	●	68	Philippines	3.55	35.45	0.45	
5	Luxembourg	8.34	83.38	0.97		69	Kyrgyzstan	3.46	34.58	0.44	
6	Sweden	8.32	83.17	0.96	●	70	Albania	3.40	33.98	0.43	
7	Finland	8.21	82.07	0.95		71	Mexico	3.37	33.72	0.43	
8	Iceland	8.11	81.11	0.94		72	Tunisia	3.37	33.70	0.42	
9	Switzerland	8.01	80.08	0.93		73	South Africa	3.37	33.68	0.41	
10	Japan	7.98	79.81	0.93		74	Mauritius	3.25	32.50	0.40	
11	United States of America	7.86	78.62	0.92		75	Mongolia	3.20	32.01	0.39	
12	Netherlands	7.69	76.88	0.91		76	Armenia	3.19	31.91	0.39	
13	Estonia	7.66	76.62	0.90		77	Georgia	3.03	30.31	0.38	
14	New Zealand	7.63	76.32	0.89		78	Viet Nam	3.01	30.05	0.37	
15	Singapore	7.61	76.10	0.89		79	Dominican Republic	2.97	29.72	0.36	
16	Australia	7.58	75.83	0.88		80	Morocco	2.95	29.52	0.35	
17	Bahrain	7.56	75.55	0.87	●	81	Panama	2.92	29.19	0.34	
18	Hong Kong (China)	7.55	75.55	0.86		82	Ecuador	2.90	28.97	0.34	
19	France	7.23	72.31	0.85		83	Jamaica	2.76	27.55	0.33	
20	United Arab Emirates	6.99	69.86	0.84		84	Egypt	2.71	27.11	0.32	
21	Germany	6.98	69.81	0.84		85	Ghana	2.64	26.37	0.31	
22	Qatar	6.93	69.33	0.83		86	El Salvador	2.41	24.14	0.30	
23	Ireland	6.85	68.51	0.82		87	Botswana	2.37	23.65	0.30	
24	Canada	6.84	68.41	0.81		88	Jordan	2.36	23.61	0.29	
25	Belgium	6.76	67.59	0.80		89	Bolivia, Plurinational St.	2.33	23.27	0.28	
26	Spain	6.62	66.23	0.80		90	Bhutan	2.27	22.66	0.27	
27	Austria	6.47	64.70	0.79		91	Iran, Islamic Rep.	2.19	21.94	0.26	
28	Latvia	6.29	62.93	0.78		92	Ukraine	2.17	21.66	0.25	
29	Czech Republic	6.29	62.87	0.77		93	Peru	2.11	21.14	0.25	
30	Lithuania	6.10	61.04	0.76		94	Nigeria	1.81	18.13	0.24	
31	Malta	6.05	60.54	0.75		95	Indonesia	1.79	17.95	0.23	
32	Kuwait	6.03	60.33	0.75	●	96	Namibia	1.77	17.74	0.22	
33	Saudi Arabia	6.00	60.00	0.74		97	Kenya	1.76	17.60	0.21	
34	Slovakia	5.86	58.63	0.73		98	Paraguay	1.71	17.09	0.20	
35	Croatia	5.85	58.50	0.72		99	Algeria	1.52	15.19	0.20	
36	Italy	5.74	57.36	0.71		100	Sri Lanka	1.44	14.41	0.19	
37	Poland	5.62	56.20	0.70		101	Senegal	1.42	14.21	0.18	
38	Israel	5.57	55.75	0.70		102	Côte d'Ivoire	1.32	13.21	0.17	
39	Lebanon	5.54	55.40	0.69		103	Honduras	1.26	12.58	0.16	
40	Russian Federation	5.52	55.17	0.68		104	Guatemala	1.23	12.28	0.16	
41	Slovenia	5.42	54.17	0.67		105	Nepal	1.14	11.41	0.15	
42	Uruguay	5.41	54.09	0.66		106	Uganda	1.10	10.95	0.14	
43	Belarus	5.40	54.02	0.66		107	India	0.85	8.53	0.13	
44	Bulgaria	5.22	52.15	0.65		108	Cambodia	0.78	7.77	0.12	
45	Hungary	5.19	51.91	0.64		109	Nicaragua	0.77	7.70	0.11	
46	Brazil	5.16	51.62	0.63		110	Rwanda	0.73	7.30	0.11	
47	Portugal	5.14	51.45	0.62		111	Pakistan	0.69	6.89	0.10	
48	Costa Rica	5.12	51.24	0.61		112	Burkina Faso	0.63	6.34	0.09	
49	Greece	5.05	50.48	0.61		113	Zambia	0.62	6.19	0.08	
50	Oman	5.05	50.48	0.60		114	Mali	0.61	6.11	0.07	
51	Cyprus	4.89	48.89	0.59		115	Bangladesh	0.60	6.00	0.07	
52	Chile	4.88	48.76	0.58		116	Ethiopia	0.38	3.75	0.06	
53	Argentina	4.76	47.61	0.57		117	Cameroon	0.37	3.71	0.05	○
54	Malaysia	4.76	47.58	0.57		118	Togo	0.33	3.34	0.04	
55	TFYR of Macedonia	4.76	47.58	0.56		119	Malawi	0.33	3.34	0.03	○
56	Azerbaijan	4.70	46.96	0.55		120	Madagascar	0.33	3.32	0.02	○
57	Serbia	4.69	46.86	0.54		121	Mozambique	0.30	3.00	0.02	○
58	Kazakhstan	4.54	45.41	0.53		122	Benin	0.29	2.93	0.01	○
59	Romania	4.48	44.79	0.52		123	Tanzania, United Rep.	0.27	2.73	0.00	○
60	Thailand	4.28	42.81	0.52		n/a	Burundi	n/a	n/a	n/a	
61	Moldova, Rep.	4.02	40.16	0.51		n/a	Guinea	n/a	n/a	n/a	
62	Montenegro	3.91	39.10	0.50		n/a	Niger	n/a	n/a	n/a	
63	China	3.84	38.36	0.49		n/a	Tajikistan	n/a	n/a	n/a	
64	Colombia	3.83	38.25	0.48		n/a	Yemen	n/a	n/a	n/a	

SOURCE: International Telecommunication Union, *Measuring the Information Society 2015*, ICT Development Index 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	France	1.00	100.00	1.00	●	65	Slovakia	0.49	48.82	0.49	
2	Singapore	0.99	99.21	0.99	●	66	Ecuador	0.48	48.03	0.48	
3	Korea, Rep.	0.98	97.64	0.98	●	66	Philippines	0.48	48.03	0.48	
4	Japan	0.94	94.49	0.96		68	Cyprus	0.47	47.24	0.46	
4	Spain	0.94	94.49	0.96	●	68	Mauritius	0.47	47.24	0.46	
4	United States of America	0.94	94.49	0.96		70	Croatia	0.46	46.46	0.45	
7	Bahrain	0.94	93.70	0.95	●	71	Ethiopia	0.46	45.67	0.44	●
8	Australia	0.93	92.91	0.94		72	Albania	0.45	44.88	0.44	
8	Netherlands	0.93	92.91	0.94		73	Romania	0.44	44.09	0.42	
10	Canada	0.91	91.34	0.93		73	Thailand	0.44	44.09	0.42	
11	United Kingdom	0.90	89.76	0.92		75	Azerbaijan	0.43	43.31	0.41	
12	United Arab Emirates	0.88	88.19	0.91	●	76	Kenya	0.43	42.52	0.40	
13	Israel	0.87	87.40	0.90		76	Slovenia	0.43	42.52	0.40	
14	Uruguay	0.85	85.04	0.90	●	78	Viet Nam	0.42	41.73	0.39	
15	New Zealand	0.84	84.25	0.89		79	Honduras	0.40	40.16	0.37	
16	Chile	0.82	81.89	0.88	●	79	Malta	0.40	40.16	0.37	
17	Colombia	0.79	78.74	0.87	●	81	Bolivia, Plurinational St.	0.39	39.37	0.36	
18	Estonia	0.77	77.17	0.85		81	Serbia	0.39	39.37	0.36	
18	Finland	0.77	77.17	0.85		83	Dominican Republic	0.39	38.58	0.34	
18	Saudi Arabia	0.77	77.17	0.85	●	83	South Africa	0.39	38.58	0.34	
21	Lithuania	0.76	75.59	0.83		85	Czech Republic	0.37	37.01	0.32	○
21	Norway	0.76	75.59	0.83		85	Iran, Islamic Rep.	0.37	37.01	0.32	
23	Austria	0.75	74.80	0.81		85	Panama	0.37	37.01	0.32	
23	Italy	0.75	74.80	0.81		88	Indonesia	0.36	36.22	0.31	
23	Kazakhstan	0.75	74.80	0.81	●	89	Lebanon	0.35	35.43	0.30	
26	Oman	0.73	73.23	0.80	●	90	Bangladesh	0.35	34.65	0.29	
27	Russian Federation	0.71	70.87	0.79		91	Belarus	0.32	32.28	0.27	
28	Latvia	0.70	70.08	0.78		91	Namibia	0.32	32.28	0.27	
28	Sweden	0.70	70.08	0.78		91	Pakistan	0.32	32.28	0.27	
30	Morocco	0.69	69.29	0.77	●	94	Ghana	0.31	31.50	0.25	
31	Belgium	0.68	67.72	0.75		94	Jamaica	0.31	31.50	0.25	
31	Ireland	0.68	67.72	0.75		94	Mozambique	0.31	31.50	0.25	
31	Malaysia	0.68	67.72	0.75		97	Botswana	0.31	30.71	0.21	
34	Germany	0.67	66.93	0.74		97	Nigeria	0.31	30.71	0.21	
35	Denmark	0.66	66.14	0.72		97	Senegal	0.31	30.71	0.21	
35	Mexico	0.66	66.14	0.72		97	Yemen	0.31	30.71	0.21	
37	Qatar	0.65	65.35	0.71		101	Burkina Faso	0.30	29.92	0.20	
37	Sri Lanka	0.65	65.35	0.71	●	101	Tanzania, United Rep.	0.30	29.92	0.20	
39	Portugal	0.64	63.78	0.69		103	Bosnia and Herzegovina	0.28	28.35	0.19	
39	Tunisia	0.64	63.78	0.69	●	104	Kyrgyzstan	0.28	27.56	0.18	
41	Peru	0.63	62.99	0.68	●	105	Ukraine	0.27	26.77	0.17	
42	Luxembourg	0.62	62.20	0.67		106	Bhutan	0.24	24.41	0.15	
43	Armenia	0.61	61.42	0.64		106	Madagascar	0.24	24.41	0.15	
43	Costa Rica	0.61	61.42	0.64		106	TFYR of Macedonia	0.24	24.41	0.15	○
43	Iceland	0.61	61.42	0.64		109	Bulgaria	0.24	23.62	0.14	○
43	Mongolia	0.61	61.42	0.64		110	Paraguay	0.23	22.83	0.13	
47	China	0.61	60.63	0.63		111	Cameroon	0.20	19.69	0.13	
47	Greece	0.61	60.63	0.63		112	Cambodia	0.17	17.32	0.10	
49	Brazil	0.60	59.84	0.61		112	Côte d'Ivoire	0.17	17.32	0.10	
49	Georgia	0.60	59.84	0.61		112	Malawi	0.17	17.32	0.10	
51	Egypt	0.59	59.06	0.60		115	Nepal	0.16	15.75	0.10	
52	Kuwait	0.57	57.48	0.60		116	Guatemala	0.15	14.96	0.08	
53	Hungary	0.56	55.91	0.58		116	Uganda	0.15	14.96	0.08	
53	Turkey	0.56	55.91	0.58		118	Zambia	0.14	14.17	0.07	
55	Argentina	0.55	55.12	0.56		119	Mali	0.13	13.39	0.06	
55	Venezuela, Bolivarian Rep.	0.55	55.12	0.56		120	Niger	0.13	12.60	0.06	
57	India	0.54	54.33	0.55		121	Benin	0.11	11.02	0.04	○
57	Poland	0.54	54.33	0.55		121	Togo	0.11	11.02	0.04	○
59	El Salvador	0.54	53.54	0.54		123	Nicaragua	0.09	9.45	0.03	○
60	Moldova, Rep.	0.53	52.76	0.52		124	Algeria	0.08	7.87	0.02	
60	Montenegro	0.53	52.76	0.52		125	Tajikistan	0.06	6.30	0.02	○
62	Jordan	0.52	51.97	0.52		126	Burundi	0.02	1.57	0.01	○
63	Rwanda	0.51	51.18	0.51		127	Guinea	0.00	0.00	0.00	○
64	Switzerland	0.50	50.39	0.50	○	n/a	Hong Kong (China)	n/a	n/a	n/a	

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

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	●	64	Iceland	0.49	49.02	0.46	
1	Netherlands	1.00	100.00	0.99	●	64	Panama	0.49	49.02	0.46	
3	Uruguay	0.98	98.04	0.98	●	64	Poland	0.49	49.02	0.46	
4	France	0.96	96.08	0.96	●	64	Turkey	0.49	49.02	0.46	
4	Japan	0.96	96.08	0.96		64	Viet Nam	0.49	49.02	0.46	
4	United Kingdom	0.96	96.08	0.96		70	Jordan	0.47	47.06	0.44	
7	Australia	0.94	94.12	0.94	●	70	Malta	0.47	47.06	0.44	
7	Chile	0.94	94.12	0.94	●	70	Romania	0.47	47.06	0.44	
9	United States of America	0.92	92.16	0.94		73	Hungary	0.45	45.10	0.43	
10	Singapore	0.90	90.20	0.93		74	Azerbaijan	0.43	43.14	0.40	
11	Colombia	0.88	88.24	0.92	●	74	Kuwait	0.43	43.14	0.40	
12	Israel	0.86	86.27	0.91		74	Ukraine	0.43	43.14	0.40	
13	United Arab Emirates	0.84	84.31	0.90	●	77	Bolivia, Plurinational St.	0.41	41.18	0.38	
14	Bahrain	0.82	82.35	0.88	●	77	Kyrgyzstan	0.41	41.18	0.38	
14	Canada	0.82	82.35	0.88		77	Serbia	0.41	41.18	0.38	
14	Costa Rica	0.82	82.35	0.88	●	80	Bangladesh	0.39	39.22	0.35	
17	Greece	0.80	80.39	0.87	●	80	Ghana	0.39	39.22	0.35	
17	Morocco	0.80	80.39	0.87	●	80	Slovenia	0.39	39.22	0.35	○
19	Italy	0.78	78.43	0.84		80	Tanzania, United Rep.	0.39	39.22	0.35	
19	New Zealand	0.78	78.43	0.84		84	Switzerland	0.37	37.25	0.34	○
19	Spain	0.78	78.43	0.84		85	Belarus	0.35	35.29	0.31	
22	Estonia	0.76	76.47	0.83		85	Bhutan	0.35	35.29	0.31	
22	Kazakhstan	0.76	76.47	0.83	●	85	Madagascar	0.35	35.29	0.31	
24	Brazil	0.71	70.59	0.78	●	85	Senegal	0.35	35.29	0.31	
24	Finland	0.71	70.59	0.78		89	Croatia	0.33	33.33	0.25	○
24	Germany	0.71	70.59	0.78		89	Dominican Republic	0.33	33.33	0.25	
24	Latvia	0.71	70.59	0.78		89	Honduras	0.33	33.33	0.25	
24	Oman	0.71	70.59	0.78	●	89	Mozambique	0.33	33.33	0.25	
24	Peru	0.71	70.59	0.78	●	89	Namibia	0.33	33.33	0.25	
30	Mongolia	0.69	68.63	0.75		89	Nigeria	0.33	33.33	0.25	
30	Norway	0.69	68.63	0.75		89	Pakistan	0.33	33.33	0.25	
30	Russian Federation	0.69	68.63	0.75		89	South Africa	0.33	33.33	0.25	○
33	China	0.65	64.71	0.70		97	Botswana	0.31	31.37	0.23	
33	Ireland	0.65	64.71	0.70		97	Cyprus	0.31	31.37	0.23	○
33	Kenya	0.65	64.71	0.70		99	Indonesia	0.29	29.41	0.20	
33	Lithuania	0.65	64.71	0.70		99	Iran, Islamic Rep.	0.29	29.41	0.20	
33	Portugal	0.65	64.71	0.70		99	Lebanon	0.29	29.41	0.20	
33	Sri Lanka	0.65	64.71	0.70	●	99	Nepal	0.29	29.41	0.20	
33	Tunisia	0.65	64.71	0.70	●	103	Yemen	0.27	27.45	0.19	
40	Austria	0.63	62.75	0.66		104	Bulgaria	0.25	25.49	0.16	○
40	Belgium	0.63	62.75	0.66		104	Czech Republic	0.25	25.49	0.16	○
40	India	0.63	62.75	0.66		104	Ethiopia	0.25	25.49	0.16	
40	Moldova, Rep.	0.63	62.75	0.66		104	Paraguay	0.25	25.49	0.16	
40	Slovakia	0.63	62.75	0.66		108	Bosnia and Herzegovina	0.24	23.53	0.13	
45	El Salvador	0.61	60.78	0.63	●	108	Malawi	0.24	23.53	0.13	
45	Mexico	0.61	60.78	0.63		108	Niger	0.24	23.53	0.13	
45	Qatar	0.61	60.78	0.63		111	TFYR of Macedonia	0.22	21.57	0.13	○
45	Sweden	0.61	60.78	0.63	○	112	Cambodia	0.20	19.61	0.10	
49	Georgia	0.59	58.82	0.61		112	Guatemala	0.20	19.61	0.10	
49	Montenegro	0.59	58.82	0.61		112	Jamaica	0.20	19.61	0.10	○
51	Philippines	0.57	56.86	0.59		115	Benin	0.18	17.65	0.08	
51	Saudi Arabia	0.57	56.86	0.59		115	Côte d'Ivoire	0.18	17.65	0.08	○
51	Venezuela, Bolivarian Rep.	0.57	56.86	0.59		115	Zambia	0.18	17.65	0.08	
54	Argentina	0.55	54.90	0.55		118	Cameroon	0.16	15.69	0.06	○
54	Denmark	0.55	54.90	0.55	○	118	Mali	0.16	15.69	0.06	
54	Egypt	0.55	54.90	0.55		120	Burkina Faso	0.14	13.73	0.05	○
54	Luxembourg	0.55	54.90	0.55		120	Uganda	0.14	13.73	0.05	○
54	Thailand	0.55	54.90	0.55		122	Tajikistan	0.12	11.76	0.04	
59	Albania	0.53	52.94	0.52		123	Nicaragua	0.10	9.80	0.02	○
59	Armenia	0.53	52.94	0.52		123	Togo	0.10	9.80	0.02	○
59	Malaysia	0.53	52.94	0.52		125	Algeria	0.08	7.84	0.02	○
59	Mauritius	0.53	52.94	0.52		126	Burundi	0.06	5.88	0.01	○
63	Rwanda	0.51	50.98	0.51		127	Guinea	0.02	1.96	0.00	○
64	Ecuador	0.49	49.02	0.46		n/a	Hong Kong (China)	n/a	n/a	n/a	

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) | 2013

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Bahrain.	19,485.71	100.00	0.98	●	65	Brazil	2,851.65	14.56	0.46	
1	Iceland (2014)	54,915.15	100.00	0.98	●	66	Jordan	2,672.29	13.64	0.45	
1	Norway (2014)	27,550.00	100.00	0.98	●	67	Armenia	2,587.25	13.21	0.44	
4	Kuwait	18,095.55	92.86	0.97	●	68	Mexico (2014)	2,507.70	12.80	0.43	
5	Canada (2014)	17,991.53	92.33	0.97	●	69	Azerbaijan	2,479.19	12.65	0.42	
6	Qatar.	15,976.04	81.97	0.96	●	70	Thailand	2,472.87	12.62	0.42	
7	Sweden (2014)	15,889.18	81.53	0.95		71	Kyrgyzstan	2,449.48	12.50	0.41	
8	United States of America (2014)	13,515.13	69.33	0.94		72	Albania	2,399.66	12.24	0.40	
9	Finland (2014)	12,460.07	63.91	0.93		73	Panama	2,320.73	11.84	0.39	
10	United Arab Emirates	11,360.64	58.27	0.92	●	74	Mauritius	2,292.06	11.69	0.38	
11	Korea, Rep. (2014)	10,724.93	55.00	0.92		75	Georgia	2,240.31	11.42	0.37	
12	Australia (2014)	10,534.08	54.02	0.91		76	Costa Rica	2,101.64	10.71	0.36	
13	Saudi Arabia	9,851.44	50.52	0.90	●	77	Tajikistan	2,084.65	10.62	0.36	
14	New Zealand (2014)	9,654.32	49.50	0.89		78	Egypt	2,045.05	10.42	0.35	
15	Estonia (2014)	9,427.27	48.34	0.88		79	Mongolia	1,767.61	9.00	0.34	
16	Singapore	8,882.22	45.54	0.87		80	Dominican Republic	1,700.00	8.65	0.33	
17	Paraguay	8,879.56	45.52	0.86	●	81	Tunisia	1,687.88	8.59	0.32	
18	Switzerland (2014)	8,546.39	43.81	0.86		82	Jamaica	1,527.57	7.76	0.31	
19	France (2014)	8,418.36	43.16	0.85		83	Algeria	1,527.42	7.76	0.31	
20	Slovenia (2014)	8,330.10	42.70	0.84		84	Ecuador	1,477.70	7.51	0.30	
21	Czech Republic (2014)	8,066.35	41.35	0.83		85	Peru	1,427.62	7.25	0.29	
22	Japan (2014)	8,020.07	41.11	0.82		86	Lithuania	1,423.65	7.23	0.28	○
23	Russian Federation	7,395.73	37.90	0.81		87	Viet Nam	1,415.98	7.19	0.27	
24	Germany (2014)	7,389.61	37.87	0.81		88	Colombia	1,338.70	6.79	0.26	
25	Oman	7,228.65	37.04	0.80	●	89	Moldova, Rep.	1,261.52	6.40	0.25	
26	Austria (2014)	7,207.85	36.94	0.79		90	Honduras	996.79	5.04	0.25	
27	Israel (2014)	7,003.31	35.89	0.78		91	India	954.78	4.82	0.24	
28	Belgium (2014)	6,387.19	32.72	0.77		92	El Salvador	920.35	4.64	0.23	
29	Montenegro	6,362.90	32.60	0.76	●	93	Zambia	915.96	4.62	0.22	
30	Netherlands (2014)	6,079.89	31.14	0.75		94	Indonesia	862.36	4.35	0.21	
31	Bulgaria	5,924.21	30.34	0.75		95	Morocco	846.08	4.26	0.20	
32	Spain (2014)	5,895.89	30.20	0.74		96	Philippines	764.98	3.85	0.19	
33	Denmark (2014)	5,656.91	28.97	0.73		97	Bolivia, Plurinational St.	755.67	3.80	0.19	
34	Ireland (2014)	5,621.43	28.79	0.72		98	Nicaragua	684.70	3.43	0.18	
35	Kazakhstan	5,596.71	28.66	0.71		99	Guatemala	641.24	3.21	0.17	
36	Serbia	5,478.63	28.06	0.70		100	Sri Lanka	587.06	2.93	0.16	
37	Hong Kong (China)	5,445.76	27.89	0.69		101	Namibia	578.70	2.89	0.15	
38	Malta	5,366.67	27.48	0.69		102	Mozambique	576.66	2.88	0.14	
39	United Kingdom (2014)	5,149.26	26.36	0.68		103	Pakistan	537.34	2.68	0.14	
40	Portugal (2014)	5,008.95	25.64	0.67		104	Ghana	496.76	2.47	0.13	
41	Cyprus	4,931.03	25.24	0.66		105	Botswana	431.19	2.13	0.12	○
42	Slovakia (2014)	4,892.07	25.04	0.65		106	Côte d'Ivoire	372.39	1.83	0.11	
43	South Africa	4,762.83	24.38	0.64		107	Yemen	348.26	1.71	0.10	
44	Malaysia	4,655.05	23.83	0.64		108	Bangladesh	337.85	1.65	0.09	
45	Bosnia and Herzegovina	4,556.40	23.32	0.63		109	Cameroon	307.82	1.50	0.08	
46	Italy (2014)	4,542.88	23.25	0.62		110	Senegal	262.63	1.27	0.08	
47	Greece (2014)	4,329.48	22.15	0.61		111	Kenya	200.14	0.94	0.07	○
48	Chile (2014)	4,296.80	21.99	0.60		112	Nigeria	166.44	0.77	0.06	
49	Ukraine	4,258.21	21.79	0.59		113	Nepal	131.15	0.59	0.05	○
50	Poland (2014)	4,117.91	21.07	0.58		114	Cambodia	117.44	0.52	0.04	○
51	Lebanon	4,061.07	20.78	0.58		115	Tanzania, United Rep.	113.18	0.50	0.03	○
52	Venezuela, Bolivarian Rep.	4,049.98	20.72	0.57		116	Ethiopia	92.66	0.39	0.03	
53	China	3,997.46	20.45	0.56		117	Niger	24.85	0.04	0.02	
54	Iran, Islamic Rep.	3,490.91	17.85	0.55		118	Benin	16.76	0.00	0.01	○
55	Uruguay	3,419.94	17.48	0.54		119	Togo	16.28	0.00	0.00	○
56	Luxembourg (2014)	3,403.64	17.40	0.53		n/a	Bhutan	n/a	n/a	n/a	
57	Argentina	3,357.56	17.16	0.53		n/a	Burkina Faso	n/a	n/a	n/a	
58	Belarus	3,327.03	17.00	0.52		n/a	Burundi	n/a	n/a	n/a	
59	Turkey (2014)	3,265.55	16.69	0.51		n/a	Guinea	n/a	n/a	n/a	
60	Croatia	3,128.17	15.98	0.50		n/a	Madagascar	n/a	n/a	n/a	
61	Latvia	3,089.05	15.78	0.49		n/a	Malawi	n/a	n/a	n/a	
62	Hungary (2014)	2,970.39	15.17	0.48		n/a	Mali	n/a	n/a	n/a	
63	Romania	2,929.73	14.96	0.47		n/a	Rwanda	n/a	n/a	n/a	
64	TFYR of Macedonia	2,888.15	14.75	0.47		n/a	Uganda	n/a	n/a	n/a	

SOURCE: International Energy Agency (IEA) *World Energy Balances on-line data service, 2015 edition*

NOTE: ● indicates a strength; ○ a weakness

3.2.2 Logistics performance

Logistics Performance Index | 2014

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	●	65	Jordan	2.87	35.60	0.48	
2	Netherlands	4.05	96.17	0.99	●	66	Dominican Republic	2.86	34.91	0.47	
3	Belgium	4.04	96.01	0.98	●	67	Jamaica	2.84	33.98	0.46	
4	United Kingdom	4.01	94.46	0.98	●	68	Peru	2.84	33.89	0.45	
5	Singapore	4.00	93.94	0.97		69	Pakistan	2.83	33.10	0.44	
6	Sweden	3.96	91.71	0.96	●	70	Malawi	2.81	32.46	0.43	
7	Norway	3.96	91.55	0.95	●	71	Kenya	2.81	32.41	0.43	
8	Luxembourg	3.95	90.96	0.94		72	Nigeria	2.81	32.24	0.42	
9	United States of America	3.92	89.47	0.93		73	Venezuela, Bolivarian Rep.	2.81	32.21	0.41	
10	Japan	3.91	89.30	0.93		74	Guatemala	2.80	31.66	0.40	
11	Ireland	3.87	86.90	0.92		75	Paraguay	2.78	30.74	0.39	
12	Canada	3.86	86.25	0.91		76	Côte d'Ivoire	2.76	29.83	0.39	
13	France	3.85	85.83	0.90		77	Rwanda	2.76	29.68	0.38	
14	Switzerland	3.84	85.65	0.89		78	Bosnia and Herzegovina	2.75	29.08	0.37	
15	Hong Kong (China)	3.83	84.77	0.89		79	Cambodia	2.74	28.76	0.36	
16	Australia	3.81	83.94	0.88		80	Lebanon	2.73	27.96	0.35	
17	Denmark	3.78	82.48	0.87		81	Ecuador	2.71	27.19	0.34	
18	Spain	3.72	79.19	0.86		82	Costa Rica	2.70	26.66	0.34	
19	Italy	3.69	77.77	0.85		83	Kazakhstan	2.70	26.60	0.33	
20	Korea, Rep.	3.67	76.48	0.84		84	Sri Lanka	2.70	26.38	0.32	
21	Austria	3.65	75.57	0.84		85	Russian Federation	2.69	26.34	0.31	
22	New Zealand	3.64	75.33	0.83		86	Uruguay	2.68	25.53	0.30	
23	Finland	3.62	74.25	0.82		87	Armenia	2.67	25.22	0.30	
24	Malaysia	3.59	72.57	0.81		88	Namibia	2.66	24.45	0.29	
25	Portugal	3.56	71.02	0.80		89	Moldova, Rep.	2.65	24.22	0.28	
26	United Arab Emirates	3.54	69.92	0.80		90	Nicaragua	2.65	24.22	0.27	
27	China	3.53	69.53	0.79		91	Algeria	2.65	24.02	0.26	
28	Qatar	3.52	68.77	0.78		92	Colombia	2.64	23.51	0.25	
29	Turkey	3.50	67.92	0.77		93	Burkina Faso	2.64	23.44	0.25	
30	Poland	3.49	67.59	0.76		94	Belarus	2.64	23.44	0.24	
31	Czech Republic	3.49	67.52	0.75		95	Ghana	2.63	22.86	0.23	
32	Hungary	3.46	66.07	0.75		96	Senegal	2.62	22.61	0.22	
33	South Africa	3.43	64.36	0.74		97	Honduras	2.61	21.85	0.21	
34	Thailand	3.43	64.27	0.73		98	Ethiopia	2.59	21.14	0.20	
35	Latvia	3.40	62.89	0.72		99	Nepal	2.59	20.84	0.20	
36	Iceland	3.39	62.33	0.71		100	Burundi	2.57	19.70	0.19	
37	Slovenia	3.38	61.88	0.70		101	Bangladesh	2.56	19.58	0.18	
38	Estonia	3.35	59.96	0.70		102	Benin	2.56	19.45	0.17	
39	Israel	3.26	55.55	0.69		103	Tunisia	2.55	18.94	0.16	○
40	Chile	3.26	55.31	0.68		104	Tajikistan	2.53	17.72	0.16	
41	Slovakia	3.25	55.24	0.67		105	Mauritius	2.51	17.08	0.15	○
42	Greece	3.20	52.51	0.66		106	Georgia	2.51	16.69	0.14	
43	Panama	3.19	52.10	0.66		107	TFYR of Macedonia	2.50	16.26	0.13	○
44	Lithuania	3.18	51.31	0.65		108	Mali	2.50	16.06	0.12	
45	Bulgaria	3.16	50.22	0.64		109	Botswana	2.49	15.93	0.11	○
46	Viet Nam	3.15	50.09	0.63		110	Bolivia, Plurinational St.	2.48	15.31	0.11	
47	Saudi Arabia	3.15	49.77	0.62		111	Guinea	2.46	14.46	0.10	
48	Mexico	3.13	48.73	0.61		112	Zambia	2.46	14.38	0.09	
49	Malta	3.11	47.59	0.61		113	Azerbaijan	2.45	13.64	0.08	○
50	Bahrain	3.08	46.40	0.60		114	Niger	2.39	10.81	0.07	
51	Indonesia	3.08	46.33	0.59		115	Madagascar	2.38	10.24	0.07	
52	India	3.08	46.24	0.58		116	Mongolia	2.36	8.86	0.06	○
53	Croatia	3.05	44.84	0.57		117	Tanzania, United Rep.	2.33	7.58	0.05	
54	Kuwait	3.01	42.69	0.57		118	Togo	2.32	6.94	0.04	
55	Philippines	3.00	42.31	0.56		119	Cameroon	2.30	5.81	0.03	○
56	Cyprus	3.00	42.14	0.55		120	Bhutan	2.29	5.48	0.02	○
57	Oman	3.00	41.85	0.54		121	Mozambique	2.23	2.32	0.02	○
58	Argentina	2.99	41.41	0.53		122	Kyrgyzstan	2.21	1.31	0.01	○
59	Ukraine	2.98	40.89	0.52		123	Yemen	2.18	0.00	0.00	○
60	Egypt	2.97	40.35	0.52		n/a	Albania	n/a	n/a	n/a	
61	Serbia	2.96	40.18	0.51		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
62	El Salvador	2.96	40.07	0.50		n/a	Morocco	n/a	n/a	n/a	
63	Brazil	2.94	39.22	0.49		n/a	Romania	n/a	n/a	n/a	
64	Montenegro	2.88	35.68	0.48		n/a	Uganda	n/a	n/a	n/a	

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

NOTE: ● indicates a strength; ○ a weakness

3.2.3 Gross capital formation

Gross capital formation (% of GDP) | 2015

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Bhutan	55.91	100.00	1.00	●	65	Moldova, Rep.	21.94	36.61	0.48	
2	Algeria	49.05	87.19	0.99	●	66	Japan	21.80	36.34	0.48	
3	Mozambique	48.64	86.43	0.98	●	67	Honduras	21.76	36.26	0.47	
4	China	44.31	78.35	0.98	●	68	Bulgaria	21.70	36.16	0.46	
5	Niger	43.83	77.45	0.97	●	69	France	21.68	36.12	0.45	○
6	Ethiopia	39.50	69.37	0.96	●	70	Tunisia	21.47	35.73	0.44	
7	Indonesia	33.95	59.02	0.95	●	71	Hungary	21.47	35.73	0.44	
8	Belarus	33.92	58.96	0.94	●	72	Slovakia	21.28	35.38	0.43	
9	Morocco	33.44	58.06	0.94	●	73	Lithuania	21.13	35.10	0.42	
10	Uganda	33.36	57.91	0.93	●	74	Kuwait	20.81	34.49	0.41	
11	Botswana	32.80	56.87	0.92	●	75	Ireland	20.79	34.46	0.40	○
12	Georgia	32.28	55.90	0.91	●	76	Philippines	20.73	34.34	0.40	
13	Mongolia	31.60	54.63	0.90	●	77	Israel	20.66	34.21	0.39	○
14	Zambia	30.94	53.40	0.90	●	78	Turkey	20.56	34.02	0.38	
15	Tanzania, United Rep.	30.87	53.26	0.89	●	79	Jordan	20.32	33.58	0.37	
16	Kazakhstan	30.83	53.18	0.88	●	80	United States of America	20.31	33.55	0.36	○
17	Iran, Islamic Rep.	30.79	53.11	0.87	●	81	Bolivia, Plurinational St.	20.30	33.53	0.35	
18	India	30.71	52.97	0.86	●	82	Finland	20.26	33.46	0.35	○
19	Mali	30.47	52.52	0.85	●	83	Dominican Republic	20.25	33.45	0.34	
20	Albania	29.91	51.47	0.85	●	84	Poland	20.08	33.12	0.33	○
21	Sri Lanka	29.79	51.24	0.84	●	85	South Africa	19.95	32.89	0.32	
22	Saudi Arabia	29.67	51.03	0.83	●	86	Denmark	19.90	32.79	0.31	○
23	Namibia	29.57	50.84	0.82	●	87	Slovenia	19.81	32.62	0.31	○
24	Oman	29.50	50.71	0.81	●	88	Spain	19.76	32.54	0.30	○
25	Bangladesh	29.46	50.64	0.81	●	89	Costa Rica	19.67	32.37	0.29	
26	Nepal	28.94	49.67	0.80	●	90	Armenia	19.59	32.21	0.28	
27	Korea, Rep.	28.63	49.09	0.79		91	Uruguay	19.38	31.83	0.27	
28	Panama	28.50	48.84	0.78	●	92	Malta	19.09	31.28	0.27	○
29	Kyrgyzstan	28.22	48.32	0.77	●	93	Germany	18.77	30.68	0.26	○
30	Norway	28.21	48.30	0.77		94	Iceland	18.76	30.67	0.25	○
31	Nicaragua	27.49	46.95	0.76	●	95	Russian Federation	18.74	30.62	0.24	○
32	Senegal	26.89	45.83	0.75	●	96	Côte d'Ivoire	18.51	30.20	0.23	
33	Singapore	26.60	45.30	0.74		97	Luxembourg	18.20	29.63	0.23	○
34	Malaysia	26.54	45.19	0.73		98	Brazil	18.03	29.31	0.22	○
35	Czech Republic	26.33	44.79	0.73		99	Netherlands	17.88	29.03	0.21	○
36	Australia	26.32	44.78	0.72		100	Venezuela, Bolivarian Rep.	17.85	28.97	0.20	
37	Montenegro	26.28	44.69	0.71		101	Croatia	17.68	28.65	0.19	○
38	Estonia	25.56	43.35	0.70		102	Bahrain	17.62	28.53	0.19	
39	Mauritius	25.41	43.07	0.69		103	Bosnia and Herzegovina	17.57	28.44	0.18	
40	Peru	25.36	42.98	0.69	●	104	United Kingdom	17.54	28.39	0.17	○
41	Rwanda	25.27	42.81	0.68	●	105	Argentina	17.38	28.09	0.16	
42	Thailand	24.68	41.72	0.67		106	Nigeria	17.36	28.05	0.15	
43	Ecuador	24.67	41.70	0.66	●	107	Serbia	17.27	27.89	0.15	○
44	Togo	24.58	41.52	0.65	●	108	Paraguay	16.80	27.01	0.14	
45	Sweden	24.47	41.31	0.65		109	Italy	16.28	26.03	0.13	○
46	United Arab Emirates	24.24	40.90	0.64		110	Madagascar	16.26	26.00	0.12	
47	Romania	24.18	40.77	0.63		111	Jamaica	16.00	25.52	0.11	○
48	Colombia	24.01	40.47	0.62		112	Pakistan	15.12	23.87	0.10	
49	Viet Nam	23.93	40.31	0.61		113	Egypt	14.78	23.24	0.10	
50	Kenya	23.84	40.15	0.60		114	Portugal	14.69	23.08	0.09	○
51	Switzerland	23.80	40.07	0.60		115	Burundi	14.67	23.03	0.08	
52	Ghana	23.77	40.01	0.59	●	116	Burkina Faso	13.80	21.41	0.07	
53	New Zealand	23.66	39.81	0.58		117	El Salvador	13.60	21.03	0.06	
54	Canada	23.63	39.76	0.57	○	118	Malawi	13.43	20.72	0.06	
55	Latvia	23.48	39.47	0.56		119	Tajikistan	12.96	19.85	0.05	
56	Hong Kong (China)	23.21	38.97	0.56		120	Guatemala	12.72	19.40	0.04	○
57	Cameroon	22.65	37.93	0.55	●	121	Guinea	12.46	18.90	0.03	
58	Benin	22.50	37.65	0.54	●	122	Cyprus	11.90	17.87	0.02	○
59	Cambodia	22.50	37.65	0.53	●	123	Ukraine	11.61	17.33	0.02	○
60	Chile	22.34	37.36	0.52		124	Greece	8.98	12.41	0.01	○
61	Austria	22.34	37.34	0.52	○	125	Yemen	2.33	0.00	0.00	○
62	Azerbaijan	22.30	37.28	0.51		n/a	Lebanon	n/a	n/a	n/a	
63	Mexico	22.10	36.90	0.50		n/a	Qatar	n/a	n/a	n/a	
64	Belgium	22.03	36.77	0.49	○	n/a	TFYR of Macedonia	n/a	n/a	n/a	

SOURCE: International Monetary Fund, *World Economic Outlook Database*, 2015

NOTE: ● indicates a strength; ○ a weakness

3.3.1 GDP per unit of energy use

GDP per unit of energy use (2005 PPP\$ per kg of oil equivalent) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	23.81	100.00	1.00	●	65	Senegal	7.35	23.99	0.46	
2	Sri Lanka	17.24	69.66	0.99	●	66	Tajikistan	7.25	23.49	0.44	
3	Colombia	16.39	65.75	0.98	●	66	TFYR of Macedonia	7.25	23.49	0.44	
4	Panama	16.13	64.52	0.97	●	68	Australia (2014)	7.14	23.02	0.43	○
5	Dominican Republic	14.49	56.97	0.97	●	69	Georgia	7.09	22.78	0.42	
6	Peru	14.29	56.01	0.96	●	70	Belgium (2014)	7.04	22.55	0.42	○
7	Ireland (2014)	14.29	56.01	0.95	●	71	Saudi Arabia	6.94	22.10	0.39	
8	Singapore	14.08	55.08	0.94		71	United Arab Emirates	6.94	22.10	0.39	
9	Mauritius	13.89	54.18	0.92	●	71	Venezuela, Bolivarian Rep.	6.94	22.10	0.39	
9	Switzerland (2014)	13.89	54.18	0.92		74	Armenia	6.90	21.88	0.38	
11	Malta	13.70	53.30	0.92		75	Bolivia, Plurinational St.	6.90	21.88	0.36	
12	United Kingdom (2014)	12.82	49.24	0.91		75	Nicaragua	6.90	21.88	0.36	
13	Uruguay	12.50	47.76	0.90	●	77	Kuwait	6.85	21.66	0.35	
14	Philippines	12.50	47.76	0.89	●	77	Viet Nam	6.85	21.66	0.35	
15	Costa Rica	12.05	45.67	0.88	●	79	Malaysia	6.71	21.02	0.33	
16	Bangladesh	11.76	44.36	0.87	●	79	United States of America (2014)	6.71	21.02	0.33	○
17	Botswana	11.49	43.12	0.86	●	81	Cambodia	6.62	20.61	0.32	
18	Denmark (2014)	11.36	42.51	0.86		82	Montenegro	6.49	20.02	0.31	
19	Albania	11.24	41.92	0.85	●	83	Qatar	6.45	19.82	0.31	
20	Italy (2014)	11.11	41.35	0.84		84	Jamaica	6.37	19.44	0.30	
21	Morocco	10.99	40.78	0.82	●	85	Czech Republic (2014)	6.33	19.26	0.29	○
21	Spain (2014)	10.99	40.78	0.82		86	Nigeria	6.29	19.07	0.28	
23	Namibia	10.87	40.23	0.81	●	87	Thailand	6.21	18.71	0.27	
24	Portugal (2014)	10.64	39.16	0.81		88	Honduras	6.17	18.54	0.25	
25	Israel (2014)	10.42	38.14	0.80		88	New Zealand (2014)	6.17	18.54	0.25	○
26	Egypt	10.10	36.68	0.77	●	90	Korea, Rep. (2014)	6.06	18.02	0.25	○
26	Greece (2014)	10.10	36.68	0.77		91	Bulgaria	5.43	15.13	0.23	○
26	Yemen	10.10	36.68	0.77	●	91	Oman	5.43	15.13	0.23	
29	Azerbaijan	10.00	36.21	0.75	●	93	Belarus	5.26	14.33	0.22	○
29	Tunisia	10.00	36.21	0.75	●	94	Canada (2014)	5.26	14.33	0.21	○
31	Cyprus	10.00	36.21	0.74		95	Nepal	5.24	14.21	0.20	
31	El Salvador	10.00	36.21	0.74	●	96	Finland (2014)	5.10	13.59	0.19	○
33	Austria (2014)	9.90	35.76	0.71		96	Zambia	5.10	13.59	0.19	
33	Ghana	9.90	35.76	0.71	●	98	Niger	5.03	13.23	0.18	
33	Luxembourg (2014)	9.90	35.76	0.71		99	Kenya	4.98	13.00	0.17	
36	Germany (2014)	9.80	35.31	0.70		100	Serbia	4.78	12.12	0.16	○
37	Paraguay	9.62	34.44	0.69	●	101	Moldova, Rep.	4.67	11.61	0.15	○
38	Ecuador	9.62	34.44	0.68	●	102	China	4.63	11.41	0.14	○
38	Indonesia	9.62	34.44	0.68	●	103	Iran, Islamic Rep.	4.57	11.12	0.14	
40	Algeria	9.43	33.60	0.67	●	104	Bosnia and Herzegovina	4.42	10.46	0.12	○
41	Lebanon	9.35	33.19	0.66		104	Mongolia	4.42	10.46	0.12	
42	Japan (2014)	9.26	32.79	0.65		106	Côte d'Ivoire	4.29	9.85	0.10	
43	Turkey (2014)	9.09	32.01	0.64		106	Estonia (2014)	4.29	9.85	0.10	○
44	Netherlands (2014)	9.01	31.64	0.64	○	108	Tanzania, United Rep.	4.27	9.76	0.09	
45	Brazil	8.85	30.90	0.62		109	Kazakhstan	4.18	9.35	0.08	○
45	Croatia	8.85	30.90	0.62		110	South Africa	4.17	9.27	0.08	○
47	Mexico (2014)	8.62	29.84	0.61		111	Kyrgyzstan	4.02	8.57	0.07	
48	France (2014)	8.47	29.17	0.59		112	Benin	3.92	8.14	0.06	
48	Jordan	8.47	29.17	0.59		113	Bahrain	3.68	7.01	0.05	○
50	Pakistan	8.40	28.84	0.58	●	114	Russian Federation	3.02	3.98	0.04	○
51	Lithuania	8.33	28.52	0.57		115	Ukraine	2.97	3.73	0.03	○
51	Norway (2014)	8.33	28.52	0.57		116	Togo	2.55	1.81	0.03	○
53	Argentina	8.26	28.20	0.56		117	Ethiopia	2.34	0.82	0.02	○
54	Guatemala	8.06	27.27	0.54		118	Mozambique	2.28	0.57	0.01	○
54	Hungary (2014)	8.06	27.27	0.54		119	Iceland (2014)	2.16	0.00	0.00	○
56	Slovakia (2014)	7.87	26.39	0.53		n/a	Bhutan	n/a	n/a	n/a	
57	Poland (2014)	7.81	26.11	0.52		n/a	Burkina Faso	n/a	n/a	n/a	
57	Romania	7.81	26.11	0.52		n/a	Burundi	n/a	n/a	n/a	
59	Latvia	7.69	25.55	0.50		n/a	Guinea	n/a	n/a	n/a	
59	Slovenia (2014)	7.69	25.55	0.50		n/a	Madagascar	n/a	n/a	n/a	
61	Sweden (2014)	7.63	25.28	0.49	○	n/a	Malawi	n/a	n/a	n/a	
62	Chile (2014)	7.58	25.02	0.48		n/a	Mali	n/a	n/a	n/a	
63	India	7.52	24.75	0.47		n/a	Rwanda	n/a	n/a	n/a	
64	Cameroon	7.41	24.24	0.47	●	n/a	Uganda	n/a	n/a	n/a	

SOURCE: International Energy Agency (IEA) *World Energy Balances on-line data service, 2015 edition*

NOTE: ● indicates a strength; ○ a weakness

3.3.2 Environmental performance

Environmental Performance Index | 2015

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland	90.68	90.68	1.00	●	65	Kyrgyzstan	73.13	73.13	0.48	
2	Iceland	90.51	90.51	0.99	●	66	Tajikistan	73.05	73.05	0.48	
3	Sweden	90.43	90.43	0.98	●	67	Peru	72.95	72.95	0.47	
4	Denmark	89.21	89.21	0.98	●	68	Jordan	72.24	72.24	0.46	
5	Slovenia	88.98	88.98	0.97	●	69	Bolivia, Plurinational St.	71.09	71.09	0.45	
6	Spain	88.91	88.91	0.96	●	70	Mauritius	70.85	70.85	0.44	
7	Portugal	88.63	88.63	0.95	●	71	Namibia	70.84	70.84	0.44	
8	Estonia	88.59	88.59	0.94	●	72	Botswana	70.72	70.72	0.43	
9	Malta	88.48	88.48	0.94		73	Korea, Rep.	70.61	70.61	0.42	
10	France	88.20	88.20	0.93	●	74	South Africa	70.52	70.52	0.41	
11	New Zealand	88.00	88.00	0.92		75	Paraguay	70.36	70.36	0.40	
12	United Kingdom	87.38	87.38	0.91		76	Algeria	70.28	70.28	0.40	
13	Australia	87.22	87.22	0.90		77	Bahrain	70.07	70.07	0.39	
14	Singapore	87.04	87.04	0.90		78	Qatar	69.94	69.94	0.38	
15	Croatia	86.98	86.98	0.89	●	79	Guatemala	69.64	69.64	0.36	
16	Switzerland	86.93	86.93	0.88		79	Honduras	69.64	69.64	0.36	
17	Norway	86.90	86.90	0.87		81	Thailand	69.54	69.54	0.35	
18	Austria	86.64	86.64	0.86		82	United Arab Emirates	69.35	69.35	0.35	
19	Ireland	86.60	86.60	0.85		83	Lebanon	69.14	69.14	0.34	
20	Luxembourg	86.58	86.58	0.85		84	Saudi Arabia	68.63	68.63	0.33	
21	Greece	85.81	85.81	0.84	●	85	El Salvador	68.07	68.07	0.32	
22	Latvia	85.71	85.71	0.83		86	Turkey	67.68	67.68	0.31	
23	Lithuania	85.49	85.49	0.82		87	Ecuador	66.58	66.58	0.31	
24	Slovakia	85.42	85.42	0.81	●	88	Egypt	66.45	66.45	0.30	
25	Canada	85.06	85.06	0.81		89	Iran, Islamic Rep.	66.32	66.32	0.29	
26	United States of America	84.72	84.72	0.80		90	Indonesia	65.85	65.85	0.28	
27	Czech Republic	84.67	84.67	0.79		91	Sri Lanka	65.55	65.55	0.27	
28	Hungary	84.60	84.60	0.78		92	China	65.10	65.10	0.27	
29	Italy	84.48	84.48	0.77		93	Bhutan	64.99	64.99	0.26	
30	Germany	84.26	84.26	0.77		94	Georgia	64.96	64.96	0.25	
31	Azerbaijan	83.78	83.78	0.76	●	95	Kuwait	64.41	64.41	0.24	
32	Russian Federation	83.52	83.52	0.75		96	Mongolia	64.39	64.39	0.23	
33	Bulgaria	83.40	83.40	0.74		97	Nicaragua	64.19	64.19	0.23	
34	Romania	83.24	83.24	0.73		98	Senegal	63.73	63.73	0.22	
35	Belarus	82.30	82.30	0.73		99	Bosnia and Herzegovina	63.28	63.28	0.21	
36	Netherlands	82.03	82.03	0.72		100	Kenya	62.49	62.49	0.20	
37	Armenia	81.60	81.60	0.71		101	Oman	60.13	60.13	0.19	
38	Poland	81.26	81.26	0.70		102	Côte d'Ivoire	59.89	59.89	0.19	
39	Japan	80.59	80.59	0.69		103	Ghana	58.89	58.89	0.18	
40	Cyprus	80.24	80.24	0.69		104	Viet Nam	58.50	58.50	0.17	
41	Belgium	80.15	80.15	0.68		105	Tanzania, United Rep.	58.34	58.34	0.16	
42	Costa Rica	80.03	80.03	0.67		106	Nigeria	58.27	58.27	0.15	
43	Argentina	79.84	79.84	0.66		107	Uganda	57.56	57.56	0.15	
44	Ukraine	79.69	79.69	0.65		108	Cameroon	57.13	57.13	0.14	
45	Brazil	78.90	78.90	0.65		109	Guinea	55.40	55.40	0.13	
46	Montenegro	78.89	78.89	0.64		110	India	53.58	53.58	0.12	○
47	Serbia	78.67	78.67	0.63		111	Pakistan	51.42	51.42	0.11	
48	Israel	78.14	78.14	0.62		112	Cambodia	51.24	51.24	0.10	
49	TFYR of Macedonia	78.02	78.02	0.61		113	Rwanda	50.34	50.34	0.10	
50	Panama	78.00	78.00	0.60		114	Nepal	50.21	50.21	0.09	
51	Chile	77.67	77.67	0.60		115	Malawi	49.69	49.69	0.08	
52	Tunisia	77.28	77.28	0.59		116	Togo	46.10	46.10	0.07	
53	Jamaica	77.02	77.02	0.58		117	Ethiopia	45.83	45.83	0.06	
54	Moldova, Rep.	76.69	76.69	0.57		118	Burkina Faso	43.71	43.71	0.06	○
55	Venezuela, Bolivarian Rep.	76.23	76.23	0.56		119	Benin	43.66	43.66	0.05	
56	Colombia	75.93	75.93	0.56		120	Burundi	43.37	43.37	0.04	
57	Dominican Republic	75.32	75.32	0.55		121	Mozambique	41.82	41.82	0.03	○
58	Albania	74.38	74.38	0.54		122	Bangladesh	41.77	41.77	0.02	○
59	Malaysia	74.23	74.23	0.53		123	Mali	41.48	41.48	0.02	○
60	Morocco	74.18	74.18	0.52		124	Niger	37.48	37.48	0.01	○
61	Uruguay	73.98	73.98	0.52		125	Madagascar	37.10	37.10	0.00	○
62	Philippines	73.70	73.70	0.51		n/a	Hong Kong (China)	n/a	n/a	n/a	
63	Mexico	73.59	73.59	0.50		n/a	Yemen (China)	n/a	n/a	n/a	
64	Kazakhstan	73.29	73.29	0.49		n/a	Zambia	n/a	n/a	n/a	

SOURCE: Yale University and Columbia University *Environmental Performance Index 2016*

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) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Bulgaria	13.64	100.00	0.98	●	65	Honduras	0.89	6.47	0.49	
1	Czech Republic	18.46	100.00	0.98	●	66	India	0.87	6.31	0.48	
1	Romania	23.62	100.00	0.98	●	67	Egypt	0.86	6.26	0.48	
4	Estonia	13.38	98.06	0.98	●	68	Bhutan	0.85	6.18	0.47	
5	Italy	12.73	93.30	0.97	●	69	Mauritius	0.85	6.16	0.46	
6	Slovakia	11.79	86.42	0.96	●	70	Sri Lanka	0.81	5.84	0.45	
7	Croatia	10.72	78.56	0.95	●	71	Bolivia, Plurinational St.	0.74	5.36	0.44	
8	Serbia	9.40	68.90	0.94	●	72	Jordan	0.73	5.25	0.44	
9	Hungary	9.03	66.16	0.94	●	73	Qatar	0.70	5.05	0.43	
10	Sweden	8.86	64.90	0.93		74	Mexico	0.68	4.89	0.42	
11	Lithuania	8.84	64.82	0.92	●	75	Philippines	0.64	4.65	0.41	
12	Spain	8.82	64.65	0.91	●	76	Indonesia	0.62	4.50	0.40	
13	Latvia	6.91	50.60	0.90	●	77	Namibia	0.60	4.30	0.40	
14	Slovenia	6.90	50.58	0.90		78	Iran, Islamic Rep.	0.56	4.06	0.39	
15	Finland	6.82	49.97	0.89		79	Uganda	0.52	3.74	0.38	
16	China	6.51	47.69	0.88		80	Morocco	0.51	3.69	0.37	
17	United Kingdom	6.49	47.57	0.87		81	Ukraine	0.51	3.68	0.37	
18	Switzerland	6.24	45.68	0.87		82	Jamaica	0.50	3.58	0.36	
19	Colombia	5.37	39.36	0.86	●	83	Oman	0.46	3.30	0.35	
20	Australia	5.18	37.93	0.85		84	Lebanon	0.39	2.81	0.34	
21	Japan	4.98	36.48	0.84		85	Zambia	0.39	2.80	0.33	
22	TFYR of Macedonia	4.94	36.18	0.83	●	86	Senegal	0.38	2.72	0.33	
23	Portugal	4.70	34.37	0.83		87	Azerbaijan	0.38	2.71	0.32	
24	Bosnia and Herzegovina	3.92	28.67	0.82	●	88	United States of America	0.38	2.71	0.31	○
25	Denmark	3.57	26.12	0.81		89	Kazakhstan	0.36	2.60	0.30	
26	Norway	3.55	25.96	0.80		90	Pakistan	0.36	2.53	0.29	
27	Singapore	3.40	24.89	0.79		91	Russian Federation	0.35	2.52	0.29	
28	France	3.21	23.45	0.79		92	Mozambique	0.35	2.51	0.28	
29	Greece	3.19	23.30	0.78		93	Kenya	0.34	2.41	0.27	
30	Thailand	3.07	22.47	0.77		94	El Salvador	0.31	2.22	0.26	
31	Israel	3.00	21.96	0.76		95	Botswana	0.28	1.97	0.25	
32	Iceland	3.00	21.93	0.75		96	Panama	0.27	1.94	0.25	
33	Netherlands	2.98	21.80	0.75		97	Nicaragua	0.27	1.91	0.24	
34	Malaysia	2.97	21.71	0.74		98	Kuwait	0.26	1.85	0.23	
35	Austria	2.95	21.60	0.73		99	Côte d'Ivoire	0.25	1.77	0.22	
36	Korea, Rep.	2.83	20.66	0.72		100	Cameroon	0.24	1.66	0.21	
37	Ireland	2.82	20.60	0.71		101	Dominican Republic	0.23	1.62	0.21	
38	Montenegro	2.76	20.16	0.71		102	Nepal	0.22	1.57	0.20	
39	Belgium	2.52	18.39	0.70		103	Mongolia	0.20	1.40	0.19	
40	Chile	2.35	17.20	0.69		104	Guinea	0.20	1.38	0.18	
41	Poland	2.31	16.84	0.68		105	Togo	0.20	1.37	0.17	
42	United Arab Emirates	2.27	16.55	0.67		106	Algeria	0.19	1.32	0.17	
43	Malta	2.12	15.51	0.67		107	Paraguay	0.19	1.31	0.16	
44	Belarus	2.06	15.05	0.66		108	Ghana	0.18	1.28	0.15	
45	Germany	2.06	15.02	0.65		109	Guatemala	0.18	1.28	0.14	
46	Uruguay	2.05	14.98	0.64		110	Tanzania, United Rep.	0.18	1.25	0.13	
47	Cyprus	2.00	14.59	0.63		111	Saudi Arabia	0.17	1.20	0.13	○
48	New Zealand	1.83	13.34	0.63		112	Cambodia	0.16	1.10	0.12	
49	Georgia	1.66	12.10	0.62		113	Venezuela, Bolivarian Rep.	0.14	0.96	0.11	
50	Viet Nam	1.62	11.81	0.61		114	Armenia	0.12	0.83	0.10	○
51	Hong Kong (China)	1.57	11.47	0.60		115	Madagascar	0.12	0.79	0.10	
52	Turkey	1.52	11.07	0.60		116	Bangladesh	0.11	0.75	0.09	
53	Argentina	1.41	10.27	0.59		117	Niger	0.11	0.74	0.08	
54	Canada	1.32	9.59	0.58	○	118	Mali	0.11	0.73	0.07	
55	South Africa	1.31	9.57	0.57		119	Burkina Faso	0.07	0.43	0.06	
56	Luxembourg	1.30	9.50	0.56		120	Nigeria	0.06	0.35	0.06	
57	Costa Rica	1.28	9.30	0.56		121	Rwanda	0.05	0.32	0.05	○
58	Bahrain	1.24	9.02	0.55		122	Kyrgyzstan	0.05	0.31	0.04	○
59	Albania	1.17	8.52	0.54		123	Malawi	0.05	0.30	0.03	○
60	Tunisia	1.15	8.34	0.53		124	Benin	0.05	0.30	0.02	○
61	Moldova, Rep.	1.07	7.77	0.52		125	Tajikistan	0.04	0.26	0.02	○
62	Ecuador	1.04	7.58	0.52		126	Ethiopia	0.03	0.13	0.01	○
63	Brazil	0.98	7.14	0.51		127	Yemen (2013)	0.01	0.00	0.00	○
64	Peru	0.95	6.88	0.50		n/a	Burundi	n/a	n/a	n/a	

SOURCE: International Organization for Standardization, *The ISO Survey of Management System Standard Certifications, 2014*; International Monetary Fund, *World Economic Outlook 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	New Zealand	100.00	100.00	1.00	●	63	Indonesia	55.00	55.00	0.47	
2	Colombia	95.00	95.00	0.98	●	63	Kazakhstan	55.00	55.00	0.47	
2	Rwanda	95.00	95.00	0.98	●	63	Norway	55.00	55.00	0.47	○
2	United States of America	95.00	95.00	0.98	●	63	Sweden	55.00	55.00	0.47	○
5	Australia	90.00	90.00	0.96	●	69	Argentina	50.00	50.00	0.38	
5	Mexico	90.00	90.00	0.96	●	69	Bhutan	50.00	50.00	0.38	
7	Canada	85.00	85.00	0.91		69	Chile	50.00	50.00	0.38	
7	Costa Rica	85.00	85.00	0.91	●	69	China	50.00	50.00	0.38	
7	Georgia	85.00	85.00	0.91	●	69	Egypt	50.00	50.00	0.38	
7	Honduras	85.00	85.00	0.91	●	69	France	50.00	50.00	0.38	○
7	Jamaica	85.00	85.00	0.91	●	69	Greece	50.00	50.00	0.38	
7	Montenegro	85.00	85.00	0.91	●	69	Japan	50.00	50.00	0.38	○
7	Romania	85.00	85.00	0.91	●	69	Netherlands	50.00	50.00	0.38	○
14	Cambodia	80.00	80.00	0.87	●	69	Paraguay	50.00	50.00	0.38	
14	El Salvador	80.00	80.00	0.87	●	69	Saudi Arabia	50.00	50.00	0.38	
14	Guatemala	80.00	80.00	0.87	●	69	Turkey	50.00	50.00	0.38	
14	Peru	80.00	80.00	0.87	●	81	Belgium	45.00	45.00	0.29	○
18	Hong Kong (China)	75.00	75.00	0.80		81	Brazil	45.00	45.00	0.29	
18	Hungary	75.00	75.00	0.80		81	Dominican Republic	45.00	45.00	0.29	
18	Latvia	75.00	75.00	0.80		81	Ecuador	45.00	45.00	0.29	
18	Panama	75.00	75.00	0.80	●	81	Iran, Islamic Rep.	45.00	45.00	0.29	
18	Poland	75.00	75.00	0.80	●	81	Italy	45.00	45.00	0.29	○
18	Singapore	75.00	75.00	0.80		81	Nicaragua	45.00	45.00	0.29	
18	Ukraine	75.00	75.00	0.80	●	81	Portugal	45.00	45.00	0.29	○
18	United Kingdom	75.00	75.00	0.80		81	Sri Lanka	45.00	45.00	0.29	
18	Zambia	75.00	75.00	0.80	●	81	Thailand	45.00	45.00	0.29	
27	Bulgaria	70.00	70.00	0.71		81	United Arab Emirates	45.00	45.00	0.29	○
27	Czech Republic	70.00	70.00	0.71		92	Azerbaijan	40.00	40.00	0.22	
27	Denmark	70.00	70.00	0.71		92	Bahrain	40.00	40.00	0.22	
27	Estonia	70.00	70.00	0.71		92	Belarus	40.00	40.00	0.22	○
27	Germany	70.00	70.00	0.71		92	Kuwait	40.00	40.00	0.22	
27	Ireland	70.00	70.00	0.71		92	Lebanon	40.00	40.00	0.22	
27	Kenya	70.00	70.00	0.71		92	Morocco	40.00	40.00	0.22	
27	Kyrgyzstan	70.00	70.00	0.71	●	92	Philippines	40.00	40.00	0.22	
27	Lithuania	70.00	70.00	0.71		92	Tajikistan	40.00	40.00	0.22	
27	Malaysia	70.00	70.00	0.71		92	Venezuela, Bolivarian Rep.	40.00	40.00	0.22	
27	Moldova, Rep.	70.00	70.00	0.71		101	Bolivia, Plurinational St.	35.00	35.00	0.18	
27	Viet Nam	70.00	70.00	0.71	●	101	Cameroon	35.00	35.00	0.18	
39	Albania	65.00	65.00	0.60		101	Oman	35.00	35.00	0.18	
39	Armenia	65.00	65.00	0.60		101	Slovenia	35.00	35.00	0.18	○
39	Bosnia and Herzegovina	65.00	65.00	0.60		101	Tunisia	35.00	35.00	0.18	
39	Cyprus	65.00	65.00	0.60		106	Bangladesh	30.00	30.00	0.09	
39	Finland	65.00	65.00	0.60	○	106	Benin	30.00	30.00	0.09	
39	Ghana	65.00	65.00	0.60	●	106	Burkina Faso	30.00	30.00	0.09	
39	India	65.00	65.00	0.60		106	Côte d'Ivoire	30.00	30.00	0.09	○
39	Israel	65.00	65.00	0.60		106	Guinea	30.00	30.00	0.09	
39	Korea, Rep.	65.00	65.00	0.60		106	Mali	30.00	30.00	0.09	
39	Mauritius	65.00	65.00	0.60		106	Nepal	30.00	30.00	0.09	
39	Russian Federation	65.00	65.00	0.60		106	Niger	30.00	30.00	0.09	
39	Slovakia	65.00	65.00	0.60		106	Pakistan	30.00	30.00	0.09	
39	TFYR of Macedonia	65.00	65.00	0.60		106	Qatar	30.00	30.00	0.09	○
39	Uganda	65.00	65.00	0.60	●	106	Senegal	30.00	30.00	0.09	
53	Austria	60.00	60.00	0.52	○	106	Togo	30.00	30.00	0.09	
53	Iceland	60.00	60.00	0.52		118	Malawi	25.00	25.00	0.06	
53	Mongolia	60.00	60.00	0.52		118	Mozambique	25.00	25.00	0.06	
53	Namibia	60.00	60.00	0.52		118	Tanzania, United Rep.	25.00	25.00	0.06	
53	Nigeria	60.00	60.00	0.52	●	121	Ethiopia	15.00	15.00	0.04	
53	Serbia	60.00	60.00	0.52		121	Luxembourg	15.00	15.00	0.04	○
53	South Africa	60.00	60.00	0.52		121	Madagascar	15.00	15.00	0.04	
53	Spain	60.00	60.00	0.52		124	Algeria	10.00	10.00	0.02	○
53	Switzerland	60.00	60.00	0.52	○	124	Burundi	10.00	10.00	0.02	
53	Uruguay	60.00	60.00	0.52		124	Malta	10.00	10.00	0.02	○
63	Botswana	55.00	55.00	0.47		127	Jordan	0.00	0.00	0.00	○
63	Croatia	55.00	55.00	0.47		127	Yemen	0.00	0.00	0.00	○

SOURCE: World Bank, *Doing Business 2016: Measuring Regulatory Quality and Efficiency*

NOTE: ● indicates a strength; ○ a weakness

4.1.2 Domestic credit to private sector

Domestic credit to private sector (% of GDP) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Cyprus	251.49	100.00	1.00	●	65	Slovakia	50.16	18.55	0.49	
2	Hong Kong (China)	233.66	92.79	0.99	●	66	Paraguay	49.87	18.43	0.48	
3	United States of America	197.12	78.00	0.98	●	67	TFYR of Macedonia	49.58	18.31	0.47	
4	Japan	187.57	74.14	0.98	●	68	Namibia	49.12	18.13	0.46	
5	Denmark	178.71	70.55	0.97	●	69	Armenia	48.86	18.02	0.46	
6	Switzerland	171.13	67.49	0.96		70	Oman	46.46	17.05	0.45	
7	South Africa	151.48	59.54	0.95	●	71	Qatar	45.24	16.56	0.44	
8	Thailand	146.82	57.65	0.94	●	72	Georgia	45.19	16.53	0.43	
9	New Zealand (2010)	143.60	56.35	0.94		73	Saudi Arabia	44.44	16.23	0.42	
10	China	141.87	55.65	0.93		74	El Salvador	43.90	16.01	0.42	
11	United Kingdom	138.95	54.47	0.92		75	Bhutan	43.82	15.98	0.41	
12	Korea, Rep.	138.45	54.27	0.91		76	Serbia	43.77	15.96	0.40	
13	Sweden	131.84	51.59	0.90		77	Hungary	43.47	15.84	0.39	○
14	Singapore	131.45	51.44	0.90		78	Bangladesh	42.35	15.39	0.38	
15	Australia	129.64	50.70	0.89		79	Philippines	39.15	14.09	0.38	
16	Portugal	129.51	50.65	0.88	●	80	Albania	37.58	13.46	0.37	
17	Spain	129.08	50.48	0.87		81	Moldova, Rep.	37.08	13.26	0.36	
18	Canada (2008)	124.93	48.80	0.86		82	Indonesia	36.52	13.03	0.35	
19	Malaysia	120.56	47.03	0.86		83	Kenya	34.42	12.18	0.34	
20	Greece	116.91	45.55	0.85	●	84	Togo	34.14	12.06	0.34	
21	Netherlands	116.53	45.40	0.84		85	Nicaragua	34.08	12.04	0.33	
22	Malta (2013)	111.80	43.48	0.83		86	Kazakhstan	34.07	12.04	0.32	
23	Chile	109.45	42.53	0.82		87	Peru	34.03	12.02	0.31	
24	Lebanon	103.30	40.05	0.82	●	88	Senegal	33.17	11.67	0.30	
25	Viet Nam	100.30	38.83	0.81	●	89	Guatemala	32.94	11.58	0.30	
26	Mauritius	100.12	38.76	0.80	●	90	Botswana	31.88	11.15	0.29	
27	Iceland	98.83	38.24	0.79		91	Mozambique	31.77	11.11	0.28	
28	France	94.85	36.63	0.78		92	Romania	31.19	10.87	0.27	
29	Finland	93.68	36.15	0.78		93	Mexico	30.99	10.79	0.26	
30	Luxembourg	91.62	35.32	0.77		94	Azerbaijan	30.72	10.68	0.26	
31	Italy	89.39	34.42	0.76		95	Venezuela, Bolivarian Rep. (2013)	29.90	10.35	0.25	
32	Austria	88.58	34.09	0.75		96	Jamaica	29.26	10.09	0.24	
33	Panama	88.34	33.99	0.74	●	97	Burkina Faso	28.04	9.60	0.23	
34	Norway (2006)	84.85	32.58	0.74		98	Ecuador	27.38	9.33	0.22	
35	Ireland	83.24	31.93	0.73		99	Uruguay	26.93	9.15	0.22	
36	Germany	79.63	30.47	0.72		100	Sri Lanka	26.79	9.09	0.21	
37	Tunisia	76.47	29.19	0.71	●	101	Dominican Republic	26.47	8.96	0.20	
38	Ukraine	76.20	29.08	0.70		102	Egypt	25.95	8.75	0.19	
39	Turkey	74.64	28.45	0.70		103	Mali	24.50	8.17	0.18	
40	Latvia	73.19	27.86	0.69		104	Belarus	24.46	8.15	0.18	○
41	Jordan	70.22	26.66	0.68	●	105	Benin	22.90	7.52	0.17	
42	Croatia	69.47	26.36	0.67		106	Tajikistan	21.48	6.94	0.16	
43	Morocco	68.65	26.03	0.66		107	Kyrgyzstan	21.16	6.81	0.15	
44	Kuwait	67.24	25.45	0.66		108	Côte d'Ivoire	20.33	6.48	0.14	
45	Brazil	67.09	25.40	0.65		109	Ghana	19.91	6.31	0.14	
46	Israel	66.93	25.33	0.64		110	Algeria	18.38	5.69	0.13	
47	United Arab Emirates	65.44	24.73	0.63		111	Ethiopia (2008)	17.71	5.42	0.12	
48	Bahrain	63.00	23.74	0.62		112	Zambia	17.14	5.19	0.11	
49	Nepal	62.63	23.59	0.62	●	113	Malawi	16.20	4.81	0.10	
50	Mongolia	60.72	22.82	0.61		114	Pakistan	15.64	4.58	0.10	
51	Bulgaria	59.61	22.37	0.60		115	Cameroon	15.56	4.55	0.09	
52	Russian Federation	59.31	22.25	0.59		116	Burundi	15.36	4.47	0.08	
53	Belgium	58.23	21.81	0.58		117	Nigeria	14.54	4.14	0.07	
54	Honduras	55.26	20.61	0.58		118	Uganda	14.37	4.06	0.06	
55	Costa Rica	55.11	20.55	0.57		119	Argentina	14.30	4.04	0.06	○
56	Slovenia	55.00	20.50	0.56		120	Niger	14.20	4.00	0.05	
57	Bosnia and Herzegovina	54.77	20.41	0.55		121	Tanzania, United Rep.	13.83	3.85	0.04	
58	Iran, Islamic Rep.	54.41	20.26	0.54		122	Madagascar	12.97	3.50	0.03	○
59	Cambodia	54.09	20.14	0.54	●	123	Lithuania	11.87	3.05	0.02	○
60	Colombia	52.73	19.59	0.53		124	Guinea (2011)	9.13	1.95	0.02	
61	Poland	52.20	19.37	0.52		125	Yemen (2013)	6.34	0.82	0.01	○
62	India	51.58	19.12	0.51		126	Estonia	4.32	0.00	0.00	○
63	Czech Republic	50.44	18.66	0.50		n/a	Montenegro	n/a	n/a	n/a	
64	Bolivia, Plurinational St.	50.32	18.61	0.50		n/a	Rwanda	n/a	n/a	n/a	

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) | 2014

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Bhutan	8.15	100.00	0.96	●	65	Romania	0.05	0.64	0.22	○
1	Bolivia, Plurinational St	16.39	100.00	0.96	●	66	Zambia	0.04	0.45	0.21	
1	Cambodia	23.74	100.00	0.96	●	67	Sri Lanka	0.03	0.39	0.20	
1	Mongolia	19.68	100.00	0.96	●	68	Namibia (2012)	0.03	0.36	0.18	
5	Tajikistan	6.12	75.07	0.95	●	69	Yemen	0.03	0.33	0.17	
6	Rwanda	5.84	71.56	0.94	●	70	Ethiopia	0.02	0.27	0.16	
7	Kyrgyzstan	5.42	66.48	0.93	●	71	Uruguay	0.02	0.21	0.15	○
8	Paraguay	5.27	64.67	0.91	●	72	Russian Federation	0.01	0.17	0.13	○
9	Peru	4.96	60.84	0.90	●	73	Croatia (2007)	0.01	0.14	0.12	○
10	Ecuador	4.68	57.44	0.89	●	74	Bulgaria	0.01	0.12	0.11	○
11	Azerbaijan	4.53	55.56	0.88	●	75	China	0.01	0.12	0.10	○
12	Armenia	3.37	41.30	0.87	●	76	Indonesia	0.01	0.11	0.09	
13	Togo	3.22	39.47	0.85	●	77	South Africa (2013)	0.01	0.09	0.07	○
14	Nicaragua	3.13	38.44	0.84	●	78	Argentina	0.01	0.07	0.06	○
15	Burundi	2.92	35.75	0.83	●	79	Turkey (2013)	0.00	0.03	0.05	○
16	Tanzania, United Rep.	2.74	33.61	0.82	●	80	Hungary (2007)	0.00	0.01	0.04	○
17	Georgia	1.88	23.09	0.80		81	Ukraine	0.00	0.01	0.02	○
18	Senegal	1.86	22.79	0.79	●	82	Thailand (2011)	0.00	0.00	0.01	○
19	Bangladesh	1.83	22.49	0.78	●	83	Belarus	0.00	0.00	0.00	○
20	Honduras	1.75	21.50	0.77	●	n/a	Algeria	n/a	n/a	n/a	
21	Colombia	1.72	21.09	0.76		n/a	Australia	n/a	n/a	n/a	
22	Malawi	1.71	21.00	0.74	●	n/a	Austria	n/a	n/a	n/a	
23	Uganda	1.62	19.81	0.73	●	n/a	Bahrain	n/a	n/a	n/a	
24	El Salvador	1.61	19.69	0.72	●	n/a	Belgium	n/a	n/a	n/a	
25	Ghana	1.54	18.91	0.71	●	n/a	Botswana	n/a	n/a	n/a	
26	Kenya	1.50	18.42	0.70		n/a	Canada	n/a	n/a	n/a	
27	Bosnia and Herzegovina	1.43	17.55	0.68	●	n/a	Cyprus	n/a	n/a	n/a	
28	Burkina Faso	1.40	17.14	0.67	●	n/a	Czech Republic	n/a	n/a	n/a	
29	Dominican Republic	1.25	15.37	0.66	●	n/a	Denmark	n/a	n/a	n/a	
30	Nepal	1.24	15.25	0.65	●	n/a	Estonia	n/a	n/a	n/a	
31	Madagascar	1.21	14.88	0.63	●	n/a	Finland	n/a	n/a	n/a	
32	Cameroon	1.03	12.64	0.62	●	n/a	France	n/a	n/a	n/a	
33	Benin	0.76	9.36	0.61	●	n/a	Germany	n/a	n/a	n/a	
34	Chile	0.74	9.02	0.60		n/a	Greece	n/a	n/a	n/a	
35	Montenegro	0.70	8.64	0.59		n/a	Hong Kong (China)	8.64	n/a	n/a	
36	Morocco	0.52	6.37	0.57		n/a	Iceland	n/a	n/a	n/a	
37	Viet Nam	0.45	5.51	0.56		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
38	Panama	0.42	5.10	0.55		n/a	Ireland	n/a	n/a	n/a	
39	Niger	0.41	5.01	0.54		n/a	Israel	n/a	n/a	n/a	
40	Albania	0.40	4.94	0.52		n/a	Italy	n/a	n/a	n/a	
41	Jordan	0.38	4.69	0.51		n/a	Japan	n/a	n/a	n/a	
42	Moldova, Rep.	0.35	4.30	0.50		n/a	Korea, Rep.	n/a	n/a	n/a	
43	India	0.34	4.19	0.49		n/a	Kuwait	n/a	n/a	n/a	
44	Guatemala	0.34	4.16	0.48		n/a	Latvia	n/a	n/a	n/a	
45	Mexico	0.34	4.12	0.46		n/a	Lithuania	n/a	n/a	n/a	
46	TFYR of Macedonia	0.31	3.77	0.45		n/a	Luxembourg	n/a	n/a	n/a	
47	Côte d'Ivoire	0.28	3.37	0.44		n/a	Malta	n/a	n/a	n/a	
48	Tunisia	0.25	3.07	0.43		n/a	Mauritius	n/a	n/a	n/a	
49	Guinea (2012)	0.25	3.04	0.41	●	n/a	Netherlands	n/a	n/a	n/a	
50	Philippines	0.25	3.02	0.40		n/a	New Zealand	n/a	n/a	n/a	
51	Mozambique	0.22	2.75	0.39		n/a	Norway	n/a	n/a	n/a	
52	Mali	0.21	2.61	0.38		n/a	Oman	n/a	n/a	n/a	
53	Serbia	0.21	2.59	0.37		n/a	Portugal	n/a	n/a	n/a	
54	Pakistan	0.19	2.30	0.35		n/a	Qatar	n/a	n/a	n/a	
55	Venezuela, Bolivarian Rep.	0.17	2.14	0.34		n/a	Saudi Arabia	n/a	n/a	n/a	
56	Costa Rica	0.15	1.83	0.33		n/a	Singapore	n/a	n/a	n/a	
57	Malaysia (2011)	0.13	1.58	0.32	○	n/a	Slovakia	n/a	n/a	n/a	
58	Poland	0.12	1.53	0.30	○	n/a	Slovenia	n/a	n/a	n/a	
59	Brazil	0.12	1.47	0.29		n/a	Spain	n/a	n/a	n/a	
60	Kazakhstan	0.11	1.34	0.28		n/a	Sweden	n/a	n/a	n/a	
61	Lebanon	0.10	1.17	0.27		n/a	Switzerland	n/a	n/a	n/a	
62	Jamaica	0.08	1.01	0.26		n/a	United Arab Emirates	n/a	n/a	n/a	
63	Nigeria	0.08	0.96	0.24		n/a	United Kingdom	n/a	n/a	n/a	
64	Egypt	0.05	0.64	0.23		n/a	United States of America	n/a	n/a	n/a	

SOURCE: Microfinance Information Exchange, *Mix Market database*; International Monetary Fund, *World Economic Outlook Database*, 2015

NOTE: ● indicates a strength; ○ a weakness

4.2.1 Ease of protecting minority investors

Ease of protecting minority investors (distance to frontier) | 2015

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	83.33	83.33	0.98	●	62	Ghana	56.67	56.67	0.45	
1	New Zealand	83.33	83.33	0.98	●	62	Kuwait	56.67	56.67	0.45	
1	Singapore	83.33	83.33	0.98	●	62	Namibia	56.67	56.67	0.45	
4	Malaysia	78.33	78.33	0.97	●	62	Netherlands	56.67	56.67	0.45	○
4	United Kingdom	78.33	78.33	0.97		62	Panama	56.67	56.67	0.45	
6	Canada	76.67	76.67	0.96	●	62	Portugal	56.67	56.67	0.45	
7	Slovenia	75.00	75.00	0.95	●	62	Russian Federation	56.67	56.67	0.45	
8	Albania	73.33	73.33	0.91	●	72	Botswana	55.00	55.00	0.41	
8	India	73.33	73.33	0.91	●	72	Dominican Republic	55.00	55.00	0.41	
8	Ireland	73.33	73.33	0.91		72	Estonia	55.00	55.00	0.41	○
8	Israel	73.33	73.33	0.91		72	Hungary	55.00	55.00	0.41	
8	Korea, Rep.	73.33	73.33	0.91		72	Serbia	55.00	55.00	0.41	
8	Mongolia	73.33	73.33	0.91	●	77	Bangladesh	53.33	53.33	0.36	
14	Bulgaria	71.67	71.67	0.86	●	77	Indonesia	53.33	53.33	0.36	
14	Colombia	71.67	71.67	0.86	●	77	Rwanda	53.33	53.33	0.36	
14	Norway	71.67	71.67	0.86		77	Slovakia	53.33	53.33	0.36	
14	South Africa	71.67	71.67	0.86	●	77	Ukraine	53.33	53.33	0.36	
14	Sweden	71.67	71.67	0.86	●	77	Zambia	53.33	53.33	0.36	
14	TFYR of Macedonia	71.67	71.67	0.86	●	83	Mozambique	51.67	51.67	0.34	
20	Denmark	68.33	68.33	0.82		83	Saudi Arabia	51.67	51.67	0.34	
20	Georgia	68.33	68.33	0.82	●	83	Uganda	51.67	51.67	0.34	
20	Iceland	68.33	68.33	0.82		86	Madagascar	50.00	50.00	0.31	
20	Nigeria	68.33	68.33	0.82	●	86	Morocco	50.00	50.00	0.31	
20	Turkey	68.33	68.33	0.82	●	86	Switzerland	50.00	50.00	0.31	○
25	Cyprus	66.67	66.67	0.80		86	Tunisia	50.00	50.00	0.31	
25	Kazakhstan	66.67	66.67	0.80	●	90	Bahrain	48.33	48.33	0.29	
25	Pakistan	66.67	66.67	0.80	●	90	Cambodia	48.33	48.33	0.29	
28	Brazil	65.00	65.00	0.75	●	92	Bhutan	46.67	46.67	0.25	
28	Croatia	65.00	65.00	0.75		92	Burundi	46.67	46.67	0.25	
28	France	65.00	65.00	0.75		92	Ecuador	46.67	46.67	0.25	
28	Mauritius	65.00	65.00	0.75		92	Kenya	46.67	46.67	0.25	
28	Spain	65.00	65.00	0.75		92	Malawi	46.67	46.67	0.25	
28	Tajikistan	65.00	65.00	0.75	●	97	Egypt	45.00	45.00	0.20	
34	United States of America	64.67	64.67	0.74		97	Luxembourg	45.00	45.00	0.20	○
35	Austria	63.33	63.33	0.66		97	Qatar	45.00	45.00	0.20	
35	Azerbaijan	63.33	63.33	0.66	●	97	Tanzania, United Rep.	45.00	45.00	0.20	
35	Chile	63.33	63.33	0.66		97	Uruguay	45.00	45.00	0.20	
35	Italy	63.33	63.33	0.66		97	Viet Nam	45.00	45.00	0.20	
35	Japan	63.33	63.33	0.66		97	Yemen	45.00	45.00	0.20	
35	Kyrgyzstan	63.33	63.33	0.66	●	104	Cameroon	43.33	43.33	0.16	
35	Malta	63.33	63.33	0.66		104	China	43.33	43.33	0.16	○
35	Moldova, Rep.	63.33	63.33	0.66		104	Honduras	43.33	43.33	0.16	
35	Montenegro	63.33	63.33	0.66		104	Lebanon	43.33	43.33	0.16	○
35	Thailand	63.33	63.33	0.66		104	Oman	43.33	43.33	0.16	
45	Greece	61.67	61.67	0.65		109	Bolivia, Plurinational St.	41.67	41.67	0.13	
45	Lithuania	61.67	61.67	0.65		109	Burkina Faso	41.67	41.67	0.13	
47	Argentina	60.00	60.00	0.58		109	Paraguay	41.67	41.67	0.13	
47	Armenia	60.00	60.00	0.58		112	Benin	40.00	40.00	0.11	
47	Germany	60.00	60.00	0.58		112	Iran, Islamic Rep.	40.00	40.00	0.11	
47	Latvia	60.00	60.00	0.58		112	Nicaragua	40.00	40.00	0.11	
47	Peru	60.00	60.00	0.58		115	Côte d'Ivoire	38.33	38.33	0.07	○
47	Poland	60.00	60.00	0.58		115	El Salvador	38.33	38.33	0.07	
47	Sri Lanka	60.00	60.00	0.58		115	Philippines	38.33	38.33	0.07	○
47	United Arab Emirates	60.00	60.00	0.58		115	Senegal	38.33	38.33	0.07	○
55	Belarus	58.33	58.33	0.53		115	Togo	38.33	38.33	0.07	
55	Belgium	58.33	58.33	0.53		120	Jordan	36.67	36.67	0.06	○
55	Czech Republic	58.33	58.33	0.53		121	Costa Rica	35.00	35.00	0.02	○
55	Jamaica	58.33	58.33	0.53		121	Ethiopia	35.00	35.00	0.02	○
55	Mexico	58.33	58.33	0.53		121	Guinea	35.00	35.00	0.02	
55	Nepal	58.33	58.33	0.53	●	121	Mali	35.00	35.00	0.02	○
55	Romania	58.33	58.33	0.53		121	Niger	35.00	35.00	0.02	
62	Australia	56.67	56.67	0.45	○	126	Algeria	33.33	33.33	0.01	○
62	Bosnia and Herzegovina	56.67	56.67	0.45		126	Guatemala	33.33	33.33	0.01	○
62	Finland	56.67	56.67	0.45	○	128	Venezuela, Bolivarian Rep.	31.67	31.67	0.00	○

SOURCE: World Bank, *Doing Business 2016: Measuring Regulatory Quality and Efficiency*

NOTE: ● indicates a strength; ○ a weakness

4.2.2 Market capitalization

Market capitalization of listed companies (% of 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	Hong Kong (China)	1,111.41	100.00	0.97	●	65	Bangladesh	20.13	8.91	0.30	
1	Singapore	244.54	100.00	0.97	●	66	Iceland (2012)	19.90	8.80	0.29	○
1	South Africa	266.77	100.00	0.97	●	67	Tunisia	19.16	8.45	0.28	
1	Switzerland	213.30	100.00	0.97	●	68	Malawi (2012)	17.77	7.79	0.27	
5	United States of America	151.16	70.70	0.96		69	Cyprus	17.36	7.60	0.26	○
6	Malaysia	135.76	63.43	0.95	●	70	Bolivia, Plurinational St. (2012)	16.41	7.15	0.25	
7	Canada	117.27	54.71	0.93		71	Pakistan (2011)	15.24	6.60	0.24	
8	United Kingdom	106.48	49.63	0.92		72	Slovenia	15.19	6.58	0.23	○
9	Thailand	106.32	49.55	0.91	●	73	Namibia	14.81	6.40	0.22	
10	Kuwait (2006)	105.43	49.13	0.90	●	74	Zambia (2011)	13.42	5.74	0.21	
11	Nigeria	99.98	46.56	0.89	●	75	Bosnia and Herzegovina (2011)	12.36	5.24	0.20	
12	Luxembourg	97.37	45.33	0.88		76	Ukraine (2012)	11.78	4.97	0.18	
13	Japan	95.14	44.28	0.87		77	Romania	11.20	4.70	0.17	○
14	Montenegro (2012)	92.65	43.10	0.86	●	78	Argentina	11.19	4.69	0.16	
15	Philippines	91.95	42.77	0.85	●	79	Kazakhstan	10.54	4.39	0.15	
16	Chile	90.38	42.04	0.84	●	80	Mongolia (2012)	10.52	4.37	0.14	
17	Netherlands	89.45	41.60	0.83		81	Hungary	10.49	4.36	0.13	○
18	Australia	88.59	41.19	0.82		82	Ghana (2013)	10.34	4.29	0.12	
19	Qatar	88.46	41.13	0.80		83	Estonia (2012)	10.08	4.17	0.11	○
20	Korea, Rep.	85.99	39.96	0.79		84	Bulgaria	9.68	3.98	0.10	○
21	India	76.07	35.29	0.78		85	Lithuania (2012)	9.25	3.78	0.09	○
22	France	73.73	34.18	0.77		86	Georgia (2012)	5.95	2.22	0.08	○
23	Spain	71.88	33.31	0.76		87	TFYR of Macedonia (2012)	5.74	2.12	0.07	○
24	Jordan	71.33	33.05	0.75	●	88	Slovakia	4.88	1.71	0.05	○
25	Belgium	71.21	32.99	0.74		89	Latvia (2012)	3.98	1.29	0.04	○
26	Mauritius	69.29	32.09	0.73		90	Serbia (2011)	3.86	1.23	0.03	○
27	Bahrain	65.64	30.37	0.72		91	Costa Rica (2011)	3.63	1.13	0.02	○
28	Israel	65.60	30.35	0.71		92	Kyrgyzstan (2012)	2.50	0.59	0.01	○
29	Saudi Arabia	64.74	29.94	0.70		93	Armenia (2012)	1.24	0.00	0.00	○
30	China	57.99	26.76	0.68		n/a	Albania	n/a	n/a	n/a	
31	Ireland	57.20	26.39	0.67		n/a	Algeria	n/a	n/a	n/a	
32	United Arab Emirates	50.47	23.21	0.66		n/a	Azerbaijan	n/a	n/a	n/a	
33	Morocco	47.95	22.02	0.65		n/a	Belarus	n/a	n/a	n/a	
34	Indonesia	47.51	21.82	0.64		n/a	Benin	n/a	n/a	n/a	
35	Oman	46.25	21.22	0.63		n/a	Bhutan	n/a	n/a	n/a	
36	El Salvador (2012)	45.11	20.69	0.62		n/a	Botswana	n/a	n/a	n/a	
37	Germany	44.94	20.61	0.61		n/a	Burkina Faso	n/a	n/a	n/a	
38	Malta (2013)	44.07	20.19	0.60		n/a	Burundi	n/a	n/a	n/a	
39	Norway	43.89	20.11	0.59		n/a	Cambodia	n/a	n/a	n/a	
40	Kenya (2013)	40.52	18.52	0.58		n/a	Cameroon	n/a	n/a	n/a	
41	Peru	38.91	17.76	0.57		n/a	Denmark	n/a	n/a	n/a	
42	Colombia	38.85	17.73	0.55		n/a	Dominican Republic	n/a	n/a	n/a	
43	Croatia (2013)	38.64	17.63	0.54		n/a	Ecuador	n/a	n/a	n/a	
44	Mexico	37.09	16.91	0.53		n/a	Ethiopia	n/a	n/a	n/a	
45	Czech Republic (2007)	36.50	16.62	0.52		n/a	Finland	n/a	n/a	n/a	
46	Brazil	35.97	16.38	0.51		n/a	Guatemala	n/a	n/a	n/a	
47	Côte d'Ivoire	34.11	15.50	0.50	●	n/a	Guinea	n/a	n/a	n/a	
48	Uganda (2012)	31.39	14.22	0.49		n/a	Honduras	n/a	n/a	n/a	
49	Poland	30.99	14.03	0.48		n/a	Madagascar	n/a	n/a	n/a	
50	Sri Lanka	30.02	13.57	0.47		n/a	Mali	n/a	n/a	n/a	
51	Panama	29.77	13.45	0.46		n/a	Moldova, Rep.	n/a	n/a	n/a	
52	New Zealand (2009)	29.47	13.31	0.45	○	n/a	Mozambique	n/a	n/a	n/a	
53	Turkey	27.52	12.39	0.43		n/a	Nicaragua	n/a	n/a	n/a	
54	Iran, Islamic Rep.	27.42	12.35	0.42		n/a	Niger	n/a	n/a	n/a	
55	Portugal	25.11	11.25	0.41	○	n/a	Paraguay	n/a	n/a	n/a	
56	Viet Nam	24.74	11.08	0.40		n/a	Rwanda	n/a	n/a	n/a	
57	Egypt	24.46	10.95	0.39		n/a	Senegal	n/a	n/a	n/a	
58	Lebanon	24.42	10.93	0.38		n/a	Sweden	n/a	n/a	n/a	
59	Greece	23.41	10.45	0.37		n/a	Tajikistan	n/a	n/a	n/a	
60	Austria	22.15	9.86	0.36	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a	
61	Nepal (2012)	22.07	9.82	0.35		n/a	Togo	n/a	n/a	n/a	
62	Italy (2008)	21.83	9.71	0.34	○	n/a	Uruguay	n/a	n/a	n/a	
63	Jamaica	21.09	9.36	0.33		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
64	Russian Federation	20.74	9.19	0.32		n/a	Yemen	n/a	n/a	n/a	

SOURCE: World Federation of Exchanges database; extracted from the World Bank's *World Development Indicators* database

NOTE: ● indicates a strength; ○ a weakness

4.2.3 Total value of stocks traded

Stocks traded, total value (% of GDP) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	China	115.50	100.00	0.98	●	65	Kazakhstan	0.40	0.34	0.23	
1	Hong Kong (China)	522.91	100.00	0.98	●	66	Malawi (2012)	0.38	0.33	0.22	
1	United States of America	236.91	100.00	0.98	●	67	Mongolia (2012)	0.33	0.29	0.20	
4	Japan	105.30	91.17	0.96		68	TFYR of Macedonia (2012)	0.32	0.27	0.19	
5	Switzerland	105.26	91.13	0.95		69	Nepal (2012)	0.26	0.22	0.18	
6	South Africa	92.72	80.28	0.94	●	70	Cyprus	0.24	0.21	0.17	○
7	Korea, Rep.	91.78	79.46	0.93		71	Moldova, Rep. (2009)	0.24	0.20	0.16	○
8	Thailand	76.73	66.44	0.92	●	72	El Salvador (2012)	0.22	0.19	0.14	
9	Saudi Arabia	76.03	65.83	0.90	●	73	Paraguay (2012)	0.21	0.18	0.13	
10	Canada	75.57	65.43	0.89		74	Luxembourg	0.20	0.17	0.12	○
11	Spain	73.10	63.29	0.88		75	Slovakia (2012)	0.18	0.15	0.11	○
12	Singapore	65.16	56.42	0.87		76	Ecuador (2012)	0.16	0.13	0.10	
13	Italy (2008)	59.95	51.91	0.86	●	77	Latvia (2012)	0.11	0.10	0.08	○
14	Netherlands	54.25	46.97	0.84		78	Kyrgyzstan (2012)	0.08	0.07	0.07	
15	Australia	50.58	43.79	0.83		79	Bolivia, Plurinational St. (2012)	0.07	0.06	0.06	○
16	Turkey	46.33	40.11	0.82	●	80	Tanzania, United Rep. (2012)	0.07	0.06	0.05	
17	Malaysia	42.40	36.71	0.81		81	Uganda (2012)	0.05	0.04	0.04	○
18	United Kingdom	41.58	36.00	0.80		82	Georgia (2012)	0.01	0.01	0.02	○
19	France	41.48	35.91	0.78		83	Armenia (2012)	0.01	0.01	0.01	○
20	United Arab Emirates	35.90	31.08	0.77		84	Uruguay (2012)	0.00	0.00	0.00	○
21	India	35.67	30.88	0.76		n/a	Albania	n/a	n/a	n/a	
22	Germany	34.84	30.16	0.75		n/a	Algeria	n/a	n/a	n/a	
23	Brazil	27.64	23.93	0.73		n/a	Azerbaijan	n/a	n/a	n/a	
24	Qatar	26.05	22.55	0.72		n/a	Bangladesh	n/a	n/a	n/a	
25	Norway	25.22	21.84	0.71		n/a	Belarus	n/a	n/a	n/a	
26	Portugal	20.48	17.73	0.70		n/a	Benin	n/a	n/a	n/a	
27	Belgium	20.20	17.49	0.69		n/a	Bhutan	n/a	n/a	n/a	
28	Israel	15.47	13.40	0.67		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
29	Philippines	14.84	12.84	0.66		n/a	Bulgaria	n/a	n/a	n/a	
30	Greece	14.27	12.35	0.65		n/a	Burkina Faso	n/a	n/a	n/a	
31	Viet Nam	11.71	10.14	0.64		n/a	Burundi	n/a	n/a	n/a	
32	Mexico	10.95	9.48	0.63		n/a	Cambodia	n/a	n/a	n/a	
33	Poland	10.69	9.25	0.61		n/a	Cameroon	n/a	n/a	n/a	
34	Chile	10.52	9.11	0.60		n/a	Costa Rica	n/a	n/a	n/a	
35	Indonesia	10.21	8.84	0.59		n/a	Côte d'Ivoire	n/a	n/a	n/a	
36	Egypt	9.28	8.03	0.58		n/a	Croatia	n/a	n/a	n/a	
37	Jordan	8.63	7.47	0.57		n/a	Czech Republic	n/a	n/a	n/a	
38	Russian Federation	8.60	7.45	0.55		n/a	Denmark	n/a	n/a	n/a	
39	Oman	7.10	6.14	0.54		n/a	Dominican Republic	n/a	n/a	n/a	
40	Ireland	6.64	5.74	0.53	○	n/a	Ethiopia	n/a	n/a	n/a	
41	Austria	6.62	5.73	0.52	○	n/a	Finland	n/a	n/a	n/a	
42	Iran, Islamic Rep.	5.49	4.75	0.51		n/a	Ghana	n/a	n/a	n/a	
43	Colombia	5.46	4.73	0.49		n/a	Guatemala	n/a	n/a	n/a	
44	Hungary	5.14	4.45	0.48		n/a	Guinea	n/a	n/a	n/a	
45	Iceland (2012)	4.83	4.18	0.47		n/a	Honduras	n/a	n/a	n/a	
46	Mauritius	3.67	3.17	0.46		n/a	Jamaica	n/a	n/a	n/a	
47	Sri Lanka	3.30	2.85	0.45		n/a	Kenya	n/a	n/a	n/a	
48	New Zealand (2009)	2.95	2.55	0.43	○	n/a	Kuwait	n/a	n/a	n/a	
49	Tunisia (2012)	2.77	2.40	0.42		n/a	Madagascar	n/a	n/a	n/a	
50	Morocco	2.77	2.39	0.41		n/a	Mali	n/a	n/a	n/a	
51	Peru	1.81	1.56	0.40		n/a	Mozambique	n/a	n/a	n/a	
52	Slovenia	1.49	1.28	0.39		n/a	Namibia	n/a	n/a	n/a	
53	Romania (2012)	1.24	1.07	0.37		n/a	Nicaragua	n/a	n/a	n/a	
54	Montenegro (2012)	1.05	0.91	0.36		n/a	Niger	n/a	n/a	n/a	
55	Bahrain (2012)	1.00	0.87	0.35		n/a	Nigeria	n/a	n/a	n/a	
56	Lebanon (2012)	0.94	0.82	0.34		n/a	Pakistan	n/a	n/a	n/a	
57	Argentina	0.87	0.76	0.33		n/a	Panama	n/a	n/a	n/a	
58	Zambia (2012)	0.78	0.68	0.31		n/a	Rwanda	n/a	n/a	n/a	
59	Estonia (2012)	0.78	0.67	0.30	○	n/a	Senegal	n/a	n/a	n/a	
60	Botswana (2012)	0.77	0.66	0.29		n/a	Sweden	n/a	n/a	n/a	
61	Serbia (2012)	0.71	0.61	0.28		n/a	Tajikistan	n/a	n/a	n/a	
62	Malta (2013)	0.70	0.60	0.27	○	n/a	Togo	n/a	n/a	n/a	
63	Ukraine (2012)	0.69	0.59	0.25		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
64	Lithuania (2012)	0.40	0.34	0.24	○	n/a	Yemen	n/a	n/a	n/a	

SOURCE: World Federation of Exchanges database; extracted from the World Bank's *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 billion PPP\$ GDP) | 2015

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Canada	0.65	100.00	0.95	●	65	Croatia	0.01	3.39	0.25	○
1	Finland	0.49	100.00	0.95	●	66	Viet Nam	0.01	3.32	0.24	
1	France	0.27	100.00	0.95	●	67	Russian Federation	0.01	3.23	0.22	○
1	Israel	0.46	100.00	0.95	●	68	Saudi Arabia	0.01	3.03	0.21	○
1	United States of America	0.42	100.00	0.95	●	69	Mexico	0.01	2.95	0.20	○
6	Estonia	0.26	99.54	0.94	●	70	Ghana	0.01	2.54	0.19	
7	United Kingdom	0.23	86.80	0.93		71	Egypt	0.01	2.24	0.18	
8	Denmark	0.23	86.40	0.92		72	Hungary	0.01	2.14	0.16	○
9	Ireland	0.21	79.68	0.91		73	Bulgaria	0.01	2.05	0.15	○
10	Iceland	0.20	74.34	0.89		74	Colombia	0.01	2.04	0.14	○
11	Sweden	0.19	73.19	0.88		75	Philippines	0.01	1.74	0.13	○
12	Luxembourg	0.19	73.09	0.87		76	Nigeria	0.01	1.59	0.12	
13	Switzerland	0.16	60.61	0.86		77	Thailand	0.01	1.59	0.11	○
14	Singapore	0.15	57.55	0.85		78	Ethiopia	0.01	1.57	0.09	
15	Latvia	0.12	44.90	0.84		79	Belarus	0.01	1.44	0.08	○
16	Australia	0.12	44.32	0.82		80	Ecuador	0.01	1.27	0.07	○
17	Germany	0.12	43.31	0.81		81	Romania	0.00	1.03	0.06	○
18	Netherlands	0.11	41.70	0.80		82	Kuwait	0.00	0.50	0.05	○
19	Lithuania	0.11	40.83	0.79		83	Argentina	0.00	0.37	0.04	○
20	Lebanon	0.11	39.98	0.78	●	84	Chile	0.00	0.08	0.02	○
21	New Zealand	0.10	38.12	0.76		85	Kazakhstan	0.00	0.07	0.01	○
22	Belgium	0.09	33.77	0.75		86	Pakistan	0.00	0.00	0.00	○
23	Kenya	0.09	33.73	0.74	●	n/a	Albania	n/a	n/a	n/a	
24	Jordan	0.08	31.25	0.73	●	n/a	Algeria	n/a	n/a	n/a	
25	Spain	0.08	30.55	0.72		n/a	Armenia	n/a	n/a	n/a	
26	Mauritius	0.08	30.20	0.71		n/a	Azerbaijan	n/a	n/a	n/a	
27	Hong Kong (China)	0.08	29.45	0.69		n/a	Bangladesh	n/a	n/a	n/a	
28	Norway	0.07	25.04	0.68		n/a	Benin	n/a	n/a	n/a	
29	Guinea	0.07	24.07	0.67	●	n/a	Bhutan	n/a	n/a	n/a	
30	Austria	0.06	23.66	0.66		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
31	Portugal	0.06	22.90	0.65		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
32	India	0.06	20.16	0.64		n/a	Botswana	n/a	n/a	n/a	
33	China	0.05	19.76	0.62		n/a	Burundi	n/a	n/a	n/a	
34	United Arab Emirates	0.05	18.73	0.61		n/a	Cameroon	n/a	n/a	n/a	
35	Rwanda	0.05	17.89	0.60		n/a	Dominican Republic	n/a	n/a	n/a	
36	Italy	0.04	15.80	0.59		n/a	El Salvador	n/a	n/a	n/a	
37	Poland	0.04	13.20	0.58		n/a	Georgia	n/a	n/a	n/a	
38	Cyprus	0.04	12.80	0.56		n/a	Guatemala	n/a	n/a	n/a	
39	Mali	0.03	12.22	0.55	●	n/a	Honduras	n/a	n/a	n/a	
40	Burkina Faso	0.03	11.37	0.54	●	n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
41	Tunisia	0.03	11.14	0.53		n/a	Jamaica	n/a	n/a	n/a	
42	Ukraine	0.03	10.31	0.52		n/a	Kyrgyzstan	n/a	n/a	n/a	
43	Senegal	0.03	9.66	0.51		n/a	Madagascar	n/a	n/a	n/a	
44	Japan	0.03	9.15	0.49		n/a	Malawi	n/a	n/a	n/a	
45	Panama	0.02	8.43	0.48		n/a	Malta	n/a	n/a	n/a	
46	Morocco	0.02	7.49	0.47		n/a	Moldova, Rep.	n/a	n/a	n/a	
47	Brazil	0.02	7.36	0.46		n/a	Mongolia	n/a	n/a	n/a	
48	Malaysia	0.02	7.13	0.45		n/a	Montenegro	n/a	n/a	n/a	
49	South Africa	0.02	6.53	0.44		n/a	Mozambique	n/a	n/a	n/a	
50	Slovakia	0.02	6.33	0.42		n/a	Namibia	n/a	n/a	n/a	
51	Cambodia	0.02	6.20	0.41		n/a	Nepal	n/a	n/a	n/a	
52	Peru	0.02	6.09	0.40		n/a	Nicaragua	n/a	n/a	n/a	
53	Czech Republic	0.02	6.06	0.39		n/a	Niger	n/a	n/a	n/a	
54	Korea, Rep.	0.02	5.76	0.38	○	n/a	Oman	n/a	n/a	n/a	
55	Slovenia	0.02	5.16	0.36	○	n/a	Paraguay	n/a	n/a	n/a	
56	Zambia	0.02	5.06	0.35		n/a	Qatar	n/a	n/a	n/a	
57	Bahrain	0.02	5.04	0.34		n/a	Serbia	n/a	n/a	n/a	
58	Tanzania, United Rep.	0.01	4.68	0.33		n/a	Sri Lanka	n/a	n/a	n/a	
59	Greece	0.01	4.58	0.32		n/a	Tajikistan	n/a	n/a	n/a	
60	Costa Rica	0.01	4.31	0.31		n/a	TFYR of Macedonia	n/a	n/a	n/a	
61	Côte d'Ivoire	0.01	4.04	0.29		n/a	Togo	n/a	n/a	n/a	
62	Uganda	0.01	3.95	0.28		n/a	Uruguay	n/a	n/a	n/a	
63	Indonesia	0.01	3.87	0.27		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
64	Turkey	0.01	3.77	0.26		n/a	Yemen	n/a	n/a	n/a	

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 (%) | 2013

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	.00	100.00	0.98	●	64	Saudi Arabia	3.57	77.59	0.49	
1	Singapore	.00	100.00	0.98	●	66	United Arab Emirates	3.60	77.40	0.48	
1	Switzerland	.00	100.00	0.98	●	67	Bahrain	3.69	76.84	0.48	
4	Botswana	.050	96.86	0.98	●	68	Kazakhstan	3.80	76.15	0.46	
5	Georgia (2012)	.068	95.73	0.97	●	68	Malawi	3.80	76.15	0.46	
6	Mauritius	.072	95.48	0.96	●	70	Kuwait	3.92	75.39	0.45	
7	Namibia	.075	95.29	0.95	●	71	South Africa	4.01	74.83	0.44	
8	Israel (2012)	.094	94.10	0.94		72	Yemen	4.09	74.33	0.44	●
9	Austria	.104	93.47	0.73		73	Qatar	4.10	74.26	0.43	
9	Belgium	.104	93.47	0.73		74	Morocco (2012)	4.11	74.20	0.42	
9	Bulgaria	.104	93.47	0.73		75	Mozambique (2010)	4.17	73.82	0.41	●
9	Cyprus	.104	93.47	0.73		76	Bolivia, Plurinational St.	4.23	73.45	0.40	
9	Czech Republic	.104	93.47	0.73		77	Lebanon (2007)	4.29	73.07	0.40	
9	Denmark	.104	93.47	0.73		78	Ecuador (2012)	4.34	72.76	0.39	
9	Estonia	.104	93.47	0.73		79	Philippines (2010)	4.37	72.57	0.38	
9	Finland	.104	93.47	0.73		80	Paraguay	4.42	72.25	0.37	
9	France	.104	93.47	0.73		81	Colombia	4.51	71.69	0.37	
9	Germany	.104	93.47	0.73		82	Azerbaijan	4.60	71.12	0.36	
9	Greece	.104	93.47	0.73		83	Uruguay	4.69	70.56	0.35	
9	Hungary	.104	93.47	0.73		84	Thailand (2009)	4.78	69.99	0.34	
9	Ireland	.104	93.47	0.73		85	Mongolia	5.03	68.42	0.33	
9	Italy	.104	93.47	0.73		86	Jordan (2009)	5.13	67.80	0.33	
9	Latvia	.104	93.47	0.73		87	Mexico (2010)	5.37	66.29	0.32	
9	Lithuania	.104	93.47	0.73		88	Burundi	5.40	66.10	0.31	
9	Luxembourg	.104	93.47	0.73		89	Moldova, Rep.	5.67	64.41	0.30	
9	Malta	.104	93.47	0.73		90	Tajikistan	5.69	64.28	0.29	
9	Netherlands	.104	93.47	0.73		91	Dominican Republic (2010)	6.08	61.83	0.28	
9	Poland	.104	93.47	0.73		91	Panama	6.08	61.83	0.28	
9	Portugal	.104	93.47	0.73		93	Russian Federation	6.25	60.77	0.26	
9	Romania	.104	93.47	0.73		93	Sri Lanka (2012)	6.25	60.77	0.26	
9	Slovakia	.104	93.47	0.73		95	Argentina	6.27	60.64	0.25	
9	Slovenia	.104	93.47	0.73		96	Madagascar	6.39	59.89	0.25	
9	Spain	.104	93.47	0.73		97	Côte d'Ivoire	6.59	58.63	0.24	
9	Sweden	.104	93.47	0.73		98	Honduras (2009)	6.71	57.88	0.23	
9	United Kingdom	.104	93.47	0.73		99	India (2009)	6.81	57.25	0.22	
36	Iceland	1.06	93.35	0.72		100	Korea, Rep. (2010)	7.17	54.99	0.21	○
37	Norway	1.09	93.16	0.71		101	Jamaica (2011)	7.34	53.92	0.21	
38	Albania	1.17	92.66	0.71	●	102	Mali	7.43	53.36	0.20	
39	Japan (2012)	1.22	92.34	0.70		103	Brazil (2012)	7.76	51.29	0.19	○
40	Croatia	1.30	91.84	0.69		104	Senegal	8.08	49.28	0.18	
41	New Zealand	1.38	91.34	0.68		105	Egypt (2009)	8.20	48.52	0.17	
42	United States of America	1.46	90.83	0.67		106	Tanzania, United Rep.	8.37	47.46	0.17	
43	Canada	1.50	90.58	0.67		107	Bangladesh (2008)	8.42	47.14	0.14	
44	Peru	1.52	90.46	0.66		107	Burkina Faso	8.42	47.14	0.14	
45	Bosnia and Herzegovina	1.54	90.33	0.65		107	Venezuela, Bolivarian Rep.	8.42	47.14	0.14	
46	Guatemala	1.75	89.01	0.64		110	Uganda	8.64	45.76	0.13	
47	Chile (2012)	1.78	88.83	0.63		111	Rwanda	8.70	45.39	0.13	
48	TFYR of Macedonia (2012)	1.81	88.64	0.63		112	Algeria (2009)	9.36	41.24	0.11	
49	Australia	1.83	88.51	0.62		112	Togo	9.36	41.24	0.11	
50	Nicaragua	1.87	88.26	0.61	●	114	Pakistan (2009)	9.55	40.05	0.10	
51	Ukraine (2012)	2.06	87.07	0.60		115	Kenya	9.65	39.42	0.10	○
52	El Salvador	2.12	86.69	0.60		116	Cambodia (2008)	9.91	37.79	0.09	○
53	Armenia	2.21	86.13	0.59		117	Ethiopia (2012)	9.96	37.48	0.07	
54	Indonesia	2.27	85.75	0.58		117	Ghana	9.96	37.48	0.07	
55	Oman	2.45	84.62	0.57		119	Bhutan (2007)	9.97	37.41	0.06	
56	Kyrgyzstan	2.46	84.56	0.56		120	Nigeria	10.07	36.79	0.06	
57	Montenegro (2012)	2.63	83.49	0.56		121	Niger	10.21	35.91	0.05	
58	Turkey	2.78	82.55	0.55		122	Cameroon (2012)	11.70	26.55	0.04	○
59	Costa Rica (2010)	2.79	82.49	0.54		123	Guinea (2012)	11.91	25.24	0.03	
60	Malaysia (2009)	2.81	82.36	0.53		124	Nepal	14.69	7.78	0.02	○
61	Belarus	3.00	81.17	0.52		125	Iran, Islamic Rep. (2011)	15.23	4.39	0.02	○
62	Zambia	3.35	78.97	0.52	●	126	Benin	15.60	2.07	0.01	○
63	Viet Nam	3.54	77.78	0.51		127	Tunisia (2008)	15.93	0.00	0.00	○
64	China (2011)	3.57	77.59	0.49		n/a	Serbia	n/a	n/a	n/a	

SOURCE: World Bank, based on UNCTAD TRAINS, WTO, IDB, 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 question: In your country, how intense is competition in the local markets? (1 = not intense at all; 7 = extremely intense) | 2015

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Japan	6.33	88.86	1.00	●	65	Ireland	5.08	68.06	0.48	○
2	Hong Kong (China)	6.16	86.02	0.99	●	66	Greece	5.07	67.81	0.47	
3	United Kingdom	6.02	83.69	0.98	●	67	Kuwait	5.05	67.49	0.46	
4	United States of America	6.01	83.58	0.98		68	Rwanda	5.04	67.35	0.45	
5	Belgium	5.97	82.92	0.97	●	69	Viet Nam	5.04	67.29	0.44	
6	Germany	5.97	82.83	0.96		70	Botswana	5.03	67.18	0.43	
7	United Arab Emirates	5.96	82.60	0.95	●	71	Morocco	5.03	67.10	0.43	
8	Australia	5.93	82.21	0.94	●	72	Honduras	4.99	66.47	0.42	
9	Turkey	5.87	81.17	0.93	●	73	Bangladesh	4.98	66.31	0.41	
10	Netherlands	5.86	80.99	0.93		74	Ecuador	4.97	66.23	0.40	
11	Malta	5.84	80.74	0.92		75	Russian Federation	4.97	66.23	0.39	
12	Korea, Rep.	5.82	80.40	0.91		76	Mongolia	4.96	65.99	0.39	
13	Czech Republic	5.75	79.12	0.90	●	77	Paraguay	4.95	65.85	0.38	
14	Austria	5.73	78.88	0.89		78	Senegal	4.95	65.80	0.37	
15	New Zealand	5.68	77.94	0.89		79	Benin	4.94	65.67	0.36	
16	Sri Lanka	5.67	77.76	0.88	●	80	Nepal	4.93	65.46	0.35	
17	Lithuania	5.64	77.41	0.87	●	81	Croatia	4.90	64.95	0.34	
18	Spain	5.61	76.86	0.86		82	Iceland	4.83	63.77	0.34	
19	Estonia	5.61	76.79	0.85		83	Armenia	4.81	63.51	0.33	
20	Singapore	5.58	76.29	0.84		84	Ghana	4.79	63.13	0.32	
21	Chile	5.57	76.18	0.84	●	85	Finland	4.76	62.65	0.31	○
22	Kenya	5.56	75.96	0.83	●	86	Tunisia	4.75	62.50	0.30	
23	Canada	5.55	75.89	0.82		87	Georgia	4.74	62.32	0.30	
24	Qatar	5.55	75.82	0.81		88	Uruguay	4.74	62.26	0.29	
25	Zambia	5.54	75.71	0.80	●	89	Kazakhstan	4.72	62.06	0.28	
26	Slovakia	5.54	75.62	0.80		90	Oman	4.71	61.82	0.27	
27	Guatemala	5.53	75.54	0.79	●	91	Nicaragua	4.70	61.59	0.26	
28	France	5.52	75.35	0.78		92	Cambodia	4.69	61.51	0.25	
29	Switzerland	5.52	75.34	0.77		93	Pakistan	4.69	61.48	0.25	
30	TFYR of Macedonia	5.47	74.53	0.76	●	94	Ukraine	4.66	60.94	0.24	
31	Mauritius	5.46	74.34	0.75		95	Namibia	4.64	60.61	0.23	
32	Sweden	5.46	74.27	0.75		96	India	4.63	60.57	0.22	
33	Lebanon	5.44	74.08	0.74		97	Bhutan	4.63	60.44	0.21	
34	Colombia	5.44	73.92	0.73		98	Moldova, Rep.	4.62	60.38	0.20	
35	China	5.41	73.46	0.72		99	Bulgaria	4.61	60.19	0.20	○
36	Malaysia	5.41	73.44	0.71		100	Côte d'Ivoire	4.60	60.06	0.19	
37	Latvia	5.40	73.41	0.70		101	Cameroon	4.59	59.80	0.18	
38	Jamaica	5.40	73.29	0.70	●	102	Tajikistan	4.59	59.79	0.17	
39	Saudi Arabia	5.39	73.13	0.69		103	Mozambique	4.56	59.39	0.16	
40	Brazil	5.37	72.85	0.68		104	Madagascar	4.56	59.38	0.16	
41	Thailand	5.36	72.72	0.67		105	Tanzania, United Rep.	4.53	58.82	0.15	
42	South Africa	5.35	72.53	0.66		106	Romania	4.51	58.58	0.14	○
43	Dominican Republic	5.34	72.35	0.66	●	107	Mali	4.46	57.74	0.13	
44	Denmark	5.30	71.69	0.65		108	Kyrgyzstan	4.44	57.34	0.12	
45	Cyprus	5.29	71.50	0.64		109	Israel	4.43	57.19	0.11	○
46	Bahrain	5.29	71.47	0.63		110	Bosnia and Herzegovina	4.40	56.60	0.11	○
47	Poland	5.29	71.45	0.62		111	Azerbaijan	4.35	55.81	0.10	○
48	Norway	5.28	71.41	0.61		112	Iran, Islamic Rep.	4.34	55.71	0.09	○
49	Uganda	5.28	71.39	0.61	●	113	Argentina	4.30	54.93	0.08	
50	Panama	5.28	71.33	0.60		114	Serbia	4.27	54.58	0.07	○
51	Italy	5.26	70.98	0.59		115	Ethiopia	4.27	54.58	0.07	
52	Portugal	5.26	70.98	0.58		116	Bolivia, Plurinational St.	4.27	54.44	0.06	○
53	Costa Rica	5.25	70.79	0.57		117	Egypt	4.24	53.95	0.05	○
54	Philippines	5.23	70.45	0.57		118	Guinea	4.20	53.28	0.04	
55	Jordan	5.21	70.22	0.56		119	Montenegro	4.18	52.99	0.03	○
56	Peru	5.17	69.45	0.55		120	Albania	4.04	50.62	0.02	○
57	Mexico	5.16	69.36	0.54		121	Burundi	3.91	48.56	0.02	
58	Nigeria	5.15	69.18	0.53	●	122	Algeria	3.74	45.70	0.01	○
59	Luxembourg	5.15	69.13	0.52		123	Venezuela, Bolivarian Rep.	2.75	29.13	0.00	○
60	El Salvador	5.13	68.77	0.52		n/a	Belarus	n/a	n/a	n/a	
61	Hungary	5.12	68.73	0.51		n/a	Burkina Faso	n/a	n/a	n/a	
62	Slovenia	5.12	68.69	0.50		n/a	Niger	n/a	n/a	n/a	
63	Indonesia	5.11	68.54	0.49		n/a	Togo	n/a	n/a	n/a	
64	Malawi	5.09	68.24	0.48		n/a	Yemen	n/a	n/a	n/a	

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

NOTE: ● indicates a strength; ○ a weakness

4.3.3 Domestic market scale

Domestic market scale as measured by GDP, bn PPP\$ | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	China	18,088.05	100.00	1.00	●	65	Slovakia	153.20	51.00	0.50	
2	United States of America	17,348.08	99.57	0.99	●	66	Ethiopia	145.10	50.43	0.49	●
3	India	7,411.09	90.89	0.98	●	67	Dominican Republic	138.51	49.94	0.48	
4	Japan	4,767.16	86.39	0.98	●	68	Kenya	133.02	49.51	0.47	
5	Germany	3,748.09	83.93	0.97	●	69	Bulgaria	129.10	49.19	0.46	
6	Russian Federation	3,576.84	83.46	0.96	●	70	Tanzania, United Rep.	128.16	49.12	0.46	●
7	Brazil	3,275.80	82.56	0.95	●	71	Tunisia	124.73	48.83	0.45	
8	Indonesia	2,685.89	80.53	0.94	●	72	Guatemala	119.81	48.40	0.44	
9	France	2,591.17	80.16	0.94	●	73	Ghana	108.46	47.34	0.43	
10	United Kingdom	2,569.22	80.07	0.93		74	Yemen	104.01	46.89	0.43	●
11	Mexico	2,148.88	78.25	0.92	●	75	Serbia	95.84	46.01	0.42	
12	Italy	2,135.36	78.18	0.91	●	76	Croatia	88.73	45.18	0.41	
13	Korea, Rep.	1,783.95	76.35	0.91		77	Lebanon	81.42	44.25	0.40	
14	Saudi Arabia	1,609.63	75.29	0.90	●	78	Lithuania	79.93	44.05	0.39	
15	Canada	1,595.98	75.21	0.89		79	Jordan	79.91	44.05	0.39	
16	Spain	1,572.11	75.05	0.88		80	Panama	76.77	43.61	0.38	
17	Turkey	1,514.86	74.67	0.87	●	81	Uganda	75.08	43.37	0.37	
18	Iran, Islamic Rep.	1,357.03	73.55	0.87	●	82	Uruguay	71.68	42.86	0.36	
19	Australia	1,099.77	71.39	0.86		83	Côte d'Ivoire	71.67	42.86	0.35	
20	Thailand	1,069.57	71.11	0.85	●	84	Costa Rica	71.23	42.80	0.35	
21	Nigeria	1,052.94	70.95	0.84	●	85	Bolivia, Plurinational St.	70.28	42.65	0.34	
22	Poland	959.85	70.00	0.83	●	86	Cameroon	67.78	42.25	0.33	
23	Argentina	951.00	69.90	0.83	●	87	Nepal	67.14	42.15	0.32	
24	Egypt	946.59	69.86	0.82	●	88	Bahrain	62.17	41.30	0.31	
25	Pakistan	884.23	69.16	0.81	●	89	Slovenia	61.56	41.19	0.31	○
26	Netherlands	808.80	68.24	0.80		90	Zambia	61.39	41.16	0.30	
27	Malaysia	769.45	67.73	0.80		91	Paraguay	58.49	40.62	0.29	
28	South Africa	707.10	66.86	0.79	●	92	Luxembourg	53.67	39.66	0.28	
29	Philippines	693.42	66.66	0.78	●	93	El Salvador	51.19	39.13	0.28	
30	Colombia	642.47	65.88	0.77		94	Cambodia	50.16	38.90	0.27	
31	United Arab Emirates	617.14	65.46	0.76		95	Latvia	48.36	38.49	0.26	○
32	Algeria	548.58	64.25	0.76	●	96	Honduras	39.22	36.08	0.25	
33	Venezuela, Bolivarian Rep.	540.90	64.11	0.75	●	97	Bosnia and Herzegovina	38.29	35.80	0.24	
34	Bangladesh	536.48	64.02	0.74	●	98	Estonia	36.78	35.33	0.24	○
35	Viet Nam	512.58	63.55	0.73	●	99	Botswana	35.87	35.03	0.23	
36	Belgium	483.33	62.95	0.72		100	Mongolia	34.87	34.70	0.22	
37	Switzerland	473.33	62.73	0.72		101	Georgia	34.35	34.52	0.21	
38	Singapore	454.35	62.31	0.71		102	Senegal	34.20	34.47	0.20	
39	Sweden	450.52	62.22	0.70		103	Madagascar	34.05	34.42	0.20	
40	Kazakhstan	420.01	61.50	0.69		104	Albania	31.59	33.52	0.19	
41	Chile	410.85	61.27	0.69		105	Mozambique	31.21	33.37	0.18	
42	Hong Kong (China)	400.36	61.01	0.68		106	Nicaragua	29.69	32.76	0.17	
43	Austria	396.81	60.91	0.67		107	Burkina Faso	29.42	32.65	0.17	
44	Romania	393.83	60.84	0.66		108	TFYR of Macedonia	27.72	31.92	0.16	○
45	Peru	372.69	60.27	0.65		109	Cyprus	27.52	31.83	0.15	○
46	Ukraine	371.81	60.24	0.65		110	Mali	27.50	31.82	0.14	
47	Norway	346.34	59.51	0.64		111	Armenia	24.37	30.30	0.13	
48	Czech Republic	315.86	58.55	0.63		112	Jamaica	24.10	30.16	0.13	○
49	Qatar	306.62	58.25	0.62		113	Mauritius	23.53	29.85	0.12	○
50	Greece	285.30	57.50	0.61		114	Namibia	23.48	29.82	0.11	○
51	Kuwait	282.64	57.40	0.61		115	Tajikistan	22.40	29.22	0.10	
52	Portugal	281.36	57.35	0.60		116	Benin	19.86	27.62	0.09	
53	Israel	272.11	57.01	0.59		117	Malawi	19.58	27.43	0.09	
54	Morocco	259.24	56.50	0.58		118	Kyrgyzstan	19.23	27.18	0.08	
55	Denmark	250.68	56.15	0.57		119	Rwanda	18.90	26.95	0.07	
56	Hungary	247.11	56.01	0.57		120	Niger	18.00	26.27	0.06	
57	Ireland	236.40	55.54	0.56	○	121	Moldova, Rep.	17.78	26.10	0.06	○
58	Finland	221.65	54.87	0.55	○	122	Guinea	15.13	23.75	0.05	
59	Sri Lanka	218.24	54.71	0.54		123	Iceland	14.34	22.93	0.04	○
60	Ecuador	181.15	52.76	0.54		124	Malta	14.12	22.70	0.03	○
61	Belarus	172.76	52.26	0.53		125	Togo	10.16	17.00	0.02	○
62	Azerbaijan	165.93	51.84	0.52		126	Montenegro	9.43	15.47	0.02	○
63	Oman	162.97	51.65	0.51		127	Burundi	8.41	12.89	0.01	○
64	New Zealand	160.80	51.51	0.50		128	Bhutan	5.87	0.00	0.00	○

SOURCE: World Bank, 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	Luxembourg	62.30	100.00	1.00	●	65	Romania	21.46	33.66	0.39	
2	Singapore	53.07	85.02	0.99	●	66	Uruguay	20.95	32.82	0.38	
3	Switzerland	52.09	83.41	0.98	●	67	Tunisia (2012)	20.94	32.81	0.37	
4	Norway	50.66	81.09	0.97	●	68	Mauritius (2012)	20.37	31.89	0.36	
5	Sweden	49.39	79.03	0.96	●	69	Jamaica (2008)	20.11	31.47	0.35	
6	Iceland	48.15	77.02	0.95		70	Bangladesh (2011)	20.01	31.30	0.34	
7	Israel	47.68	76.25	0.94		71	Turkey	19.73	30.84	0.33	
8	United Kingdom	47.44	75.86	0.93		72	Pakistan (2008)	19.48	30.43	0.32	
9	Netherlands	46.44	74.24	0.92		73	Mexico	19.46	30.40	0.31	
10	Belgium	46.20	73.84	0.91	●	74	Venezuela, Bolivarian Rep. (2013)	19.17	29.94	0.30	
11	Denmark	45.27	72.34	0.90		75	Qatar (2013)	18.24	28.43	0.30	
12	Finland	45.21	72.23	0.90		76	Paraguay	18.09	28.18	0.29	
13	Australia	44.90	71.74	0.89		77	Botswana (2010)	17.92	27.89	0.28	
14	Russian Federation	44.22	70.63	0.88	●	78	Kyrgyzstan	17.88	27.84	0.27	
15	France	43.98	70.25	0.87		79	Algeria (2013)	17.57	27.33	0.26	
16	Canada	43.72	69.82	0.86		80	Dominican Republic (2013)	17.18	26.69	0.25	
17	Germany	43.50	69.46	0.85		81	Iran, Islamic Rep.	17.14	26.63	0.24	
18	New Zealand (2008)	42.92	68.52	0.84		82	Sri Lanka	16.88	26.20	0.23	
19	Estonia	42.72	68.19	0.83		83	Colombia (2010)	16.82	26.11	0.22	
20	Lithuania	42.65	68.09	0.82		84	Albania (2009)	16.08	24.91	0.21	
21	Slovenia	41.68	66.50	0.81		85	Bolivia, Plurinational St. (2009)	15.25	23.57	0.20	
22	Austria	40.43	64.47	0.80		86	Peru (2013)	14.96	23.08	0.19	
23	Ireland	40.30	64.26	0.79		87	Nicaragua (2006)	14.82	22.87	0.18	
24	Latvia	39.59	63.11	0.78		88	Bhutan	14.78	22.80	0.17	
25	Malta	39.33	62.68	0.77		89	Namibia (2013)	14.54	22.40	0.16	
26	United States of America (2013)	38.01	60.55	0.76		90	Thailand	13.80	21.20	0.15	○
27	Hong Kong (China)	37.91	60.38	0.75		91	Ecuador	12.33	18.83	0.14	
28	Czech Republic	37.85	60.29	0.74		92	El Salvador (2013)	12.13	18.50	0.13	
29	Montenegro (2012)	37.21	59.25	0.73		93	Guatemala	10.90	16.50	0.12	
30	Poland	36.78	58.55	0.72		94	Viet Nam	10.30	15.53	0.11	○
31	Egypt (2013)	36.25	57.68	0.71	●	95	Ghana (2010)	9.61	14.41	0.10	
32	United Arab Emirates (2008)	36.09	57.42	0.70		96	Indonesia (2013)	8.90	13.24	0.10	
33	Belarus (2009)	35.88	57.09	0.70		97	Zambia (2010)	7.28	10.62	0.09	
34	Cyprus	35.79	56.94	0.69		98	Morocco (2008)	6.79	9.81	0.08	○
35	Croatia	35.66	56.73	0.68		99	Nepal (2008)	4.28	5.74	0.07	○
36	Italy	35.62	56.65	0.67		100	Cambodia (2010)	4.12	5.48	0.06	○
37	Hungary	35.35	56.22	0.66		101	Uganda (2013)	4.09	5.43	0.05	○
38	Portugal	34.83	55.38	0.65		102	Ethiopia (2013)	3.77	4.91	0.04	
39	Ukraine (2013)	33.74	53.60	0.64		103	Rwanda (2012)	3.76	4.89	0.03	○
40	Spain	33.09	52.55	0.63		104	Madagascar (2012)	3.54	4.54	0.02	○
41	Kazakhstan (2013)	32.33	51.32	0.62		105	Tanzania, United Rep. (2006)	2.57	2.96	0.01	○
42	Slovakia	31.94	50.67	0.61		106	Guinea (2010)	0.75	0.00	0.00	○
43	Bulgaria	31.93	50.66	0.60		n/a	Bahrain	n/a	n/a	n/a	
44	Lebanon (2007)	31.86	50.55	0.59		n/a	Benin	n/a	n/a	n/a	
45	Greece	30.59	48.49	0.58		n/a	Burkina Faso	n/a	n/a	n/a	
46	Serbia	29.13	46.11	0.57		n/a	Burundi	n/a	n/a	n/a	
47	Moldova, Rep.	28.69	45.41	0.56		n/a	Cameroon	n/a	n/a	n/a	
48	Saudi Arabia	28.09	44.42	0.55		n/a	China	n/a	n/a	n/a	
49	Armenia (2011)	26.89	42.47	0.54		n/a	Côte d'Ivoire	n/a	n/a	n/a	
50	TFYR of Macedonia	26.33	41.56	0.53		n/a	Honduras	n/a	n/a	n/a	
51	Malaysia	25.19	39.70	0.52		n/a	India	n/a	n/a	n/a	
52	Mongolia	25.01	39.42	0.51		n/a	Jordan	n/a	n/a	n/a	
53	Costa Rica (2013)	25.01	39.42	0.50		n/a	Kenya	n/a	n/a	n/a	
54	Bosnia and Herzegovina	24.88	39.20	0.50		n/a	Kuwait	n/a	n/a	n/a	
55	Chile	24.83	39.13	0.49		n/a	Malawi	n/a	n/a	n/a	
56	South Africa	24.78	39.04	0.48		n/a	Mali	n/a	n/a	n/a	
57	Japan	24.37	38.39	0.47		n/a	Mozambique	n/a	n/a	n/a	
58	Panama	23.99	37.77	0.46		n/a	Niger	n/a	n/a	n/a	
59	Argentina	23.92	37.65	0.45		n/a	Nigeria	n/a	n/a	n/a	
60	Philippines	23.49	36.96	0.44		n/a	Oman	n/a	n/a	n/a	
61	Azerbaijan	23.43	36.85	0.43		n/a	Senegal	n/a	n/a	n/a	
62	Georgia (2007)	22.25	34.94	0.42		n/a	Tajikistan	n/a	n/a	n/a	
63	Brazil	21.63	33.92	0.41		n/a	Togo	n/a	n/a	n/a	
64	Korea, Rep.	21.56	33.82	0.40		n/a	Yemen	n/a	n/a	n/a	

SOURCE: International Labour Organization (ILO), *ILOSTAT Database of Labour Statistics* (2006–14)

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	●	65	Lebanon	26.60	30.61	0.31	
2	Thailand (2006)	75.30	94.85	0.99	●	66	Morocco	26.30	30.21	0.30	
3	Sweden (2014)	70.30	88.26	0.98	●	67	Bhutan (2015)	26.00	29.82	0.29	
4	Cambodia	67.90	85.09	0.97	●	68	Jamaica (2010)	25.90	29.68	0.28	
5	Ecuador (2010)	65.90	82.45	0.96	●	69	Mauritius (2009)	25.60	29.29	0.27	
6	Colombia (2010)	65.20	81.53	0.95	●	70	Cameroon (2009)	25.50	29.16	0.26	
7	Argentina (2010)	63.60	79.42	0.94	●	71	Namibia (2014)	25.40	29.02	0.25	
8	Kyrgyzstan	62.70	78.23	0.92	●	72	Latvia	25.20	28.76	0.24	○
9	El Salvador (2010)	61.00	75.99	0.91	●	73	Burkina Faso (2009)	24.80	28.23	0.23	
10	Mongolia	60.90	75.86	0.90	●	74	Albania	23.80	26.91	0.22	
11	Peru (2010)	60.10	74.80	0.89	●	75	Montenegro	23.70	26.78	0.20	○
12	Chile (2010)	57.50	71.37	0.88	●	76	Ukraine	22.60	25.33	0.19	
13	Bolivia, Plurinational St. (2010)	57.10	70.84	0.87	●	77	Mozambique (2007)	22.10	24.67	0.18	
14	Dominican Republic (2010)	57.00	70.71	0.86	●	78	Bangladesh	21.90	24.41	0.17	
15	Venezuela, Bolivarian Rep. (2010)	56.00	69.39	0.85	●	79	Guinea (2006)	21.10	23.35	0.16	
16	Rwanda (2011)	55.40	68.60	0.84	●	80	Azerbaijan	20.20	22.16	0.15	
17	Czech Republic	55.10	68.21	0.83	●	81	Côte d'Ivoire (2009)	19.10	20.71	0.14	
18	Paraguay (2010)	54.90	67.94	0.82	●	82	Israel	18.60	20.05	0.13	○
19	Costa Rica (2010)	54.70	67.68	0.81	●	83	Sri Lanka (2011)	18.40	19.79	0.12	○
20	Bosnia and Herzegovina	52.40	64.64	0.80	●	84	Senegal (2014)	17.40	18.47	0.11	
21	Botswana (2010)	51.90	63.98	0.77	●	85	Algeria (2007)	17.30	18.34	0.10	
21	Guatemala (2010)	51.90	63.98	0.77	●	86	Armenia	16.20	16.89	0.09	○
23	Belarus	51.10	62.93	0.76	●	87	Hungary	15.80	16.36	0.08	○
24	Mexico (2010)	50.80	62.53	0.75	●	88	Yemen	14.30	14.38	0.06	
25	Malaysia (2007)	50.10	61.61	0.74		89	Madagascar	12.70	12.27	0.05	
26	Croatia	49.30	60.55	0.73		90	Panama (2010)	11.00	10.03	0.04	○
27	Uruguay (2010)	48.60	59.63	0.72	●	91	Georgia	10.50	9.37	0.03	○
28	Nicaragua (2010)	47.20	57.78	0.71	●	92	Egypt	5.20	2.37	0.02	○
29	TFYR of Macedonia	46.90	57.39	0.70		93	Indonesia (2009)	4.70	1.72	0.01	○
30	Russian Federation (2012)	46.10	56.33	0.69		94	Jordan	3.40	0.00	0.00	○
31	Slovakia	43.50	52.90	0.67		n/a	Australia	n/a	n/a	n/a	
31	Viet Nam (2009)	43.50	52.90	0.67		n/a	Austria	n/a	n/a	n/a	
33	Bulgaria	42.70	51.85	0.66		n/a	Bahrain	n/a	n/a	n/a	
34	Brazil (2009)	42.20	51.19	0.65		n/a	Belgium	n/a	n/a	n/a	
35	Lithuania	42.00	50.92	0.63		n/a	Canada	n/a	n/a	n/a	
36	Slovenia	41.50	50.26	0.62		n/a	Cyprus	n/a	n/a	n/a	
37	Romania	40.70	49.21	0.61		n/a	Denmark	n/a	n/a	n/a	
38	Kenya	40.60	49.08	0.60		n/a	Finland	n/a	n/a	n/a	
39	Ghana	40.10	48.42	0.59	●	n/a	France	n/a	n/a	n/a	
40	Serbia	37.80	45.38	0.58		n/a	Germany	n/a	n/a	n/a	
41	South Africa (2007)	36.80	44.06	0.57		n/a	Greece	n/a	n/a	n/a	
42	India (2014)	35.90	42.88	0.56		n/a	Hong Kong (China)	n/a	n/a	n/a	
43	Honduras (2010)	35.80	42.74	0.55		n/a	Iceland	n/a	n/a	n/a	
44	Estonia	35.20	41.95	0.54		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
45	Uganda	34.70	41.29	0.53		n/a	Ireland	n/a	n/a	n/a	
46	Poland	34.60	41.16	0.52		n/a	Italy	n/a	n/a	n/a	
47	Tajikistan	33.10	39.18	0.51		n/a	Japan	n/a	n/a	n/a	
48	Malawi (2014)	32.90	38.92	0.49		n/a	Korea, Rep.	n/a	n/a	n/a	
49	Moldova, Rep.	32.40	38.26	0.48		n/a	Kuwait	n/a	n/a	n/a	
50	Mali (2010)	32.10	37.86	0.46		n/a	Luxembourg	n/a	n/a	n/a	
50	Niger (2009)	32.10	37.86	0.46		n/a	Malta	n/a	n/a	n/a	
52	Burundi (2014)	32.00	37.73	0.44		n/a	Netherlands	n/a	n/a	n/a	
52	Pakistan	32.00	37.73	0.44		n/a	New Zealand	n/a	n/a	n/a	
54	Nepal	31.90	37.60	0.43	●	n/a	Norway	n/a	n/a	n/a	
55	Philippines (2009)	31.10	36.54	0.42		n/a	Oman	n/a	n/a	n/a	
56	Togo (2009)	31.00	36.41	0.41	●	n/a	Portugal	n/a	n/a	n/a	
57	Nigeria (2014)	30.80	36.15	0.40		n/a	Qatar	n/a	n/a	n/a	
58	Tanzania, United Rep.	30.70	36.02	0.39		n/a	Saudi Arabia	n/a	n/a	n/a	
59	Ethiopia (2011)	30.00	35.09	0.38		n/a	Singapore	n/a	n/a	n/a	
60	Tunisia	28.90	33.64	0.37		n/a	Spain	n/a	n/a	n/a	
61	Kazakhstan	28.40	32.98	0.34		n/a	Switzerland	n/a	n/a	n/a	
61	Turkey	28.40	32.98	0.34		n/a	United Arab Emirates	n/a	n/a	n/a	
63	Zambia	28.20	32.72	0.33		n/a	United Kingdom	n/a	n/a	n/a	
64	Benin (2009)	27.00	31.13	0.32		n/a	United States of America	n/a	n/a	n/a	

SOURCE: World Bank, *Enterprise Surveys* (2006–15)

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	3.47	100.00	1.00	●	65	Kazakhstan (2013)	0.05	1.48	0.26	
2	Korea, Rep.	3.36	96.74	0.99	●	66	Bosnia and Herzegovina	0.05	1.46	0.24	
3	Japan	2.79	80.31	0.98	●	67	Colombia	0.05	1.45	0.23	
4	Finland	2.15	61.93	0.97		68	Viet Nam (2011)	0.05	1.43	0.22	
5	Sweden	2.12	61.07	0.95		69	Philippines (2013)	0.05	1.42	0.21	
6	Austria	2.11	60.94	0.94	●	70	Sri Lanka (2013)	0.05	1.30	0.20	
7	Switzerland (2012)	2.05	59.21	0.93		71	Oman (2013)	0.04	1.18	0.19	
8	Denmark	1.98	56.92	0.92		72	TFYR of Macedonia (2011)	0.03	1.00	0.17	
9	Germany	1.93	55.57	0.91		73	Uruguay (2013)	0.03	0.94	0.16	○
10	United States of America (2013)	1.92	55.43	0.90		74	Botswana (2012)	0.03	0.78	0.15	
11	Slovenia	1.85	53.19	0.88		75	Indonesia (2013)	0.02	0.63	0.14	
12	Belgium	1.76	50.58	0.87		76	Azerbaijan	0.02	0.60	0.13	
13	China	1.58	45.57	0.86		77	Namibia (2010)	0.02	0.52	0.12	
14	France	1.46	42.11	0.85		78	Kyrgyzstan	0.02	0.52	0.10	
15	Australia (2013)	1.24	35.63	0.84		79	Mongolia	0.01	0.32	0.09	○
16	Singapore (2013)	1.19	34.26	0.83		80	Mali (2007)	0.01	0.21	0.08	
17	Czech Republic	1.12	32.21	0.81		81	Ethiopia (2013)	0.01	0.20	0.07	
18	Ireland	1.11	32.11	0.80		82	Zambia (2008)	0.01	0.16	0.06	○
19	Netherlands	1.11	31.98	0.79		83	Panama (2011)	0.00	0.10	0.05	○
20	United Kingdom	1.10	31.56	0.78		84	Senegal (2010)	0.00	0.05	0.03	○
21	Iceland	1.07	30.95	0.77		85	Ghana (2010)	0.00	0.01	0.02	○
22	Hungary	0.98	28.25	0.76		86	Paraguay (2011)	0.00	0.01	0.01	○
23	Norway	0.92	26.43	0.74		87	Guatemala (2012)	0.00	0.00	0.00	○
24	Canada	0.80	23.17	0.73		n/a	Albania	n/a	n/a	n/a	
25	Italy	0.72	20.65	0.72		n/a	Algeria	n/a	n/a	n/a	
26	Russian Federation	0.71	20.39	0.71		n/a	Armenia	n/a	n/a	n/a	
27	Malaysia (2012)	0.70	20.29	0.70		n/a	Bahrain	n/a	n/a	n/a	
28	Luxembourg	0.66	19.03	0.69		n/a	Bangladesh	n/a	n/a	n/a	
29	Spain	0.64	18.51	0.67		n/a	Benin	n/a	n/a	n/a	
30	Estonia	0.62	17.90	0.66		n/a	Bhutan	n/a	n/a	n/a	
31	Portugal	0.59	17.09	0.65		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
32	New Zealand (2013)	0.54	15.67	0.64		n/a	Brazil	n/a	n/a	n/a	
33	United Arab Emirates	0.52	14.98	0.63		n/a	Burkina Faso	n/a	n/a	n/a	
34	Bulgaria	0.51	14.76	0.62		n/a	Burundi	n/a	n/a	n/a	
35	Malta	0.51	14.61	0.60		n/a	Cambodia	n/a	n/a	n/a	
36	Turkey	0.50	14.44	0.59		n/a	Cameroon	n/a	n/a	n/a	
37	Belarus (2013)	0.44	12.68	0.58		n/a	Côte d'Ivoire	n/a	n/a	n/a	
38	Poland	0.44	12.62	0.57		n/a	Dominican Republic	n/a	n/a	n/a	
39	Croatia	0.38	10.98	0.56		n/a	El Salvador	n/a	n/a	n/a	
40	Ukraine	0.37	10.70	0.55		n/a	Georgia	n/a	n/a	n/a	
41	Hong Kong (China) (2013)	0.33	9.45	0.53		n/a	Guinea	n/a	n/a	n/a	
42	Slovakia	0.33	9.41	0.52		n/a	Honduras	n/a	n/a	n/a	
43	South Africa (2012)	0.32	9.33	0.51		n/a	Jamaica	n/a	n/a	n/a	
44	Lithuania	0.30	8.64	0.50		n/a	Jordan	n/a	n/a	n/a	
45	India (2011)	0.29	8.40	0.49		n/a	Kuwait	n/a	n/a	n/a	
46	Greece	0.28	8.18	0.48		n/a	Lebanon	n/a	n/a	n/a	
47	Latvia	0.25	7.06	0.47		n/a	Madagascar	n/a	n/a	n/a	
48	Serbia	0.23	6.63	0.45		n/a	Malawi	n/a	n/a	n/a	
49	Morocco (2010)	0.21	6.16	0.44		n/a	Mauritius	n/a	n/a	n/a	
50	Ecuador (2011)	0.20	5.69	0.43		n/a	Mozambique	n/a	n/a	n/a	
51	Montenegro (2013)	0.18	5.32	0.42		n/a	Nepal	n/a	n/a	n/a	
52	Thailand (2011)	0.18	5.27	0.41		n/a	Nicaragua	n/a	n/a	n/a	
53	Costa Rica (2013)	0.18	5.10	0.40		n/a	Niger	n/a	n/a	n/a	
54	Mexico (2011)	0.17	4.78	0.38		n/a	Nigeria	n/a	n/a	n/a	
55	Uganda (2010)	0.17	4.76	0.37		n/a	Pakistan	n/a	n/a	n/a	
56	Romania	0.16	4.58	0.36		n/a	Peru	n/a	n/a	n/a	
57	Argentina (2013)	0.15	4.27	0.35		n/a	Rwanda	n/a	n/a	n/a	
58	Chile	0.13	3.66	0.34		n/a	Saudi Arabia	n/a	n/a	n/a	
59	Qatar (2012)	0.12	3.50	0.33		n/a	Tajikistan	n/a	n/a	n/a	
60	Cyprus	0.08	2.35	0.31		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
61	Iran, Islamic Rep. (2008)	0.07	2.05	0.30		n/a	Togo	n/a	n/a	n/a	
62	Moldova, Rep.	0.07	1.97	0.29		n/a	Tunisia	n/a	n/a	n/a	
63	Kenya (2010)	0.07	1.96	0.28		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
64	Egypt	0.05	1.57	0.27		n/a	Yemen	n/a	n/a	n/a	

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) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Japan	77.26	100.00	1.00	●	65	Tunisia (2012)	18.70	24.12	0.30	
2	China	75.42	97.61	0.99	●	66	Luxembourg (2013)	16.51	21.29	0.29	
3	Korea, Rep.	75.33	97.49	0.98	●	67	Uganda (2010)	13.67	17.61	0.28	
4	United Arab Emirates	74.29	96.14	0.97	●	68	Cyprus (2013)	12.11	15.59	0.27	
5	Slovenia	68.39	88.50	0.96	●	69	Burkina Faso (2009)	11.93	15.36	0.26	
6	Germany (2013)	65.44	84.68	0.95		70	Uruguay (2013)	10.24	13.16	0.25	
7	Australia (2008)	61.91	80.10	0.93		71	Mali (2007)	10.10	12.98	0.24	
8	Sweden (2013)	60.96	78.87	0.92		72	Serbia	8.19	10.51	0.23	
9	United States of America (2013)	60.85	78.74	0.91		73	Egypt	8.09	10.38	0.22	
10	Switzerland (2012)	60.78	78.64	0.90		74	Mongolia	7.47	9.58	0.21	
11	Malaysia (2012)	60.20	77.89	0.89		75	Kyrgyzstan	7.41	9.50	0.20	
12	Denmark	57.88	74.88	0.88		76	Botswana (2012)	5.81	7.43	0.18	
13	Belgium (2013)	56.97	73.70	0.87		77	Azerbaijan	5.25	6.70	0.17	
14	France (2013)	55.03	71.19	0.86		78	Bolivia, Plurinational St. (2009)	5.20	6.64	0.16	
15	Ireland	53.62	69.37	0.85		79	Costa Rica (2013)	4.97	6.33	0.15	○
16	Finland	53.53	69.25	0.84		80	Kenya (2010)	4.34	5.52	0.14	
17	Singapore (2013)	52.67	68.14	0.83		81	Senegal (2010)	4.10	5.20	0.13	
18	Thailand (2011)	51.74	66.94	0.82	●	82	Albania (2008)	3.26	4.12	0.12	
19	Netherlands	51.53	66.66	0.80		83	Zambia (2008)	3.23	4.08	0.11	
20	Turkey	50.87	65.80	0.79		84	Tajikistan (2011)	1.65	2.03	0.10	
21	Malta	50.02	64.70	0.78		85	Kuwait (2013)	1.41	1.73	0.09	○
22	Hungary	48.28	62.45	0.77		86	Paraguay (2012)	0.85	1.00	0.08	
23	Hong Kong (China) (2013)	47.58	61.54	0.76		87	Ethiopia (2013)	0.75	0.87	0.07	
24	Austria (2015)	47.16	60.99	0.75		88	El Salvador (2013)	0.71	0.82	0.05	○
25	United Kingdom	46.48	60.11	0.74		89	Ecuador (2011)	0.42	0.44	0.04	○
26	Spain (2013)	46.30	59.89	0.73		90	Mauritius (2012)	0.27	0.25	0.03	○
27	Canada	45.39	58.70	0.72		91	Nigeria (2007)	0.16	0.10	0.02	
28	Italy (2013)	45.19	58.45	0.71		92	Ghana (2010)	0.10	0.03	0.01	○
29	Belarus (2013)	43.79	56.63	0.70		93	Tanzania, United Rep. (2010)	0.08	0.00	0.00	○
30	Norway (2013)	43.14	55.79	0.68		n/a	Algeria	n/a	n/a	n/a	
31	Croatia	42.91	55.50	0.67		n/a	Armenia	n/a	n/a	n/a	
32	Montenegro (2013)	42.32	54.72	0.66		n/a	Bahrain	n/a	n/a	n/a	
33	Portugal (2013)	42.27	54.66	0.65		n/a	Bangladesh	n/a	n/a	n/a	
34	Sri Lanka (2013)	40.68	52.61	0.64	●	n/a	Benin	n/a	n/a	n/a	
35	Brazil (2013)	40.35	52.17	0.63		n/a	Bhutan	n/a	n/a	n/a	
36	New Zealand (2013)	39.78	51.43	0.62		n/a	Burundi	n/a	n/a	n/a	
37	Iceland (2013)	39.16	50.63	0.61		n/a	Cambodia	n/a	n/a	n/a	
38	Poland	39.00	50.42	0.60		n/a	Cameroon	n/a	n/a	n/a	
39	South Africa (2012)	38.34	49.57	0.59		n/a	Côte d'Ivoire	n/a	n/a	n/a	
40	Czech Republic (2013)	37.60	48.60	0.58		n/a	Dominican Republic	n/a	n/a	n/a	
41	Estonia	36.97	47.79	0.57		n/a	Georgia	n/a	n/a	n/a	
42	Philippines (2013)	36.86	47.65	0.55		n/a	Guatemala	n/a	n/a	n/a	
43	Israel (2013)	36.54	47.24	0.54		n/a	Guinea	n/a	n/a	n/a	
44	Ukraine	35.17	45.46	0.53		n/a	Honduras	n/a	n/a	n/a	
45	Romania	32.91	42.54	0.52		n/a	India	n/a	n/a	n/a	
46	Slovakia	32.21	41.63	0.51		n/a	Indonesia	n/a	n/a	n/a	
47	Chile	31.96	41.31	0.50		n/a	Jamaica	n/a	n/a	n/a	
48	Lithuania	31.68	40.94	0.49		n/a	Jordan	n/a	n/a	n/a	
49	Iran, Islamic Rep. (2008)	30.92	39.95	0.48		n/a	Lebanon	n/a	n/a	n/a	
50	Colombia	30.52	39.43	0.47		n/a	Madagascar	n/a	n/a	n/a	
51	Greece	29.98	38.74	0.46		n/a	Malawi	n/a	n/a	n/a	
52	Morocco (2010)	29.94	38.68	0.45		n/a	Moldova, Rep.	n/a	n/a	n/a	
53	Kazakhstan (2013)	28.92	37.37	0.43		n/a	Mozambique	n/a	n/a	n/a	
54	Viet Nam (2011)	28.40	36.70	0.42		n/a	Nepal	n/a	n/a	n/a	
55	Latvia	27.83	35.95	0.41		n/a	Nicaragua	n/a	n/a	n/a	
56	Russian Federation	27.07	34.97	0.40		n/a	Niger	n/a	n/a	n/a	
57	Argentina (2008)	26.52	34.26	0.39		n/a	Pakistan	n/a	n/a	n/a	
58	Oman (2013)	24.55	31.70	0.38		n/a	Peru	n/a	n/a	n/a	
59	Bosnia and Herzegovina	24.24	31.30	0.37		n/a	Rwanda	n/a	n/a	n/a	
60	Qatar (2012)	24.18	31.23	0.36		n/a	Saudi Arabia	n/a	n/a	n/a	
61	Mexico	23.76	30.68	0.35		n/a	TFYR of Macedonia	n/a	n/a	n/a	
62	Namibia (2010)	19.83	25.59	0.34		n/a	Togo	n/a	n/a	n/a	
63	Bulgaria (2013)	19.51	25.18	0.33		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
64	Panama (2011)	18.86	24.33	0.32		n/a	Yemen	n/a	n/a	n/a	

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	●	65	Bosnia and Herzegovina	9.55	28.12	0.26	
2	Russian Federation	32.98	97.43	0.99	●	66	Botswana (2010)	9.16	26.97	0.25	
3	Israel (2013)	28.38	83.83	0.98	●	67	Brazil	9.14	26.92	0.24	
4	Ukraine (2013)	28.10	83.01	0.97	●	68	Albania	8.97	26.42	0.23	
5	Armenia (2013)	27.45	81.08	0.95	●	69	Mexico (2013)	8.16	24.01	0.22	○
6	Lithuania	26.13	77.19	0.94	●	70	Sri Lanka (2012)	7.58	22.29	0.21	
7	Finland	26.00	76.81	0.93		71	Thailand (2013)	7.55	22.20	0.20	○
8	Estonia	25.13	74.23	0.92	●	72	Turkey	7.37	21.69	0.18	○
9	Ireland	24.18	71.40	0.91		73	Mauritius (2010)	7.35	21.63	0.17	
10	Cyprus	24.10	71.16	0.90		74	Viet Nam	6.58	19.34	0.16	○
11	Norway	24.05	71.03	0.89		75	Ethiopia (2012)	6.02	17.69	0.15	
12	Sweden	23.27	68.72	0.87		76	Saudi Arabia	5.76	16.91	0.14	○
13	Belgium	23.18	68.45	0.86		77	Egypt (2013)	5.51	16.19	0.13	
14	Singapore (2013)	22.73	67.13	0.85		78	Qatar (2013)	4.50	13.19	0.11	
15	Australia (2013)	22.64	66.85	0.84		79	Algeria (2010)	4.41	12.93	0.10	
16	Latvia	22.54	66.54	0.83		80	Indonesia (2013)	3.94	11.53	0.09	
17	Luxembourg	22.34	65.97	0.82		81	Guatemala (2013)	3.52	10.30	0.08	
18	United Kingdom	21.74	64.18	0.80		82	Uganda (2013)	2.71	7.90	0.07	
19	Iceland	21.50	63.48	0.79		83	Madagascar (2012)	2.31	6.72	0.06	
20	Spain	21.48	63.42	0.78		84	Bhutan (2013)	1.12	3.18	0.05	○
21	Denmark	21.08	62.25	0.77		85	Senegal (2011)	0.74	2.05	0.03	○
22	New Zealand (2013)	20.83	61.49	0.76		86	Tanzania, United Rep. (2013)	0.67	1.86	0.02	○
23	France	20.45	60.36	0.75		87	Mozambique (2012)	0.51	1.39	0.01	○
24	Japan	19.66	58.04	0.74		88	El Salvador (2013)	0.04	0.00	0.00	○
25	Bulgaria	19.37	57.18	0.72		n/a	Bahrain	n/a	n/a	n/a	
26	Poland	18.95	55.94	0.71		n/a	Bangladesh	n/a	n/a	n/a	
27	Slovenia	18.77	55.40	0.70		n/a	Benin	n/a	n/a	n/a	
28	Netherlands	18.32	54.06	0.69		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
29	Kazakhstan (2013)	17.55	51.80	0.68		n/a	Burkina Faso	n/a	n/a	n/a	
30	Switzerland	17.00	50.16	0.67		n/a	Burundi	n/a	n/a	n/a	
31	Mongolia	16.71	49.32	0.66		n/a	Cambodia	n/a	n/a	n/a	
32	Venezuela, Bolivarian Rep. (2012)	16.69	49.24	0.64	●	n/a	Cameroon	n/a	n/a	n/a	
33	Panama (2012)	16.59	48.94	0.63		n/a	China	n/a	n/a	n/a	
34	Greece	16.50	48.67	0.62		n/a	Côte d'Ivoire	n/a	n/a	n/a	
35	Argentina	16.44	48.52	0.61		n/a	Ghana	n/a	n/a	n/a	
36	Canada (2015)	16.31	48.13	0.60		n/a	Guinea	n/a	n/a	n/a	
37	Austria	15.81	46.66	0.59		n/a	Honduras	n/a	n/a	n/a	
38	Chile	15.48	45.68	0.57		n/a	India	n/a	n/a	n/a	
39	Croatia	15.04	44.37	0.56		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
40	Portugal	14.90	43.95	0.55		n/a	Jamaica	n/a	n/a	n/a	
41	Hungary	14.89	43.92	0.54		n/a	Jordan	n/a	n/a	n/a	
42	Georgia	14.82	43.73	0.53		n/a	Kenya	n/a	n/a	n/a	
43	Moldova, Rep. (2013)	13.95	41.13	0.52		n/a	Korea, Rep.	n/a	n/a	n/a	
44	Peru (2013)	13.89	40.98	0.51		n/a	Kuwait	n/a	n/a	n/a	
45	Uruguay	13.70	40.41	0.49		n/a	Lebanon	n/a	n/a	n/a	
46	Colombia (2013)	13.16	38.81	0.48		n/a	Malawi	n/a	n/a	n/a	
47	Costa Rica (2013)	13.16	38.80	0.47		n/a	Mali	n/a	n/a	n/a	
48	Azerbaijan (2013)	12.87	37.94	0.46		n/a	Montenegro	n/a	n/a	n/a	
49	Hong Kong (China)	12.71	37.47	0.45	○	n/a	Morocco	n/a	n/a	n/a	
50	Philippines	12.71	37.46	0.44		n/a	Namibia	n/a	n/a	n/a	
51	Dominican Republic (2013)	12.52	36.93	0.43		n/a	Nepal	n/a	n/a	n/a	
52	Paraguay (2013)	12.43	36.66	0.41		n/a	Nicaragua	n/a	n/a	n/a	
53	Germany	12.42	36.61	0.40	○	n/a	Niger	n/a	n/a	n/a	
54	Serbia (2013)	12.22	36.02	0.39		n/a	Nigeria	n/a	n/a	n/a	
55	Slovakia	12.00	35.37	0.38		n/a	Oman	n/a	n/a	n/a	
56	Malta	11.96	35.25	0.37		n/a	Pakistan	n/a	n/a	n/a	
57	TFYR of Macedonia	11.87	35.00	0.36		n/a	Rwanda	n/a	n/a	n/a	
58	Malaysia	11.42	33.66	0.34		n/a	Tajikistan	n/a	n/a	n/a	
59	Czech Republic	11.11	32.75	0.33	○	n/a	Togo	n/a	n/a	n/a	
60	Italy	11.05	32.57	0.32	○	n/a	Tunisia	n/a	n/a	n/a	
61	Kyrgyzstan (2013)	10.81	31.85	0.31		n/a	United Arab Emirates	n/a	n/a	n/a	
62	South Africa	10.16	29.93	0.30		n/a	United States of America	n/a	n/a	n/a	
63	Ecuador	9.96	29.34	0.29		n/a	Yemen	n/a	n/a	n/a	
64	Romania	9.59	28.25	0.28		n/a	Zambia	n/a	n/a	n/a	

SOURCE: International Labour Organization (ILO), ILOSTAT Annual Indicators (2006–2014) 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 people collaborate and share ideas in between companies and universities/research institutions? [1 = not at all; 7 = to a great extent] | 2015

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	●	65	Russian Federation.....	3.63	43.87	0.48	
2	United States of America.....	5.85	80.83	0.99	●	66	Guatemala.....	3.62	43.63	0.47	
3	Switzerland.....	5.79	79.83	0.98	●	67	Oman.....	3.62	43.58	0.46	
4	United Kingdom.....	5.67	77.76	0.98	●	68	Uruguay.....	3.59	43.21	0.45	
5	Singapore.....	5.58	76.29	0.97		69	Romania.....	3.59	43.16	0.44	
6	Belgium.....	5.58	76.29	0.96	●	70	Bolivia, Plurinational St.....	3.54	42.28	0.43	
7	Israel.....	5.50	75.08	0.95	●	71	Poland.....	3.50	41.73	0.43	
8	Qatar.....	5.44	73.96	0.94	●	72	Ukraine.....	3.50	41.71	0.42	
9	Netherlands.....	5.38	72.99	0.93		73	Zambia.....	3.48	41.36	0.41	
10	Germany.....	5.34	72.25	0.93		74	Ghana.....	3.46	40.96	0.40	
11	Sweden.....	5.33	72.12	0.92		75	Ethiopia.....	3.46	40.96	0.39	
12	Malaysia.....	5.33	72.10	0.91	●	76	Namibia.....	3.46	40.95	0.39	
13	Ireland.....	5.24	70.71	0.90		77	Croatia.....	3.39	39.86	0.38	
14	Norway.....	5.02	66.98	0.89		78	Cameroon.....	3.37	39.56	0.37	
15	Japan.....	5.00	66.74	0.89		79	Tanzania, United Rep.....	3.37	39.47	0.36	
16	New Zealand.....	4.91	65.10	0.88		80	Slovakia.....	3.36	39.31	0.35	
17	Luxembourg.....	4.90	65.05	0.87		81	Côte d'Ivoire.....	3.34	38.99	0.34	
18	Canada.....	4.90	65.01	0.86		82	Kazakhstan.....	3.29	38.24	0.34	
19	Denmark.....	4.90	64.96	0.85		83	Mozambique.....	3.28	38.04	0.33	
20	Australia.....	4.84	64.06	0.84		84	Bahrain.....	3.27	37.90	0.32	
21	United Arab Emirates.....	4.72	62.07	0.84		85	Tajikistan.....	3.27	37.89	0.31	
22	Portugal.....	4.68	61.38	0.83		86	Viet Nam.....	3.27	37.84	0.30	
23	Austria.....	4.68	61.30	0.82		87	Madagascar.....	3.26	37.62	0.30	
24	Iceland.....	4.62	60.32	0.81		88	Dominican Republic.....	3.25	37.57	0.29	
25	Korea, Rep.....	4.62	60.27	0.80		89	Serbia.....	3.24	37.35	0.28	
26	Lithuania.....	4.61	60.11	0.80		90	Morocco.....	3.23	37.21	0.27	
27	Hong Kong (China).....	4.59	59.78	0.79		91	Pakistan.....	3.21	36.87	0.26	
28	France.....	4.58	59.72	0.78		92	Mali.....	3.20	36.66	0.25	
29	Indonesia.....	4.55	59.12	0.77	●	93	Mauritius.....	3.19	36.49	0.25	
30	South Africa.....	4.49	58.11	0.76		94	Iran, Islamic Rep.....	3.18	36.35	0.24	
31	China.....	4.40	56.69	0.75		95	Azerbaijan.....	3.16	35.95	0.23	
32	Costa Rica.....	4.36	55.96	0.75		96	Botswana.....	3.14	35.74	0.22	
33	Estonia.....	4.36	55.92	0.74		97	Venezuela, Bolivarian Rep.....	3.13	35.45	0.21	
34	Bosnia and Herzegovina.....	4.32	55.29	0.73	●	98	Kuwait.....	3.10	35.06	0.20	
35	Hungary.....	4.27	54.56	0.72		99	Peru.....	3.10	34.97	0.20	
36	Kenya.....	4.22	53.62	0.71		100	Sri Lanka.....	3.08	34.61	0.19	
37	Saudi Arabia.....	4.20	53.33	0.70		101	Greece.....	3.06	34.35	0.18	○
38	Chile.....	4.20	53.32	0.70		102	Armenia.....	3.05	34.20	0.17	
39	Cyprus.....	4.19	53.18	0.69		103	Bulgaria.....	3.00	33.33	0.16	○
40	Panama.....	4.04	50.63	0.68		104	Mongolia.....	2.99	33.10	0.16	
41	Czech Republic.....	4.00	50.00	0.67		105	Cambodia.....	2.98	32.95	0.15	
42	Mexico.....	3.97	49.52	0.66		106	Nicaragua.....	2.95	32.55	0.14	
43	Slovenia.....	3.96	49.26	0.66		107	Tunisia.....	2.92	32.01	0.13	○
44	Thailand.....	3.95	49.23	0.65		108	Lebanon.....	2.88	31.39	0.12	○
45	Montenegro.....	3.95	49.13	0.64		109	Malawi.....	2.84	30.66	0.11	
46	Ecuador.....	3.94	49.05	0.63	●	110	Burundi.....	2.78	29.75	0.11	
47	Honduras.....	3.94	49.05	0.62	●	111	Nigeria.....	2.75	29.20	0.10	
48	Colombia.....	3.93	48.77	0.61		112	Moldova, Rep.....	2.74	28.99	0.09	○
49	India.....	3.87	47.85	0.61		113	Paraguay.....	2.70	28.29	0.08	
50	Malta.....	3.86	47.59	0.60		114	Bhutan.....	2.68	28.08	0.07	
51	Jordan.....	3.82	47.07	0.59		115	Benin.....	2.68	27.94	0.07	
52	El Salvador.....	3.81	46.84	0.58		116	Nepal.....	2.64	27.34	0.06	○
53	Brazil.....	3.80	46.65	0.57		117	Georgia.....	2.64	27.28	0.05	○
54	Philippines.....	3.79	46.57	0.57		118	Kyrgyzstan.....	2.57	26.19	0.04	○
55	Jamaica.....	3.79	46.56	0.56		119	Bangladesh.....	2.56	25.96	0.03	○
56	Spain.....	3.77	46.19	0.55		120	Egypt.....	2.43	23.78	0.02	○
57	Italy.....	3.73	45.47	0.54		121	Albania.....	2.34	22.32	0.02	○
58	TFYR of Macedonia.....	3.71	45.18	0.53		122	Algeria.....	2.26	21.07	0.01	○
59	Turkey.....	3.69	44.78	0.52		123	Guinea.....	2.18	19.72	0.00	○
60	Uganda.....	3.68	44.69	0.52		n/a	Belarus.....	n/a	n/a	n/a	
61	Latvia.....	3.67	44.55	0.51		n/a	Burkina Faso.....	n/a	n/a	n/a	
62	Rwanda.....	3.65	44.20	0.50		n/a	Niger.....	n/a	n/a	n/a	
63	Senegal.....	3.64	43.96	0.49		n/a	Togo.....	n/a	n/a	n/a	
64	Argentina.....	3.64	43.92	0.48		n/a	Yemen.....	n/a	n/a	n/a	

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 = nonexistent; 7 = widespread in many fields] | 2015

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	United Arab Emirates	5.49	74.83	1.00	●	65	Lebanon	3.68	44.66	0.48	
2	United States of America	5.49	74.78	0.99	●	66	El Salvador	3.67	44.47	0.47	
3	Germany	5.46	74.40	0.98	●	67	Chile	3.66	44.38	0.46	
4	Italy	5.46	74.27	0.98	●	68	TFYR of Macedonia	3.66	44.27	0.45	
5	Malaysia	5.32	72.02	0.97	●	69	Romania	3.65	44.14	0.44	
6	Switzerland	5.30	71.70	0.96		70	Hungary	3.63	43.79	0.43	
7	United Kingdom	5.30	71.69	0.95		71	Ghana	3.62	43.68	0.43	
8	Qatar	5.28	71.41	0.94	●	72	Senegal	3.60	43.39	0.42	
9	Japan	5.28	71.26	0.93		73	Latvia	3.60	43.25	0.41	
10	Netherlands	5.22	70.28	0.93		74	Oman	3.59	43.14	0.40	
11	Norway	5.21	70.13	0.92		75	Poland	3.58	43.02	0.39	
12	Singapore	5.13	68.81	0.91		76	Iran, Islamic Rep.	3.56	42.69	0.39	
13	Luxembourg	5.07	67.76	0.90		77	Dominican Republic	3.54	42.33	0.38	
14	Hong Kong (China)	5.04	67.28	0.89		78	Nigeria	3.52	42.06	0.37	
15	Austria	4.93	65.42	0.89		79	Bhutan	3.52	41.97	0.36	
16	Finland	4.91	65.10	0.88		80	Lithuania	3.52	41.93	0.35	
17	Ireland	4.89	64.81	0.87		81	Uganda	3.49	41.52	0.34	
18	Sweden	4.82	63.74	0.86		82	Tanzania, United Rep.	3.46	40.98	0.34	
19	Canada	4.80	63.27	0.85		83	Mozambique	3.46	40.97	0.33	
20	Saudi Arabia	4.60	60.03	0.84	●	84	Jamaica	3.46	40.95	0.32	
21	Belgium	4.58	59.63	0.84		85	Slovenia	3.46	40.94	0.31	○
22	Korea, Rep.	4.53	58.77	0.83		86	Morocco	3.43	40.45	0.30	
23	China	4.53	58.77	0.82		87	Benin	3.42	40.36	0.30	
24	Denmark	4.46	57.74	0.81		88	Azerbaijan	3.40	40.08	0.29	
25	France	4.46	57.65	0.80		89	Ecuador	3.40	40.06	0.28	
26	Bahrain	4.45	57.51	0.80		90	Cameroon	3.34	38.94	0.27	
27	Indonesia	4.37	56.15	0.79	●	91	Tunisia	3.33	38.77	0.26	
28	India	4.36	55.97	0.78		92	Uruguay	3.31	38.56	0.25	
29	Israel	4.34	55.72	0.77		93	Botswana	3.31	38.55	0.25	
30	Jordan	4.27	54.55	0.76	●	94	Ethiopia	3.29	38.18	0.24	
31	Egypt	4.27	54.48	0.75	●	95	Peru	3.19	36.50	0.23	
32	South Africa	4.21	53.58	0.75		96	Armenia	3.17	36.18	0.22	
33	Mexico	4.19	53.24	0.74		97	Nepal	3.17	36.15	0.21	
34	Portugal	4.16	52.64	0.73		98	Malawi	3.16	36.05	0.20	
35	Brazil	4.15	52.52	0.72		99	Algeria	3.16	36.05	0.20	
36	Kenya	4.08	51.29	0.71		100	Bulgaria	3.16	35.98	0.19	○
37	Zambia	4.07	51.22	0.70	●	101	Russian Federation	3.13	35.56	0.18	○
38	Thailand	4.07	51.16	0.70		102	Bolivia, Plurinational St.	3.13	35.44	0.17	
39	Australia	4.06	51.04	0.69		103	Serbia	3.12	35.39	0.16	○
40	Panama	4.04	50.61	0.68		104	Nicaragua	3.11	35.24	0.16	
41	Costa Rica	4.02	50.41	0.67		105	Kazakhstan	3.11	35.22	0.15	
42	Rwanda	4.01	50.11	0.66	●	106	Argentina	3.08	34.60	0.14	
43	Mauritius	4.01	50.10	0.66		107	Croatia	3.05	34.15	0.13	○
44	Philippines	3.98	49.64	0.65		108	Guinea	3.02	33.75	0.12	
45	New Zealand	3.98	49.59	0.64		109	Georgia	3.02	33.67	0.11	○
46	Iceland	3.97	49.57	0.63		110	Tajikistan	2.99	33.22	0.11	
47	Honduras	3.97	49.51	0.62	●	111	Bosnia and Herzegovina	2.96	32.67	0.10	○
48	Malta	3.96	49.33	0.61		112	Madagascar	2.95	32.57	0.09	
49	Spain	3.92	48.72	0.61		113	Ukraine	2.95	32.50	0.08	○
50	Turkey	3.91	48.58	0.60		114	Greece	2.95	32.47	0.07	○
51	Cyprus	3.89	48.19	0.59		115	Montenegro	2.94	32.36	0.07	○
52	Czech Republic	3.88	48.05	0.58		116	Kyrgyzstan	2.87	31.24	0.06	
53	Slovakia	3.88	48.00	0.57		117	Côte d'Ivoire	2.87	31.22	0.05	○
54	Namibia	3.87	47.90	0.57		118	Mongolia	2.86	30.98	0.04	○
55	Guatemala	3.83	47.21	0.56		119	Albania	2.85	30.87	0.03	○
56	Viet Nam	3.82	47.00	0.55		120	Paraguay	2.78	29.63	0.02	○
57	Kuwait	3.78	46.26	0.54		121	Burundi	2.73	28.88	0.02	
58	Bangladesh	3.76	45.98	0.53	●	122	Venezuela, Bolivarian Rep.	2.33	22.13	0.01	○
59	Estonia	3.76	45.93	0.52		123	Moldova, Rep.	2.32	22.05	0.00	○
60	Sri Lanka	3.75	45.90	0.52		n/a	Belarus	n/a	n/a	n/a	
61	Cambodia	3.74	45.70	0.51	●	n/a	Burkina Faso	n/a	n/a	n/a	
62	Colombia	3.70	44.94	0.50		n/a	Niger	n/a	n/a	n/a	
63	Mali	3.69	44.75	0.49		n/a	Togo	n/a	n/a	n/a	
64	Pakistan	3.68	44.68	0.48		n/a	Yemen	n/a	n/a	n/a	

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) | 2014

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	●	65	Germany (2013)	5.15	6.60	0.35	○
2	Burkina Faso (2009)	59.61	76.28	0.99	●	66	Armenia	5.11	6.54	0.34	
3	Uganda (2010)	57.30	73.34	0.98	●	67	Sri Lanka (2013)	5.03	6.43	0.33	
4	Guatemala (2012)	49.01	62.72	0.97	●	68	Malaysia (2012)	4.59	5.88	0.32	○
5	Israel (2013)	48.83	62.50	0.96	●	69	Ecuador (2011)	4.46	5.71	0.31	
6	Bulgaria (2013)	48.27	61.78	0.95	●	70	United States of America (2013)	4.45	5.70	0.30	○
7	Kenya (2010)	47.14	60.33	0.94	●	71	Tunisia (2012)	4.40	5.63	0.29	
8	Latvia	44.23	56.60	0.93	●	72	Viet Nam (2011)	3.99	5.11	0.28	
9	Tanzania, United Rep. (2010)	42.00	53.76	0.92	●	73	Colombia	3.18	4.07	0.27	
10	Senegal (2010)	40.53	51.87	0.91	●	74	Mongolia	2.85	3.64	0.26	
11	Burundi (2008)	39.92	51.08	0.90	●	75	Thailand (2011)	2.50	3.20	0.24	
12	Lithuania	34.25	43.84	0.89	●	76	Russian Federation	2.48	3.17	0.23	○
13	Luxembourg (2013)	32.34	41.39	0.88		77	Qatar (2012)	2.42	3.10	0.22	
14	Ghana (2010)	31.22	39.95	0.87	●	78	Ethiopia (2013)	2.15	2.75	0.21	
15	Czech Republic (2013)	27.15	34.75	0.86	●	79	Bolivia, Plurinational St. (2009)	1.86	2.38	0.20	
16	Slovakia	23.68	30.30	0.85	●	80	Philippines (2013)	1.84	2.35	0.19	
17	Montenegro (2013)	22.52	28.82	0.84	●	81	Morocco (2010)	1.71	2.19	0.18	○
18	Malta	21.49	27.50	0.83		82	Zambia (2008)	1.62	2.07	0.17	
19	Panama (2011)	20.73	26.53	0.82	●	83	Australia (2008)	1.61	2.06	0.16	○
20	Iceland (2013)	20.07	25.69	0.81		84	Namibia (2010)	1.54	1.97	0.15	
21	Ukraine	19.80	25.33	0.80	●	85	Pakistan (2013)	1.31	1.67	0.14	
22	Cyprus (2013)	19.58	25.05	0.79		86	Kuwait (2009)	1.18	1.50	0.13	
23	Ireland	19.27	24.66	0.78		87	Turkey	1.08	1.38	0.12	○
24	United Kingdom	18.89	24.18	0.77		88	Nigeria (2007)	1.04	1.32	0.11	
25	Hungary	17.54	22.45	0.76		89	Kyrgyzstan	0.95	1.22	0.10	
26	Finland	17.32	22.17	0.74		90	China	0.83	1.06	0.09	○
27	Romania	17.00	21.75	0.73	●	91	Kazakhstan (2013)	0.76	0.97	0.08	○
28	El Salvador (2013)	16.38	20.96	0.72	●	92	Korea, Rep.	0.71	0.90	0.07	○
29	Austria (2015)	15.13	19.37	0.71		93	Argentina (2008)	0.60	0.76	0.06	○
30	Georgia	14.27	18.26	0.70		94	Mexico	0.45	0.58	0.05	○
31	Chile	13.77	17.62	0.69		95	Japan	0.44	0.57	0.04	○
32	Poland	13.36	17.10	0.68		96	Tajikistan (2013)	0.21	0.27	0.03	○
33	Greece	13.28	17.00	0.67		97	Azerbaijan	0.16	0.21	0.02	○
34	Belgium (2013)	13.13	16.80	0.66		98	Egypt	0.12	0.15	0.01	○
35	South Africa (2012)	13.06	16.71	0.65		99	Oman (2013)	0.00	0.00	0.00	○
36	Croatia	12.84	16.43	0.64		n/a	Algeria	n/a	n/a	n/a	
37	Moldova, Rep.	12.79	16.37	0.63		n/a	Bahrain	n/a	n/a	n/a	
38	Netherlands	12.49	15.98	0.62	○	n/a	Bangladesh	n/a	n/a	n/a	
39	Serbia	12.45	15.93	0.61		n/a	Benin	n/a	n/a	n/a	
40	Estonia	12.45	15.93	0.60		n/a	Bhutan	n/a	n/a	n/a	
41	Switzerland (2012)	12.07	15.45	0.59		n/a	Brazil	n/a	n/a	n/a	
42	Togo (2012)	12.06	15.43	0.58	●	n/a	Cambodia	n/a	n/a	n/a	
43	Bosnia and Herzegovina	12.05	15.43	0.57		n/a	Cameroon	n/a	n/a	n/a	
44	Madagascar (2009)	10.58	13.54	0.56	●	n/a	Côte d'Ivoire	n/a	n/a	n/a	
45	Italy (2013)	9.65	12.35	0.55		n/a	Dominican Republic	n/a	n/a	n/a	
46	Norway (2013)	9.47	12.12	0.54		n/a	Guinea	n/a	n/a	n/a	
47	Slovenia	9.26	11.86	0.53		n/a	Honduras	n/a	n/a	n/a	
48	Mali (2010)	8.81	11.27	0.52	●	n/a	India	n/a	n/a	n/a	
49	France (2013)	8.02	10.26	0.51	○	n/a	Indonesia	n/a	n/a	n/a	
50	Belarus (2013)	7.95	10.17	0.50		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
51	Paraguay (2012)	7.71	9.87	0.49		n/a	Jamaica	n/a	n/a	n/a	
52	Denmark	7.40	9.47	0.48	○	n/a	Jordan	n/a	n/a	n/a	
53	Albania (2008)	7.37	9.43	0.47		n/a	Lebanon	n/a	n/a	n/a	
54	Spain (2013)	7.36	9.42	0.46	○	n/a	Malawi	n/a	n/a	n/a	
55	Costa Rica (2013)	7.32	9.36	0.45		n/a	Nepal	n/a	n/a	n/a	
56	New Zealand (2013)	7.23	9.25	0.44	○	n/a	Nicaragua	n/a	n/a	n/a	
57	Botswana (2012)	6.81	8.72	0.43		n/a	Niger	n/a	n/a	n/a	
58	Hong Kong (China) (2013)	6.79	8.69	0.42	○	n/a	Peru	n/a	n/a	n/a	
59	Sweden (2013)	6.71	8.59	0.41	○	n/a	Rwanda	n/a	n/a	n/a	
60	Mauritius (2012)	6.43	8.23	0.40		n/a	Saudi Arabia	n/a	n/a	n/a	
61	Portugal (2013)	6.12	7.83	0.39	○	n/a	TFYR of Macedonia	n/a	n/a	n/a	
62	Canada	6.01	7.70	0.38	○	n/a	United Arab Emirates	n/a	n/a	n/a	
63	Singapore (2013)	5.84	7.47	0.37	○	n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
64	Uruguay (2013)	5.38	6.88	0.36		n/a	Yemen	n/a	n/a	n/a	

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 billion PPP\$ GDP) | 2015

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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)	0.09	100.00	0.99	●	65	Czech Republic	0.00	2.30	0.14	○
1	Luxembourg	0.07	100.00	0.99	●	66	Brazil	0.00	2.15	0.12	○
3	Bahrain	0.06	76.28	0.97	●	67	Venezuela, Bolivarian Rep.	0.00	1.87	0.11	○
4	Australia	0.06	74.37	0.96	●	68	Romania	0.00	1.49	0.09	○
5	Cyprus	0.05	72.47	0.95	●	69	Bangladesh	0.00	1.12	0.08	○
6	Singapore	0.05	68.19	0.93		70	Argentina	0.00	0.99	0.07	○
7	Canada	0.05	64.95	0.92		71	Morocco	0.00	0.64	0.05	○
8	Qatar	0.04	54.31	0.91	●	72	Pakistan	0.00	0.35	0.04	○
9	United Arab Emirates	0.04	51.17	0.89		73	Colombia	0.00	0.20	0.03	○
10	Oman	0.04	51.15	0.88	●	74	Ukraine	0.00	0.15	0.01	○
11	United Kingdom	0.03	40.21	0.86		75	Nigeria	0.00	0.00	0.00	○
12	Malaysia	0.03	37.80	0.85		n/a	Albania	n/a	n/a	n/a	
13	Switzerland	0.03	34.42	0.84		n/a	Algeria	n/a	n/a	n/a	
14	Norway	0.02	29.49	0.82		n/a	Armenia	n/a	n/a	n/a	
15	Kuwait	0.02	28.86	0.81	●	n/a	Benin	n/a	n/a	n/a	
16	Chile	0.02	28.55	0.80		n/a	Bhutan	n/a	n/a	n/a	
17	United States of America	0.02	27.58	0.78		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
18	New Zealand	0.02	27.29	0.77		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
19	Mauritius	0.02	26.34	0.76	●	n/a	Botswana	n/a	n/a	n/a	
20	Ireland	0.02	25.76	0.74		n/a	Bulgaria	n/a	n/a	n/a	
21	Sweden	0.02	25.74	0.73		n/a	Burkina Faso	n/a	n/a	n/a	
22	Israel	0.02	25.13	0.72		n/a	Burundi	n/a	n/a	n/a	
23	Finland	0.02	24.80	0.70		n/a	Cameroon	n/a	n/a	n/a	
24	Cambodia	0.02	23.66	0.69	●	n/a	Costa Rica	n/a	n/a	n/a	
25	Denmark	0.02	19.64	0.68		n/a	Côte d'Ivoire	n/a	n/a	n/a	
26	Saudi Arabia	0.02	18.97	0.66		n/a	Croatia	n/a	n/a	n/a	
27	Egypt	0.02	18.96	0.65	●	n/a	Dominican Republic	n/a	n/a	n/a	
28	Netherlands	0.01	17.95	0.64	○	n/a	El Salvador	n/a	n/a	n/a	
29	Thailand	0.01	17.49	0.62		n/a	Estonia	n/a	n/a	n/a	
30	Korea, Rep.	0.01	17.20	0.61		n/a	Ethiopia	n/a	n/a	n/a	
31	Kazakhstan	0.01	16.87	0.59		n/a	Georgia	n/a	n/a	n/a	
32	Japan	0.01	16.63	0.58		n/a	Guatemala	n/a	n/a	n/a	
33	Sri Lanka	0.01	15.80	0.57		n/a	Guinea	n/a	n/a	n/a	
34	Lithuania	0.01	14.96	0.55		n/a	Honduras	n/a	n/a	n/a	
35	Philippines	0.01	14.90	0.54		n/a	Iceland	n/a	n/a	n/a	
36	Jordan	0.01	14.79	0.53		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
37	India	0.01	14.70	0.51		n/a	Jamaica	n/a	n/a	n/a	
38	Lebanon	0.01	14.62	0.50		n/a	Kenya	n/a	n/a	n/a	
39	France	0.01	14.37	0.49	○	n/a	Kyrgyzstan	n/a	n/a	n/a	
40	Belgium	0.01	13.74	0.47	○	n/a	Latvia	n/a	n/a	n/a	
41	Greece	0.01	12.86	0.46		n/a	Madagascar	n/a	n/a	n/a	
42	Viet Nam	0.01	12.76	0.45		n/a	Malawi	n/a	n/a	n/a	
43	Serbia	0.01	12.34	0.43		n/a	Mali	n/a	n/a	n/a	
44	South Africa	0.01	11.82	0.42		n/a	Malta	n/a	n/a	n/a	
45	Italy	0.01	11.38	0.41	○	n/a	Moldova, Rep.	n/a	n/a	n/a	
46	Spain	0.01	11.23	0.39	○	n/a	Mongolia	n/a	n/a	n/a	
47	Germany	0.01	11.14	0.38	○	n/a	Montenegro	n/a	n/a	n/a	
48	Ghana	0.01	10.33	0.36		n/a	Mozambique	n/a	n/a	n/a	
49	China	0.01	10.19	0.35		n/a	Namibia	n/a	n/a	n/a	
50	Austria	0.01	7.83	0.34	○	n/a	Nepal	n/a	n/a	n/a	
51	Russian Federation	0.01	7.38	0.32		n/a	Nicaragua	n/a	n/a	n/a	
52	Panama	0.01	6.54	0.31		n/a	Niger	n/a	n/a	n/a	
53	Belarus	0.01	6.34	0.30		n/a	Paraguay	n/a	n/a	n/a	
54	Hungary	0.01	6.20	0.28	○	n/a	Rwanda	n/a	n/a	n/a	
55	Azerbaijan	0.01	6.06	0.27		n/a	Senegal	n/a	n/a	n/a	
56	Turkey	0.01	5.58	0.26		n/a	Slovakia	n/a	n/a	n/a	
57	Portugal	0.01	5.31	0.24	○	n/a	Slovenia	n/a	n/a	n/a	
58	Zambia	0.01	5.26	0.23		n/a	Tajikistan	n/a	n/a	n/a	
59	Ecuador	0.00	4.46	0.22		n/a	TFYR of Macedonia	n/a	n/a	n/a	
60	Mexico	0.00	4.25	0.20	○	n/a	Togo	n/a	n/a	n/a	
61	Peru	0.00	3.51	0.19	○	n/a	Tunisia	n/a	n/a	n/a	
62	Poland	0.00	3.18	0.18	○	n/a	Uganda	n/a	n/a	n/a	
63	Tanzania, United Rep.	0.00	3.12	0.16		n/a	Uruguay	n/a	n/a	n/a	
64	Indonesia	0.00	2.91	0.15		n/a	Yemen	n/a	n/a	n/a	

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 two offices

Number of patent families filed by residents in at least two offices (per billion PPP\$ GDP) | 2012

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Japan	15.39	100.00	1.00	●	65	Argentina	0.07	2.27	0.43	
2	Korea, Rep.	13.70	96.03	0.99	●	66	Mexico	0.07	2.27	0.42	
3	Finland	8.38	79.68	0.98	●	67	Jordan	0.07	2.20	0.42	
4	Sweden	7.74	77.11	0.97	●	68	United Arab Emirates	0.07	2.11	0.41	
5	Switzerland	6.90	73.46	0.96		69	Colombia	0.07	2.09	0.40	
6	Luxembourg	6.24	70.30	0.96		70	Georgia	0.07	2.09	0.39	
7	Germany	5.87	68.41	0.95		71	Niger	0.06	2.06	0.38	
8	Israel	5.28	65.16	0.94		72	Kyrgyzstan	0.06	1.97	0.37	
9	Austria	4.28	58.89	0.93	●	73	Honduras (2011)	0.06	1.89	0.36	
10	Denmark	4.27	58.78	0.92		74	Lebanon	0.05	1.70	0.35	
11	France	3.52	53.25	0.91		75	Bolivia, Plurinational St.	0.05	1.58	0.35	
12	Netherlands	3.43	52.51	0.90		76	Ecuador	0.05	1.58	0.34	
13	United States of America	2.75	46.51	0.89		77	Namibia	0.05	1.54	0.33	
14	Malta	2.48	43.86	0.88		78	Azerbaijan	0.05	1.51	0.32	
15	New Zealand	2.42	43.25	0.88		79	Uruguay	0.05	1.50	0.31	
16	United Kingdom	2.22	41.05	0.87		80	Kenya	0.04	1.37	0.30	
17	Belgium	2.12	39.98	0.86		81	Mongolia (2011)	0.04	1.29	0.29	
18	Canada	2.11	39.83	0.85		82	Bahrain (2011)	0.04	1.22	0.28	
19	Iceland	1.91	37.40	0.84		83	Mozambique	0.04	1.21	0.27	
20	Singapore	1.78	35.81	0.83		84	Nicaragua	0.04	1.20	0.27	
21	Slovenia	1.69	34.70	0.82		85	Thailand	0.04	1.17	0.26	
22	Ireland	1.69	34.68	0.81		86	Albania (2011)	0.03	1.10	0.25	
23	Italy	1.68	34.47	0.81		87	Madagascar (2010)	0.03	1.09	0.24	
24	Norway	1.62	33.64	0.80		88	Bosnia and Herzegovina	0.03	0.87	0.23	
25	Australia	1.03	24.60	0.79		89	Uganda (2007)	0.02	0.69	0.22	
26	China	0.94	23.08	0.78		90	Viet Nam	0.02	0.68	0.21	
27	Hong Kong (China)	0.83	20.94	0.77		91	Philippines	0.02	0.67	0.20	
28	Cyprus	0.73	18.97	0.76		92	Sri Lanka	0.02	0.66	0.19	
29	Spain	0.69	18.14	0.75		93	El Salvador (2011)	0.02	0.66	0.19	
30	Czech Republic	0.68	18.03	0.74		94	Cameroon (2007)	0.02	0.66	0.18	
31	Hungary	0.55	15.02	0.73		95	Paraguay (2011)	0.02	0.64	0.17	
32	Poland	0.48	13.57	0.73		96	Zambia	0.02	0.56	0.16	
33	Estonia	0.47	13.26	0.72		97	Dominican Republic	0.02	0.49	0.15	
34	Portugal	0.39	11.32	0.71		98	Peru	0.02	0.43	0.14	○
35	South Africa	0.39	11.31	0.70		99	Kuwait	0.01	0.42	0.13	
36	Lithuania	0.37	10.83	0.69		100	Egypt	0.01	0.39	0.12	
37	India	0.35	10.32	0.68		101	Venezuela, Bolivarian Rep.	0.01	0.36	0.12	
38	Greece	0.35	10.31	0.67		102	Morocco	0.01	0.36	0.11	○
39	Turkey	0.34	10.02	0.66		103	Tanzania, United Rep. (2009)	0.01	0.32	0.10	
40	Belarus	0.34	9.97	0.65		104	Ghana (2011)	0.01	0.32	0.09	
41	Armenia	0.32	9.45	0.65		105	Yemen (2009)	0.01	0.28	0.08	
42	Slovakia	0.30	9.01	0.64		106	Guatemala	0.01	0.24	0.07	
43	Ukraine	0.29	8.71	0.63		107	Tunisia	0.01	0.22	0.06	○
44	Bulgaria	0.29	8.66	0.62		108	Oman	0.01	0.15	0.05	○
45	Latvia	0.27	8.27	0.61		109	Bangladesh	0.01	0.14	0.04	○
46	Moldova, Rep.	0.27	8.06	0.60		110	Algeria	0.01	0.13	0.04	
47	Montenegro	0.23	7.06	0.59		111	Pakistan	0.01	0.09	0.03	○
48	Malaysia	0.23	7.05	0.58		112	Indonesia	0.00	0.01	0.02	○
49	Chile	0.21	6.37	0.58		113	Iran, Islamic Rep.	0.00	0.00	0.01	○
50	Croatia	0.20	6.06	0.57		114	Nigeria (2011)	0.00	0.00	0.00	○
51	Mauritius	0.19	5.85	0.56		n/a	Benin	n/a	n/a	n/a	
52	Russian Federation	0.18	5.51	0.55		n/a	Bhutan	n/a	n/a	n/a	
53	Burundi (2009)	0.16	5.06	0.54	●	n/a	Botswana	n/a	n/a	n/a	
54	Qatar	0.12	3.73	0.53		n/a	Burkina Faso	n/a	n/a	n/a	
55	Romania	0.11	3.64	0.52		n/a	Cambodia	n/a	n/a	n/a	
56	Kazakhstan	0.11	3.47	0.51		n/a	Côte d'Ivoire	n/a	n/a	n/a	
57	Serbia	0.11	3.46	0.50		n/a	Ethiopia	n/a	n/a	n/a	
58	Brazil	0.11	3.44	0.50		n/a	Malawi	n/a	n/a	n/a	
59	Saudi Arabia	0.11	3.40	0.49		n/a	Mali	n/a	n/a	n/a	
60	Panama	0.09	2.97	0.48		n/a	Nepal	n/a	n/a	n/a	
61	Jamaica	0.09	2.76	0.47		n/a	Rwanda	n/a	n/a	n/a	
62	Guinea (2009)	0.08	2.62	0.46	●	n/a	Senegal	n/a	n/a	n/a	
63	TFYR of Macedonia (2011)	0.08	2.58	0.45		n/a	Tajikistan	n/a	n/a	n/a	
64	Costa Rica	0.08	2.49	0.44		n/a	Togo	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

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Ireland	24.74	100.00	0.98	●	65	Dominican Republic (2013)	0.40	11.47	0.43	
1	Luxembourg	3.44	100.00	0.98	●	66	Norway	0.39	11.43	0.42	○
1	Singapore	4.12	100.00	0.98	●	67	Ecuador	0.37	10.68	0.42	
4	Switzerland	3.06	89.01	0.97	●	68	Panama	0.36	10.58	0.41	
5	Malta	3.01	87.57	0.96	●	69	Hong Kong (China) (2013)	0.33	9.64	0.40	○
6	Argentina	2.38	69.15	0.96	●	70	Nigeria	0.30	8.80	0.39	
7	Japan	2.26	65.71	0.95		71	Mozambique	0.28	8.26	0.38	
8	Brazil	2.04	59.25	0.94	●	72	Turkey	0.28	8.21	0.37	
9	Finland (2013)	1.88	54.46	0.93		73	Uruguay	0.27	7.80	0.36	
10	Canada	1.78	51.82	0.92		74	Estonia	0.26	7.41	0.35	○
11	New Zealand	1.64	47.72	0.91		75	Latvia	0.24	7.10	0.35	○
12	United States of America	1.63	47.46	0.90		76	Algeria (2013)	0.24	7.06	0.34	
13	Sweden	1.61	46.65	0.89		77	Kazakhstan	0.23	6.76	0.33	
14	Russian Federation	1.59	46.15	0.88	●	78	Montenegro	0.23	6.70	0.32	
15	South Africa	1.54	44.83	0.88	●	79	Georgia	0.23	6.70	0.31	
16	Korea, Rep.	1.51	43.96	0.87		80	Mauritius	0.23	6.57	0.30	
17	Thailand	1.49	43.29	0.86	●	81	Mongolia	0.20	5.80	0.29	
18	Hungary	1.40	40.63	0.85		82	Morocco (2013)	0.19	5.46	0.28	
19	Australia	1.35	39.06	0.84		83	Uganda	0.19	5.40	0.27	
20	Iceland	1.29	37.59	0.83		84	Cambodia	0.19	5.38	0.27	
21	France	1.23	35.65	0.82		85	Benin (2013)	0.17	5.03	0.26	
22	Poland	1.16	33.56	0.81	●	86	Iran, Islamic Rep. (2013)	0.17	4.99	0.25	
23	Romania	1.07	31.06	0.81	●	87	Côte d'Ivoire (2010)	0.15	4.40	0.24	
24	Jamaica	1.06	30.77	0.80	●	88	Lebanon	0.13	3.91	0.23	
25	Croatia	1.05	30.62	0.79	●	89	Paraguay	0.13	3.88	0.22	
26	Chile (2013)	1.04	30.12	0.78		90	Botswana (2013)	0.13	3.72	0.21	
27	United Kingdom	1.04	30.10	0.77		91	Namibia	0.12	3.51	0.20	
28	Serbia	1.02	29.67	0.76	●	92	Lithuania	0.12	3.47	0.19	○
29	Guatemala	0.98	28.37	0.75	●	93	Niger (2009)	0.11	3.18	0.19	
30	China	0.97	28.14	0.74		94	Kyrgyzstan	0.11	3.11	0.18	
31	Kenya	0.97	28.08	0.73	●	95	Togo (2010)	0.11	3.09	0.17	
32	India	0.93	27.15	0.73		96	Azerbaijan (2012)	0.10	3.03	0.16	
33	Indonesia	0.92	26.78	0.72	●	97	Cameroon (2013)	0.09	2.72	0.15	
34	Italy	0.88	25.52	0.71		98	Bosnia and Herzegovina	0.08	2.39	0.14	
35	Denmark	0.86	24.87	0.70		99	Malawi	0.08	2.27	0.13	
36	Austria	0.83	24.14	0.69		100	Bhutan	0.07	2.16	0.12	
37	TFYR of Macedonia	0.83	24.12	0.68		101	Mali (2010)	0.07	1.90	0.12	
38	Ukraine	0.82	23.74	0.67		102	Guinea (2013)	0.06	1.77	0.11	
39	El Salvador	0.79	22.99	0.66	●	103	Bangladesh (2013)	0.06	1.66	0.10	
40	Belgium	0.76	21.93	0.65		104	Tunisia (2013)	0.06	1.65	0.09	○
41	Czech Republic	0.75	21.70	0.65		105	Rwanda (2012)	0.05	1.49	0.08	
42	Colombia	0.72	20.92	0.64		106	Yemen (2013)	0.04	1.24	0.07	
43	Philippines	0.70	20.38	0.63		107	Tanzania, United Rep. (2013)	0.02	0.71	0.06	
44	Slovenia	0.67	19.51	0.62		108	Ethiopia (2012)	0.02	0.71	0.05	
45	Greece	0.62	18.12	0.61		109	Senegal (2013)	0.02	0.61	0.04	○
46	Portugal	0.60	17.50	0.60		110	Zambia	0.02	0.51	0.04	○
47	Bulgaria	0.60	17.38	0.59		111	Nicaragua	0.01	0.38	0.03	○
48	Malaysia	0.59	17.26	0.58		112	Burkina Faso (2013)	0.01	0.21	0.02	○
49	Slovakia	0.58	16.73	0.58		113	Burundi (2012)	0.00	0.08	0.01	○
50	Venezuela, Bolivarian Rep.	0.55	16.06	0.57		114	Tajikistan	0.00	0.00	0.00	○
51	Cyprus	0.55	15.96	0.56		n/a	Armenia	n/a	n/a	n/a	
52	Madagascar (2013)	0.54	15.80	0.55	●	n/a	Bahrain	n/a	n/a	n/a	
53	Israel (2013)	0.54	15.74	0.54		n/a	Ghana	n/a	n/a	n/a	
54	Bolivia, Plurinational St.	0.52	15.01	0.53	●	n/a	Jordan	n/a	n/a	n/a	
55	Moldova, Rep.	0.51	14.72	0.52		n/a	Kuwait	n/a	n/a	n/a	
56	Germany	0.49	14.23	0.51		n/a	Nepal	n/a	n/a	n/a	
57	Honduras	0.48	14.03	0.50		n/a	Netherlands	n/a	n/a	n/a	
58	Belarus	0.46	13.42	0.50		n/a	Oman	n/a	n/a	n/a	
59	Mexico	0.44	12.78	0.49		n/a	Qatar	n/a	n/a	n/a	
60	Peru (2013)	0.43	12.58	0.48		n/a	Saudi Arabia	n/a	n/a	n/a	
61	Albania	0.43	12.35	0.47		n/a	Spain	n/a	n/a	n/a	
62	Costa Rica	0.42	12.33	0.46		n/a	Sri Lanka	n/a	n/a	n/a	
63	Egypt	0.41	11.85	0.45		n/a	United Arab Emirates	n/a	n/a	n/a	
64	Pakistan	0.41	11.82	0.44		n/a	Viet Nam	n/a	n/a	n/a	

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) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Costa Rica (2013)	23.74	100.00	0.99	●	65	Honduras	7.40	27.53	0.47	
1	Hong Kong (China)	43.78	100.00	0.99	●	66	India	7.06	26.00	0.46	
3	Malaysia	23.09	97.11	0.98	●	67	Egypt	6.97	25.61	0.45	
4	Singapore	20.12	83.92	0.98		68	Croatia	6.86	25.12	0.44	
5	Panama (2011)	20.10	83.84	0.97	●	69	Bulgaria	6.81	24.91	0.43	
6	Viet Nam	19.82	82.59	0.96	●	70	Bosnia and Herzegovina	6.77	24.75	0.43	
7	China	18.51	76.78	0.95		71	Kazakhstan	6.77	24.73	0.42	
8	Mexico	16.92	69.73	0.94	●	72	TFYR of Macedonia	6.71	24.48	0.41	
9	United States of America	16.37	67.30	0.93		73	Ukraine	6.69	24.39	0.40	
10	Colombia	16.17	66.40	0.93	●	74	Spain	6.60	23.96	0.39	○
11	Czech Republic	15.86	65.07	0.92	●	75	Portugal	6.56	23.79	0.38	○
12	Thailand	14.90	60.80	0.91	●	76	Denmark	6.28	22.56	0.38	○
13	Slovakia	14.80	60.34	0.90	●	77	Uganda	6.18	22.13	0.37	
14	Ethiopia	14.28	58.02	0.89	●	78	Saudi Arabia (2013)	6.04	21.51	0.36	
15	Paraguay	13.88	56.28	0.88	●	79	Namibia	6.00	21.33	0.35	
16	Japan	13.72	55.56	0.88		80	Norway	5.99	21.28	0.34	○
17	Rwanda	13.41	54.16	0.87	●	81	Côte d'Ivoire	5.95	21.09	0.33	
18	Estonia	12.85	51.69	0.86		82	Cameroon	5.94	21.05	0.33	
19	Hungary	12.80	51.48	0.85	●	83	Mozambique	5.84	20.63	0.32	
20	Korea, Rep.	12.55	50.37	0.84		84	Slovenia	5.74	20.16	0.31	○
21	Netherlands	12.46	49.95	0.83		85	Greece	5.72	20.09	0.30	
22	Brazil	12.33	49.40	0.83	●	86	Armenia	5.61	19.58	0.29	
23	United Kingdom	12.32	49.36	0.82		87	Dominican Republic	5.50	19.10	0.28	
24	Burundi	11.22	44.45	0.81	●	88	Kyrgyzstan (2013)	5.50	19.09	0.28	
25	France	11.15	44.15	0.80		89	United Arab Emirates (2008)	5.46	18.91	0.27	○
26	Germany	10.87	42.93	0.79		90	Iceland	5.32	18.29	0.26	○
27	Kenya (2013)	10.84	42.76	0.78	●	91	Belarus	5.31	18.25	0.25	
28	Argentina	10.76	42.45	0.78	●	92	Lithuania	5.29	18.18	0.24	○
29	New Zealand	10.66	41.99	0.77		93	Mali (2012)	5.12	17.41	0.23	
30	Peru	10.24	40.11	0.76	●	94	Jordan	5.12	17.41	0.23	
31	Australia	9.95	38.85	0.75		95	Mongolia	5.11	17.38	0.22	
32	Canada	9.87	38.47	0.74		96	Ghana (2013)	5.08	17.24	0.21	
33	Israel	9.85	38.39	0.73		97	Bahrain	5.01	16.92	0.20	
34	South Africa	9.72	37.80	0.73		98	Sri Lanka	4.81	16.03	0.19	
35	Poland	9.70	37.74	0.72		99	Jamaica	4.80	16.02	0.18	○
36	El Salvador	9.70	37.72	0.71	●	100	Ireland	4.72	15.64	0.18	○
37	Nepal	9.58	37.19	0.70	●	101	Senegal	4.70	15.57	0.17	
38	Malawi	9.54	37.00	0.69	●	102	Madagascar	4.66	15.37	0.16	
39	Belgium	9.49	36.80	0.68		103	Yemen	4.61	15.16	0.15	
40	Guatemala	9.49	36.77	0.68	●	104	Guinea	4.59	15.05	0.14	
41	Pakistan	9.41	36.46	0.67	●	105	Kuwait	4.47	14.53	0.13	
42	Bolivia, Plurinational St.	9.38	36.29	0.66	●	106	Benin	4.44	14.38	0.13	
43	Algeria	9.36	36.21	0.65	●	107	Cambodia (2013)	4.31	13.84	0.12	
44	Uruguay	9.28	35.84	0.64		108	Burkina Faso	4.24	13.50	0.11	
45	Latvia	9.16	35.33	0.63		109	Iran, Islamic Rep. (2011)	4.03	12.57	0.10	○
46	Bangladesh (2011)	9.04	34.82	0.63	●	110	Lebanon	3.91	12.07	0.09	○
47	Ecuador	8.98	34.52	0.62		111	Botswana	3.50	10.22	0.08	○
48	Sweden	8.95	34.42	0.61	○	112	Zambia	3.41	9.84	0.08	
49	Turkey	8.93	34.30	0.60		113	Nigeria	3.39	9.75	0.07	
50	Austria	8.78	33.64	0.59		114	Cyprus	3.32	9.45	0.06	○
51	Nicaragua	8.56	32.69	0.58	●	115	Bhutan (2012)	3.31	9.40	0.05	
52	Mauritius	8.44	32.16	0.58		116	Oman	3.14	8.64	0.04	○
53	Chile	8.29	31.47	0.57		117	Luxembourg	2.84	7.29	0.03	○
54	Russian Federation	8.27	31.37	0.56		118	Qatar	2.68	6.61	0.03	○
55	Tunisia (2013)	8.16	30.89	0.55		119	Azerbaijan	2.23	4.59	0.02	○
56	Switzerland	8.14	30.82	0.54	○	120	Togo (2013)	1.98	3.48	0.01	○
57	Malta	8.14	30.79	0.53		121	Albania	1.19	0.00	0.00	○
58	Tanzania, United Rep.	7.84	29.49	0.53	●	n/a	Montenegro	n/a	n/a	n/a	
59	Moldova, Rep.	7.83	29.41	0.52		n/a	Morocco	n/a	n/a	n/a	
60	Indonesia	7.77	29.15	0.51		n/a	Philippines	n/a	n/a	n/a	
61	Niger	7.74	29.03	0.50		n/a	Romania	n/a	n/a	n/a	
62	Georgia	7.62	28.50	0.49		n/a	Serbia	n/a	n/a	n/a	
63	Finland	7.56	28.24	0.48	○	n/a	Tajikistan	n/a	n/a	n/a	
64	Italy	7.42	27.61	0.48		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	

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	Bhutan	5.49	100.00	0.99	●	65	Bulgaria	0.88	15.82	0.48	
1	Cyprus	7.42	100.00	0.99	●	66	Australia	0.88	15.75	0.47	○
3	Niger (2013)	4.43	80.69	0.98	●	67	Chile (2013)	0.87	15.66	0.46	
4	Luxembourg	3.54	64.39	0.98	●	68	Ukraine	0.86	15.34	0.45	
5	Switzerland	3.33	60.52	0.97		69	Slovakia	0.84	14.97	0.44	
6	Sweden	3.20	58.17	0.96	●	70	India	0.83	14.92	0.43	
7	Finland (2013)	3.15	57.30	0.95		71	Bosnia and Herzegovina	0.82	14.60	0.43	
8	Mali (2013)	3.11	56.46	0.94	●	72	Philippines	0.81	14.57	0.42	
9	Madagascar (2013)	2.90	52.59	0.93	●	73	Indonesia	0.80	14.37	0.41	
10	Qatar	2.59	47.03	0.93	●	74	Colombia	0.78	13.99	0.40	
11	Burkina Faso (2013)	2.43	44.04	0.92	●	75	Côte d'Ivoire (2010)	0.78	13.91	0.39	
12	France	2.33	42.25	0.91		76	Honduras	0.77	13.82	0.39	
13	Senegal (2013)	2.29	41.61	0.90	●	77	Saudi Arabia	0.76	13.61	0.38	
14	Denmark	2.16	39.22	0.89		78	Nepal (2013)	0.75	13.49	0.37	
15	Montenegro	2.16	39.17	0.89	●	79	Malawi	0.71	12.72	0.36	
16	Estonia	2.01	36.46	0.88		80	Ireland	0.70	12.46	0.35	○
17	Moldova, Rep.	2.01	36.36	0.87	●	81	Lithuania	0.68	12.05	0.34	
18	Sri Lanka	1.97	35.70	0.86	●	82	Egypt	0.66	11.73	0.34	
19	Benin (2013)	1.95	35.30	0.85	●	83	Bolivia, Plurinational St.	0.64	11.41	0.33	
20	Iceland	1.93	35.00	0.84		84	Kyrgyzstan	0.61	10.87	0.32	
21	Austria	1.91	34.51	0.84		85	Iran, Islamic Rep. (2013)	0.60	10.66	0.31	
22	Belgium	1.87	33.85	0.83		86	Jamaica	0.59	10.45	0.30	
23	Mongolia	1.77	32.09	0.82		87	Cambodia	0.58	10.34	0.30	
24	Slovenia	1.77	32.01	0.81		88	Venezuela, Bolivarian Rep.	0.56	9.93	0.29	
25	Nigeria	1.77	32.01	0.80	●	89	Azerbaijan	0.56	9.90	0.28	
26	Serbia	1.73	31.23	0.80	●	90	Togo (2013)	0.56	9.87	0.27	
27	Lebanon	1.71	30.93	0.79	●	91	Botswana (2013)	0.56	9.85	0.26	
28	Italy	1.66	30.08	0.78		92	Georgia	0.55	9.74	0.25	
29	Ethiopia (2012)	1.65	29.80	0.77	●	93	Morocco (2013)	0.53	9.43	0.25	
30	Germany	1.58	28.65	0.76		94	Belarus	0.51	9.04	0.24	
31	Norway	1.58	28.52	0.75		95	El Salvador	0.51	8.98	0.23	
32	Romania	1.56	28.20	0.75	●	96	Costa Rica	0.51	8.94	0.22	
33	United Kingdom	1.48	26.67	0.74		97	Kazakhstan	0.47	8.32	0.21	
34	Guinea (2013)	1.45	26.23	0.73	●	98	China	0.46	8.13	0.20	
35	TFYR of Macedonia	1.41	25.40	0.72	●	99	Tanzania, United Rep. (2013)	0.46	8.03	0.20	
36	Argentina	1.38	24.92	0.71		100	Kuwait	0.45	8.02	0.19	
37	Portugal	1.37	24.76	0.70		101	Cameroon (2013)	0.45	8.02	0.18	
38	Singapore	1.37	24.65	0.70		102	Tunisia (2013)	0.45	7.93	0.17	
39	Croatia	1.36	24.51	0.69		103	Nicaragua	0.42	7.41	0.16	
40	Russian Federation	1.36	24.48	0.68		104	Guatemala	0.40	7.00	0.16	
41	Burundi (2013)	1.33	23.94	0.67	●	105	Uruguay	0.39	6.78	0.15	○
42	Albania	1.32	23.89	0.66	●	106	Zambia	0.37	6.55	0.14	
43	Brazil	1.26	22.78	0.66		107	Yemen (2013)	0.37	6.49	0.13	
44	United States of America	1.26	22.65	0.65		108	Algeria (2013)	0.35	6.11	0.12	
45	Mauritius	1.25	22.58	0.64		109	Namibia	0.35	6.09	0.11	
46	Hungary	1.25	22.52	0.63		110	Dominican Republic (2013)	0.33	5.76	0.11	○
47	Czech Republic	1.24	22.39	0.62		111	Bahrain (2013)	0.30	5.13	0.10	○
48	Malaysia	1.23	22.19	0.61		112	Korea, Rep.	0.29	5.04	0.09	○
49	Japan	1.23	22.11	0.61		113	Panama	0.27	4.71	0.08	○
50	Greece	1.22	21.92	0.60		114	Hong Kong (China) (2013)	0.27	4.66	0.07	○
51	New Zealand	1.20	21.60	0.59		115	Thailand	0.25	4.37	0.07	○
52	Israel (2013)	1.19	21.40	0.58		116	Oman	0.24	4.14	0.06	○
53	Latvia	1.17	21.02	0.57		117	Kenya	0.14	2.30	0.05	○
54	Uganda	1.16	20.91	0.57		118	Turkey	0.08	1.21	0.04	○
55	Poland	1.16	20.83	0.56		119	Bangladesh (2013)	0.07	0.98	0.03	○
56	Canada	1.07	19.29	0.55	○	120	Viet Nam	0.05	0.64	0.02	○
57	Tajikistan	1.03	18.55	0.54	●	121	Mexico	0.03	0.35	0.02	○
58	Mozambique	1.03	18.50	0.53	●	122	Ecuador	0.03	0.33	0.01	○
59	Armenia	1.02	18.39	0.52		123	Paraguay	0.02	0.00	0.00	○
60	Rwanda (2013)	1.00	18.06	0.52		n/a	Ghana	n/a	n/a	n/a	
61	Peru (2013)	0.99	17.74	0.51		n/a	Jordan	n/a	n/a	n/a	
62	Malta	0.98	17.53	0.50		n/a	Netherlands	n/a	n/a	n/a	
63	Pakistan	0.94	16.86	0.49	●	n/a	Spain	n/a	n/a	n/a	
64	South Africa	0.93	16.79	0.48		n/a	United Arab Emirates	n/a	n/a	n/a	

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

5.3.4 Foreign direct investment net inflows

Foreign direct investment (FDI), net inflows (% of GDP) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	39.87	100.00	0.97	●	65	Burkina Faso	2.73	31.60	0.50	●
1	Ireland	34.59	100.00	0.97	●	66	Bosnia and Herzegovina	2.72	31.56	0.49	
1	Malawi	16.81	100.00	0.97	●	67	United Arab Emirates	2.52	30.60	0.48	
1	Mozambique	31.36	100.00	0.97	●	68	Botswana	2.49	30.44	0.47	
1	Singapore	21.93	100.00	0.97	●	69	Spain	2.48	30.40	0.46	○
6	Panama	11.28	73.16	0.96	●	70	Belarus	2.45	30.24	0.46	
7	Luxembourg	10.92	71.42	0.95		71	Czech Republic	2.37	29.89	0.45	
8	Montenegro	10.83	70.96	0.94	●	72	Israel	2.20	29.07	0.44	
9	Cambodia	10.31	68.46	0.94	●	73	Senegal	2.19	28.99	0.43	
10	Georgia	9.97	66.77	0.93	●	74	Philippines	2.18	28.94	0.43	
11	Niger	9.41	64.09	0.92	●	75	Ethiopia	2.16	28.84	0.42	
12	Hungary	8.96	61.90	0.91	●	76	Norway	2.12	28.65	0.41	○
13	Ghana	8.71	60.67	0.91	●	77	Slovenia	2.08	28.47	0.40	
14	Albania	8.70	60.62	0.90	●	78	Tunisia	2.07	28.40	0.39	
15	Guinea	8.54	59.86	0.89	●	79	Guatemala	2.05	28.31	0.39	
16	Chile	8.53	59.77	0.88	●	80	Romania	1.94	27.79	0.38	
17	Nicaragua	7.48	54.71	0.87	●	81	El Salvador	1.89	27.53	0.37	
18	Croatia	6.89	51.84	0.87	●	82	Austria	1.88	27.48	0.36	○
19	Honduras	6.68	50.79	0.86	●	83	Mexico	1.87	27.43	0.35	
20	Togo	6.46	49.76	0.85	●	84	Paraguay	1.69	26.59	0.35	
21	Lebanon	6.46	49.73	0.84	●	85	Egypt	1.67	26.47	0.34	
22	Estonia	5.93	47.18	0.83		86	India	1.65	26.39	0.33	
23	Azerbaijan	5.89	46.98	0.83	●	87	Mali	1.65	26.39	0.32	
24	Zambia	5.57	45.42	0.82	●	88	South Africa	1.64	26.33	0.31	
25	Netherlands	5.48	45.00	0.81		89	Turkey	1.60	26.13	0.31	
26	Finland	5.44	44.79	0.80		90	Cameroon	1.56	25.96	0.30	
27	Portugal	5.39	44.56	0.80		91	Kenya	1.55	25.89	0.29	
28	Costa Rica	5.20	43.63	0.79		92	United Kingdom	1.52	25.75	0.28	○
29	Viet Nam	4.94	42.36	0.78	●	93	Bangladesh	1.44	25.38	0.28	
30	Jordan	4.91	42.23	0.77	●	94	Côte d'Ivoire	1.35	24.92	0.27	
31	Uruguay	4.88	42.07	0.76	●	95	Russian Federation	1.23	24.34	0.26	
32	Serbia	4.56	40.50	0.76		96	Sri Lanka	1.20	24.18	0.25	
33	Moldova, Rep.	4.39	39.71	0.75		97	Argentina	1.13	23.83	0.24	
34	Iceland	4.38	39.63	0.74		98	Saudi Arabia	1.07	23.58	0.24	○
35	Jamaica	4.28	39.17	0.73	●	99	Thailand	0.92	22.83	0.23	
36	Colombia	4.28	39.13	0.72		100	Oman	0.90	22.75	0.22	
37	Tanzania, United Rep.	4.25	39.03	0.72	●	101	New Zealand (2011)	0.82	22.37	0.21	○
38	Uganda	4.25	38.99	0.71	●	102	Nigeria	0.82	22.34	0.20	
39	Brazil	4.13	38.42	0.70		103	Ecuador	0.77	22.08	0.20	
40	Malta (2013)	4.08	38.20	0.69		104	United States of America	0.76	22.04	0.19	○
41	Benin	3.94	37.50	0.69	●	105	Pakistan	0.73	21.91	0.18	
42	Peru	3.89	37.27	0.68		106	Lithuania	0.73	21.89	0.17	○
43	Namibia	3.80	36.80	0.67	●	107	Greece	0.71	21.83	0.17	○
44	Dominican Republic	3.72	36.43	0.66	●	108	Algeria	0.70	21.79	0.16	
45	Cyprus	3.71	36.37	0.65		109	Korea, Rep.	0.70	21.77	0.15	○
46	Rwanda	3.70	36.32	0.65		110	Ukraine	0.64	21.49	0.14	
47	Kazakhstan	3.49	35.30	0.64		111	Italy	0.64	21.48	0.13	○
48	Bulgaria	3.48	35.24	0.63		112	Venezuela, Bolivarian Rep. (2012)	0.58	21.17	0.13	
49	Armenia	3.47	35.23	0.62		113	TFYR of Macedonia	0.54	20.98	0.12	○
50	Mauritius	3.31	34.45	0.61		114	Qatar	0.50	20.77	0.11	○
51	Madagascar	3.31	34.44	0.61	●	115	Iran, Islamic Rep.	0.50	20.77	0.10	
52	Morocco	3.26	34.18	0.60		116	Bhutan	0.43	20.44	0.09	
53	Switzerland	3.24	34.12	0.59	○	117	Kuwait	0.30	19.81	0.09	○
54	Canada	3.20	33.92	0.58		118	France	0.28	19.73	0.08	○
55	Mongolia	3.20	33.88	0.57		119	Burundi (2013)	0.25	19.60	0.07	
56	Australia	3.19	33.83	0.57		120	Bolivia, Plurinational St.	0.22	19.43	0.06	○
57	Poland	3.17	33.76	0.56		121	Germany	0.22	19.42	0.06	○
58	Malaysia	3.14	33.60	0.55		122	Japan	0.20	19.32	0.05	○
59	Indonesia	2.97	32.77	0.54		123	Slovakia	0.08	18.78	0.04	○
60	Kyrgyzstan	2.84	32.17	0.54		124	Nepal	0.03	18.51	0.03	○
61	Bahrain	2.83	32.11	0.53		125	Denmark	-0.20	17.40	0.02	○
62	Tajikistan	2.82	32.07	0.52	●	126	Yemen (2013)	-0.37	16.56	0.02	
63	Latvia	2.81	32.00	0.51		127	Sweden	-0.44	16.21	0.01	○
64	China	2.79	31.92	0.50		128	Belgium	-3.78	0.00	0.00	○

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

5.3.5 Research talent in business enterprise

Researchers in business enterprise, per thousand population (%) | 2014

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Israel (2012)	83.68	100.00	1.00	●	65	Malaysia (2012)	10.75	12.76	0.20	○
2	Korea, Rep.	79.50	94.99	0.99	●	66	Botswana (2012)	10.49	12.45	0.19	
3	Japan	74.11	88.55	0.98	●	67	Morocco (2012)	9.32	11.04	0.18	○
4	Costa Rica (2011)	69.18	82.65	0.96	●	68	Argentina (2013)	7.03	8.30	0.16	
5	United States of America (2012)	68.69	82.07	0.95		69	Moldova, Rep.	6.63	7.83	0.15	○
6	Sweden	66.67	79.65	0.94		70	Bosnia and Herzegovina	5.67	6.68	0.14	
7	Ireland	64.45	77.00	0.93		71	Egypt	5.51	6.48	0.13	
8	Austria	63.70	76.10	0.91	●	72	Zambia (2008)	4.85	5.70	0.11	
9	China	62.07	74.14	0.90		73	Venezuela, Bolivarian Rep. (2012)	4.52	5.31	0.10	
10	Netherlands	60.84	72.68	0.89		74	Malawi (2007)	1.73	1.96	0.09	
11	France	60.41	72.16	0.88		75	Ghana (2010)	0.99	1.08	0.08	
12	Malta	59.82	71.45	0.86		76	Uruguay	0.99	1.08	0.06	○
13	Denmark	59.52	71.09	0.85		77	Panama (2008)	0.86	0.93	0.05	○
14	Hungary	59.42	70.98	0.84		78	Colombia (2013)	0.83	0.89	0.04	○
15	Germany	56.85	67.90	0.83		79	Ethiopia (2013)	0.48	0.48	0.03	
16	Canada (2013)	56.01	66.90	0.81		80	Bolivia, Plurinational St. (2010)	0.36	0.33	0.01	○
17	Finland	55.82	66.67	0.80		81	Senegal (2010)	0.09	0.00	0.00	○
18	Philippines (2013)	54.10	64.61	0.79	●	n/a	Albania	n/a	n/a	n/a	
19	Slovenia	54.08	64.59	0.78		n/a	Algeria	n/a	n/a	n/a	
20	Singapore (2013)	50.88	60.76	0.76		n/a	Armenia	n/a	n/a	n/a	
21	Belgium	50.79	60.66	0.75		n/a	Azerbaijan	n/a	n/a	n/a	
22	Czech Republic	50.72	60.57	0.74		n/a	Bahrain	n/a	n/a	n/a	
23	Uganda (2010)	50.61	60.43	0.73	●	n/a	Bangladesh	n/a	n/a	n/a	
24	Norway	49.27	58.83	0.71		n/a	Belarus	n/a	n/a	n/a	
25	Mali (2010)	49.04	58.56	0.70	●	n/a	Benin	n/a	n/a	n/a	
26	Turkey	46.67	55.73	0.69		n/a	Bhutan	n/a	n/a	n/a	
27	Russian Federation	46.66	55.72	0.68		n/a	Burkina Faso	n/a	n/a	n/a	
28	Switzerland (2012)	46.16	55.12	0.66		n/a	Burundi	n/a	n/a	n/a	
29	Luxembourg	40.34	48.15	0.65		n/a	Cambodia	n/a	n/a	n/a	
30	Hong Kong (China) (2013)	39.89	47.62	0.64		n/a	Cameroon	n/a	n/a	n/a	
31	India (2010)	38.73	46.22	0.63		n/a	Côte d'Ivoire	n/a	n/a	n/a	
32	Italy	38.31	45.73	0.61		n/a	Dominican Republic	n/a	n/a	n/a	
33	United Kingdom	38.19	45.59	0.60	○	n/a	El Salvador	n/a	n/a	n/a	
34	Iceland (2013)	37.69	44.98	0.59		n/a	Georgia	n/a	n/a	n/a	
35	Spain	36.52	43.59	0.58		n/a	Guatemala	n/a	n/a	n/a	
36	Thailand (2011)	36.11	43.09	0.56		n/a	Guinea	n/a	n/a	n/a	
37	Indonesia (2009)	35.54	42.41	0.55		n/a	Honduras	n/a	n/a	n/a	
38	Ukraine (2013)	35.27	42.09	0.54		n/a	Jamaica	n/a	n/a	n/a	
39	New Zealand (2013)	34.08	40.66	0.53		n/a	Jordan	n/a	n/a	n/a	
40	Poland	31.79	37.93	0.51		n/a	Kazakhstan	n/a	n/a	n/a	
41	Sri Lanka (2013)	30.67	36.58	0.50		n/a	Kuwait	n/a	n/a	n/a	
42	Mexico (2011)	30.01	35.80	0.49		n/a	Kyrgyzstan	n/a	n/a	n/a	
43	Chile	29.79	35.53	0.48		n/a	Lebanon	n/a	n/a	n/a	
44	Estonia	29.04	34.63	0.46	○	n/a	Madagascar	n/a	n/a	n/a	
45	Romania	28.96	34.54	0.45		n/a	Mauritius	n/a	n/a	n/a	
46	Qatar (2012)	27.97	33.35	0.44		n/a	Mongolia	n/a	n/a	n/a	
47	Australia (2010)	27.87	33.24	0.43	○	n/a	Mozambique	n/a	n/a	n/a	
48	Portugal	27.37	32.64	0.41	○	n/a	Namibia	n/a	n/a	n/a	
49	Bulgaria	26.36	31.43	0.40		n/a	Nepal	n/a	n/a	n/a	
50	Brazil (2010)	25.94	30.93	0.39		n/a	Nicaragua	n/a	n/a	n/a	
51	Lithuania	23.12	27.55	0.38		n/a	Niger	n/a	n/a	n/a	
52	South Africa (2012)	21.31	25.38	0.36		n/a	Nigeria	n/a	n/a	n/a	
53	Montenegro (2013)	21.29	25.36	0.35		n/a	Pakistan	n/a	n/a	n/a	
54	Cyprus	20.81	24.79	0.34		n/a	Paraguay	n/a	n/a	n/a	
55	Latvia	20.70	24.66	0.33	○	n/a	Peru	n/a	n/a	n/a	
56	Oman (2012)	20.21	24.08	0.31		n/a	Rwanda	n/a	n/a	n/a	
57	Slovakia	17.94	21.36	0.30	○	n/a	Saudi Arabia	n/a	n/a	n/a	
58	Greece	16.63	19.79	0.29		n/a	Tajikistan	n/a	n/a	n/a	
59	Croatia	15.09	17.95	0.28	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a	
60	Iran, Islamic Rep. (2008)	14.96	17.80	0.26		n/a	Togo	n/a	n/a	n/a	
61	Ecuador (2008)	14.95	17.78	0.25		n/a	Tunisia	n/a	n/a	n/a	
62	TFYR of Macedonia	11.70	13.89	0.24		n/a	United Arab Emirates	n/a	n/a	n/a	
63	Kenya (2010)	11.41	13.55	0.23		n/a	Viet Nam	n/a	n/a	n/a	
64	Serbia	10.91	12.95	0.21	○	n/a	Yemen	n/a	n/a	n/a	

SOURCE: UNESCO Institute for Statistics, *UIS online database*; United Nations, *World Population Prospects: The 2015 Revision* (population)

NOTE: ● indicates a strength; ○ a weakness

6.1.1

Patent applications by origin

Number of resident patent applications filed at a given national or regional patent office (per billion PPP\$ GDP) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	China	44.29	100.00	0.97	●	65	Kenya	0.99	5.53	0.46	
1	Germany	19.70	100.00	0.97	●	66	Viet Nam	0.95	5.29	0.45	
1	Japan	55.79	100.00	0.97	●	67	Thailand	0.94	5.23	0.44	
1	Korea, Rep.	91.97	100.00	0.97	●	68	Egypt	0.79	4.40	0.43	
1	Switzerland	17.61	100.00	0.97	●	69	Senegal	0.76	4.21	0.42	
6	United States of America	16.43	93.33	0.96		70	Saudi Arabia	0.59	3.23	0.42	
7	Finland	16.31	92.62	0.95		71	Mexico	0.58	3.18	0.41	
8	Denmark	13.40	76.08	0.94		72	Bhutan (2013)	0.55	3.03	0.40	
9	Sweden	12.99	73.74	0.93		73	Argentina	0.54	2.93	0.39	
10	Netherlands	11.31	64.21	0.92		74	Uruguay	0.52	2.82	0.38	
11	Luxembourg	10.92	61.97	0.92		75	Jordan	0.50	2.73	0.37	
12	Austria	10.23	58.03	0.91	●	76	Niger	0.50	2.73	0.36	
13	New Zealand	10.17	57.73	0.90		77	Philippines	0.48	2.62	0.36	
14	Iran, Islamic Rep.	10.08	57.22	0.89	●	78	Hong Kong (China)	0.48	2.61	0.35	○
15	France	9.69	55.00	0.88		79	Albania	0.41	2.22	0.34	
16	United Kingdom	7.75	43.97	0.87		80	Paraguay (2010)	0.41	2.19	0.33	
17	Kyrgyzstan	7.12	40.40	0.86	●	81	Colombia	0.40	2.18	0.32	
18	Russian Federation	6.81	38.62	0.86	●	82	Cameroon	0.37	1.98	0.31	
19	Ukraine	6.61	37.46	0.85	●	83	Mali	0.33	1.74	0.31	
20	Iceland	6.42	36.37	0.84		84	Côte d'Ivoire	0.31	1.63	0.30	
21	Belgium	5.82	32.95	0.83		85	Benin	0.30	1.60	0.29	
22	Italy	5.73	32.48	0.82		86	Togo	0.30	1.56	0.28	
23	Armenia	4.96	28.11	0.81	●	87	Nepal (2013)	0.29	1.52	0.27	
24	Norway	4.71	26.68	0.81		88	Yemen	0.28	1.47	0.26	●
25	Poland	4.61	26.09	0.80		89	Rwanda	0.26	1.39	0.25	
26	Malta	4.53	25.65	0.79		90	Indonesia	0.26	1.37	0.25	
27	Belarus	4.52	25.59	0.78	●	91	Zambia	0.23	1.18	0.24	
28	Kazakhstan	4.33	24.52	0.77	●	92	Costa Rica	0.22	1.16	0.23	
29	Israel	4.13	23.39	0.76		93	Peru	0.22	1.15	0.22	
30	Mongolia	3.99	22.55	0.75		94	Algeria	0.17	0.86	0.21	
31	Moldova, Rep.	3.77	21.31	0.75		95	Burkina Faso	0.17	0.85	0.20	
32	Ireland	3.73	21.07	0.74		96	Panama	0.17	0.85	0.19	
33	Turkey	3.41	19.29	0.73		97	Pakistan	0.17	0.82	0.19	
34	Czech Republic	3.41	19.27	0.72		98	Honduras (2013)	0.16	0.79	0.18	
35	Georgia	3.20	18.09	0.71		99	Madagascar	0.15	0.72	0.17	
36	Portugal	2.96	16.74	0.70		100	Guinea (2012)	0.14	0.69	0.16	
37	Singapore	2.87	16.19	0.69		101	Bolivia, Plurinational St.	0.13	0.61	0.15	
38	Spain	2.81	15.86	0.69		102	Bahrain	0.11	0.52	0.14	
39	Hungary	2.67	15.05	0.68		103	Botswana	0.11	0.52	0.14	
40	Canada	2.63	14.84	0.67		104	Dominican Republic	0.09	0.42	0.13	
41	Greece	2.61	14.73	0.66		105	Mauritius (2013)	0.09	0.39	0.12	○
42	Romania	2.49	14.03	0.65		106	Guatemala	0.08	0.36	0.11	
43	Latvia	2.30	12.93	0.64		107	Bangladesh	0.08	0.35	0.10	
44	Serbia	2.20	12.40	0.64		108	United Arab Emirates	0.08	0.33	0.09	○
45	Estonia	2.17	12.25	0.63		109	Uganda	0.07	0.26	0.08	
46	Croatia	2.05	11.55	0.62		110	Venezuela, Bolivarian Rep. (2011)	0.07	0.26	0.08	
47	Slovenia	2.01	11.34	0.61		111	Nigeria (2013)	0.05	0.18	0.07	
48	Bulgaria	1.94	10.89	0.60		112	Tajikistan	0.04	0.14	0.06	
49	Cyprus	1.85	10.42	0.59		113	Cambodia	0.04	0.11	0.05	○
50	Lithuania	1.84	10.34	0.58		114	TFYR of Macedonia	0.04	0.09	0.04	○
51	Australia	1.81	10.16	0.58		115	Nicaragua	0.03	0.08	0.03	○
52	Malaysia	1.76	9.88	0.57		116	Qatar	0.03	0.05	0.03	○
53	Sri Lanka (2013)	1.64	9.21	0.56		117	Ecuador (2010)	0.03	0.05	0.02	○
54	India	1.62	9.12	0.55		118	Kuwait	0.02	0.00	0.01	○
55	Slovakia	1.55	8.72	0.54		119	Oman (2012)	0.02	0.00	0.00	○
56	Brazil	1.42	7.97	0.53		n/a	Burundi	n/a	n/a	n/a	
57	Montenegro	1.38	7.72	0.53		n/a	El Salvador	n/a	n/a	n/a	
58	Morocco	1.37	7.67	0.52		n/a	Ethiopia	n/a	n/a	n/a	
59	Jamaica	1.37	7.67	0.51		n/a	Ghana	n/a	n/a	n/a	
60	Azerbaijan	1.24	6.91	0.50		n/a	Lebanon	n/a	n/a	n/a	
61	Tunisia	1.14	6.36	0.49		n/a	Malawi	n/a	n/a	n/a	
62	South Africa	1.13	6.33	0.48		n/a	Mozambique	n/a	n/a	n/a	
63	Chile	1.10	6.14	0.47		n/a	Namibia	n/a	n/a	n/a	
64	Bosnia and Herzegovina	1.07	5.97	0.47		n/a	Tanzania, United Rep.	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

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Japan	9.13	100.00	0.96	●	65	Kenya	0.08	1.04	0.33	
1	Korea, Rep.	7.91	100.00	0.96	●	66	Belarus	0.07	0.97	0.32	
1	Luxembourg	7.16	100.00	0.96	●	67	TFYR of Macedonia	0.07	0.94	0.31	
1	Sweden	8.25	100.00	0.96	●	68	Peru	0.06	0.88	0.29	
1	Switzerland	8.87	100.00	0.96	●	69	Tunisia	0.06	0.85	0.28	
6	Finland	7.08	98.97	0.95		70	Albania	0.06	0.82	0.27	
7	Israel	6.03	84.18	0.94		71	Sri Lanka	0.06	0.80	0.26	
8	Netherlands	5.24	73.20	0.93		72	Madagascar (2014)	0.06	0.79	0.25	
9	Denmark	5.18	72.35	0.92		73	Qatar	0.06	0.79	0.24	
10	Germany	4.70	65.70	0.91		74	Egypt	0.06	0.78	0.23	
11	Malta	4.54	63.44	0.89		75	Uganda (2014)	0.05	0.71	0.22	
12	Austria	3.48	48.56	0.88		76	Niger	0.05	0.71	0.21	
13	France	3.20	44.72	0.87		77	Kazakhstan	0.05	0.68	0.20	
14	United States of America	3.19	44.60	0.86		78	Kyrgyzstan	0.05	0.68	0.19	
15	Iceland	3.03	42.33	0.85		79	Benin (2014)	0.05	0.67	0.18	
16	Belgium	2.40	33.45	0.84		80	Rwanda	0.05	0.66	0.17	
17	New Zealand	2.17	30.28	0.83		81	Viet Nam	0.04	0.50	0.16	○
18	United Kingdom	2.00	27.88	0.82		82	Philippines	0.04	0.48	0.15	
19	Singapore	1.94	27.09	0.81		83	Dominican Republic	0.03	0.44	0.14	
20	Norway	1.92	26.87	0.80		84	Ecuador	0.03	0.35	0.13	
21	Ireland	1.83	25.49	0.79		85	Mongolia	0.03	0.35	0.12	○
22	Cyprus	1.76	24.50	0.78		86	Côte d'Ivoire	0.03	0.33	0.11	
23	Canada	1.75	24.41	0.77		87	El Salvador	0.02	0.23	0.09	
24	Australia	1.54	21.50	0.76		88	Oman	0.02	0.21	0.08	○
25	China	1.53	21.35	0.75		89	Guatemala	0.02	0.19	0.07	
26	Italy	1.42	19.79	0.74		90	Tanzania, United Rep.	0.01	0.17	0.06	
27	Slovenia	1.32	18.43	0.73		91	Algeria	0.01	0.17	0.05	
28	Estonia	0.95	13.25	0.72		92	Cameroon	0.01	0.16	0.04	○
29	Spain	0.94	13.10	0.71		93	Ghana	0.01	0.09	0.03	○
30	Turkey	0.64	8.98	0.69		94	Azerbaijan	0.01	0.05	0.02	○
31	Czech Republic	0.58	8.02	0.68		95	Nigeria	0.00	0.03	0.01	○
32	Hungary	0.58	8.02	0.67		96	Indonesia	0.00	0.00	0.00	○
33	Latvia	0.56	7.81	0.66		n/a	Argentina	n/a	n/a	n/a	
34	Portugal	0.56	7.77	0.65		n/a	Bangladesh	n/a	n/a	n/a	
35	Lithuania	0.45	6.26	0.64		n/a	Bhutan	n/a	n/a	n/a	
36	Senegal	0.44	6.13	0.63	●	n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
37	Poland	0.44	6.10	0.62		n/a	Botswana	n/a	n/a	n/a	
38	South Africa	0.43	6.03	0.61		n/a	Burkina Faso	n/a	n/a	n/a	
39	Greece	0.43	6.03	0.60		n/a	Burundi	n/a	n/a	n/a	
40	Bulgaria	0.41	5.77	0.59		n/a	Cambodia	n/a	n/a	n/a	
41	Ukraine	0.41	5.66	0.58		n/a	Ethiopia	n/a	n/a	n/a	
42	Moldova, Rep.	0.39	5.47	0.57		n/a	Guinea	n/a	n/a	n/a	
43	Chile	0.39	5.47	0.56		n/a	Honduras	n/a	n/a	n/a	
44	Serbia	0.39	5.43	0.55		n/a	Hong Kong (China)	n/a	n/a	n/a	
45	Malaysia	0.33	4.57	0.54		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
46	Croatia	0.31	4.30	0.53		n/a	Jamaica	n/a	n/a	n/a	
47	Slovakia	0.24	3.30	0.52		n/a	Jordan	n/a	n/a	n/a	
48	Russian Federation	0.23	3.16	0.51		n/a	Kuwait	n/a	n/a	n/a	
49	Armenia	0.20	2.74	0.49		n/a	Lebanon	n/a	n/a	n/a	
50	Panama	0.18	2.52	0.48		n/a	Malawi	n/a	n/a	n/a	
51	India	0.18	2.45	0.47		n/a	Mali	n/a	n/a	n/a	
52	Brazil	0.17	2.35	0.46		n/a	Mauritius	n/a	n/a	n/a	
53	Georgia	0.17	2.34	0.45		n/a	Mozambique	n/a	n/a	n/a	
54	Namibia	0.16	2.22	0.44		n/a	Nepal	n/a	n/a	n/a	
55	Mexico	0.14	1.98	0.43		n/a	Nicaragua	n/a	n/a	n/a	
56	Colombia	0.13	1.78	0.42		n/a	Pakistan	n/a	n/a	n/a	
57	Morocco	0.13	1.75	0.41		n/a	Paraguay	n/a	n/a	n/a	
58	United Arab Emirates	0.12	1.65	0.40		n/a	Saudi Arabia	n/a	n/a	n/a	
59	Thailand	0.12	1.64	0.39		n/a	Tajikistan	n/a	n/a	n/a	
60	Montenegro (2014)	0.11	1.45	0.38		n/a	Togo	n/a	n/a	n/a	
61	Bosnia and Herzegovina	0.10	1.39	0.37		n/a	Uruguay	n/a	n/a	n/a	
62	Romania	0.08	1.13	0.36		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
63	Costa Rica	0.08	1.10	0.35		n/a	Yemen	n/a	n/a	n/a	
64	Bahrain	0.08	1.05	0.34		n/a	Zambia	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

6.1.3 Utility model applications by origin

Number of utility model applications filed by residents at the national patent office (per billion PPP\$ GDP) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank
1	China	47.60	100.00	0.95	●	n/a	Bangladesh	n/a	n/a	n/a
1	Moldova, Rep.	8.77	100.00	0.95	●	n/a	Belgium	n/a	n/a	n/a
1	Mongolia	5.45	100.00	0.95	●	n/a	Benin	n/a	n/a	n/a
1	Ukraine	24.86	100.00	0.95	●	n/a	Bhutan	n/a	n/a	n/a
5	Korea, Rep.	4.91	90.02	0.93		n/a	Bosnia and Herzegovina	n/a	n/a	n/a
6	Czech Republic	4.56	83.67	0.92	●	n/a	Burundi	n/a	n/a	n/a
7	Russian Federation	3.63	66.58	0.90	●	n/a	Cambodia	n/a	n/a	n/a
8	Tajikistan (2013)	3.20	58.49	0.89	●	n/a	Cameroon	n/a	n/a	n/a
9	Germany	2.92	53.44	0.87		n/a	Canada	n/a	n/a	n/a
10	Belarus	2.42	44.21	0.85	●	n/a	Côte d'Ivoire	n/a	n/a	n/a
11	Turkey	2.30	41.92	0.84	●	n/a	Cyprus	n/a	n/a	n/a
12	Armenia	2.17	39.70	0.82	●	n/a	Egypt	n/a	n/a	n/a
13	Slovakia	2.17	39.56	0.80		n/a	Ethiopia	n/a	n/a	n/a
14	Estonia	1.90	34.69	0.79		n/a	Ghana	n/a	n/a	n/a
15	Finland	1.88	34.29	0.77		n/a	Guinea	n/a	n/a	n/a
16	Bulgaria	1.70	31.03	0.75		n/a	Iceland	n/a	n/a	n/a
17	Spain	1.66	30.23	0.74		n/a	India	n/a	n/a	n/a
18	Thailand	1.56	28.33	0.72		n/a	Iran, Islamic Rep.	n/a	n/a	n/a
19	Georgia	1.51	27.53	0.70		n/a	Ireland	n/a	n/a	n/a
20	Austria	1.39	25.17	0.69		n/a	Israel	n/a	n/a	n/a
21	Philippines	1.29	23.36	0.67	●	n/a	Jamaica	n/a	n/a	n/a
22	Japan	1.14	20.62	0.66		n/a	Jordan	n/a	n/a	n/a
23	Italy	1.10	19.90	0.64		n/a	Kuwait	n/a	n/a	n/a
24	Poland (2013)	1.08	19.54	0.62		n/a	Latvia	n/a	n/a	n/a
25	Hungary	1.01	18.20	0.61		n/a	Lebanon	n/a	n/a	n/a
26	Australia	0.92	16.58	0.59		n/a	Lithuania	n/a	n/a	n/a
27	Croatia	0.91	16.46	0.57		n/a	Luxembourg	n/a	n/a	n/a
28	Hong Kong (China)	0.90	16.21	0.56		n/a	Madagascar	n/a	n/a	n/a
29	Brazil	0.81	14.48	0.54		n/a	Malawi	n/a	n/a	n/a
30	Serbia	0.68	12.14	0.52		n/a	Mali	n/a	n/a	n/a
31	Kenya	0.62	11.14	0.51		n/a	Malta	n/a	n/a	n/a
32	Denmark	0.58	10.37	0.49	○	n/a	Mauritius	n/a	n/a	n/a
33	Peru	0.52	9.13	0.48		n/a	Montenegro	n/a	n/a	n/a
34	Viet Nam	0.48	8.48	0.46		n/a	Morocco	n/a	n/a	n/a
35	Kyrgyzstan	0.42	7.31	0.44		n/a	Mozambique	n/a	n/a	n/a
36	Uruguay	0.33	5.81	0.43		n/a	Namibia	n/a	n/a	n/a
37	Kazakhstan	0.33	5.74	0.41		n/a	Nepal	n/a	n/a	n/a
38	Portugal	0.32	5.54	0.39	○	n/a	Netherlands	n/a	n/a	n/a
39	Mexico	0.28	4.89	0.38		n/a	New Zealand	n/a	n/a	n/a
40	Colombia	0.28	4.75	0.36		n/a	Nicaragua	n/a	n/a	n/a
41	Chile (2013)	0.22	3.73	0.34		n/a	Niger	n/a	n/a	n/a
42	Honduras (2013)	0.19	3.09	0.33		n/a	Nigeria	n/a	n/a	n/a
43	Argentina	0.17	2.69	0.31		n/a	Norway	n/a	n/a	n/a
44	Slovenia (2010)	0.16	2.53	0.30	○	n/a	Oman	n/a	n/a	n/a
45	Bolivia, Plurinational St.	0.16	2.53	0.28		n/a	Pakistan	n/a	n/a	n/a
46	Azerbaijan	0.14	2.31	0.26		n/a	Paraguay	n/a	n/a	n/a
47	Burkina Faso (2010)	0.14	2.18	0.25		n/a	Qatar	n/a	n/a	n/a
48	El Salvador	0.14	2.16	0.23		n/a	Saudi Arabia	n/a	n/a	n/a
49	Ecuador (2010)	0.13	2.07	0.21		n/a	Senegal	n/a	n/a	n/a
50	Romania	0.11	1.75	0.20	○	n/a	Singapore	n/a	n/a	n/a
51	Malaysia	0.11	1.70	0.18	○	n/a	South Africa	n/a	n/a	n/a
52	Guatemala	0.11	1.64	0.16		n/a	Sri Lanka	n/a	n/a	n/a
53	Greece	0.09	1.39	0.15	○	n/a	Sweden	n/a	n/a	n/a
54	Indonesia	0.08	1.18	0.13		n/a	Switzerland	n/a	n/a	n/a
55	France	0.08	1.13	0.11	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a
56	Dominican Republic	0.08	1.11	0.10	○	n/a	TFYR of Macedonia	n/a	n/a	n/a
57	Panama	0.08	1.09	0.08	○	n/a	Togo	n/a	n/a	n/a
58	Costa Rica	0.07	0.94	0.07	○	n/a	Tunisia	n/a	n/a	n/a
59	Rwanda	0.05	0.62	0.05	○	n/a	Uganda	n/a	n/a	n/a
60	Albania	0.03	0.23	0.03	○	n/a	United Arab Emirates	n/a	n/a	n/a
61	Botswana	0.03	0.16	0.02	○	n/a	United Kingdom	n/a	n/a	n/a
62	Yemen	0.02	0.00	0.00	○	n/a	United States of America	n/a	n/a	n/a
n/a	Algeria	n/a	n/a	n/a		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a
n/a	Bahrain	n/a	n/a	n/a		n/a	Zambia	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

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Iceland	64.85	100.00	1.00	●	65	Bosnia and Herzegovina	9.88	14.42	0.49	
2	Denmark	64.48	99.43	0.99	●	66	Egypt	9.44	13.73	0.48	
3	Slovenia	58.38	89.93	0.98	●	67	Russian Federation	9.27	13.46	0.48	
4	Switzerland	55.80	85.91	0.98	●	68	Rwanda	8.86	12.82	0.47	
5	Finland	54.19	83.40	0.97		69	Argentina	8.55	12.35	0.46	
6	Sweden	52.90	81.40	0.96	●	70	Ghana	8.07	11.60	0.45	
7	New Zealand	51.06	78.54	0.95	●	71	Pakistan	7.95	11.41	0.44	
8	Serbia	48.99	75.31	0.94	●	72	Guinea	7.92	11.37	0.44	●
9	Australia	48.33	74.29	0.94		73	Saudi Arabia	7.51	10.73	0.43	
10	Israel	45.75	70.27	0.93		74	Nepal	7.36	10.50	0.42	
11	Portugal	44.91	68.95	0.92	●	75	Namibia	7.17	10.19	0.41	
12	Estonia	44.09	67.68	0.91		76	Togo	7.12	10.12	0.40	●
13	Netherlands	42.82	65.71	0.90		77	India	6.99	9.91	0.40	
14	United Kingdom	41.08	62.99	0.90		78	Mozambique	6.79	9.60	0.39	
15	Belgium	40.44	62.00	0.89		79	Costa Rica	6.76	9.56	0.38	
16	Cyprus	37.15	56.88	0.88		80	Ethiopia	6.73	9.51	0.37	
17	Canada	36.99	56.63	0.87		81	Niger	6.70	9.46	0.37	
18	Czech Republic	35.20	53.85	0.87	●	82	Tanzania, United Rep.	6.59	9.30	0.36	
19	Austria	34.96	53.46	0.86		83	Madagascar	6.33	8.89	0.35	
20	Croatia	33.77	51.60	0.85	●	84	Belarus	6.32	8.87	0.34	
21	Greece	33.59	51.34	0.84	●	85	Morocco	6.20	8.68	0.33	
22	Norway	33.32	50.92	0.83		86	Thailand	6.19	8.67	0.33	
23	Spain	32.23	49.21	0.83		87	Mongolia	6.12	8.56	0.32	
24	Armenia	29.94	45.65	0.82	●	88	Mali	6.11	8.54	0.31	
25	Korea, Rep.	29.74	45.33	0.81		89	Jamaica	5.69	7.89	0.30	
26	Tunisia	28.48	43.38	0.80	●	90	Mexico	5.53	7.64	0.29	
27	Ireland	27.92	42.50	0.79		91	Colombia	5.52	7.63	0.29	
28	Italy	27.28	41.51	0.79		92	Bhutan	5.48	7.57	0.28	
29	Singapore	26.13	39.71	0.78		93	Botswana	5.46	7.54	0.27	
30	Lithuania	25.93	39.41	0.77		94	Qatar	5.11	6.99	0.26	
31	Germany	25.68	39.02	0.76		95	Viet Nam	4.99	6.80	0.25	
32	France	25.35	38.50	0.75		96	Panama	4.82	6.54	0.25	
33	Hungary	25.14	38.17	0.75		97	Albania	4.76	6.45	0.24	
34	Poland	24.89	37.79	0.74		98	Cambodia	4.71	6.36	0.23	
35	Montenegro	20.86	31.51	0.73		99	Kyrgyzstan	4.70	6.34	0.22	
36	Slovakia	20.17	30.44	0.72		100	Zambia	4.56	6.14	0.21	
37	Iran, Islamic Rep.	20.12	30.36	0.71	●	101	Algeria	4.50	6.04	0.21	
38	United States of America	19.88	29.99	0.71		102	Ecuador	4.41	5.89	0.20	
39	Malawi	19.17	28.87	0.70	●	103	Mauritius	4.28	5.70	0.19	
40	Malta	18.03	27.11	0.69		104	Oman	4.27	5.69	0.18	
41	Luxembourg	17.92	26.94	0.68		105	Burundi	3.93	5.16	0.17	
42	Romania	17.65	26.51	0.67		106	United Arab Emirates	3.18	3.98	0.17	○
43	Chile	17.01	25.52	0.67		107	Bolivia, Plurinational St.	3.10	3.86	0.16	
44	Turkey	16.81	25.20	0.66		108	Tajikistan	3.05	3.78	0.15	
45	Georgia	16.77	25.14	0.65		109	Côte d'Ivoire	2.99	3.68	0.14	
46	South Africa	15.56	23.26	0.64		110	Sri Lanka	2.94	3.60	0.13	○
47	Japan	14.99	22.38	0.63		111	Bangladesh	2.82	3.42	0.13	
48	Jordan	14.80	22.07	0.63		112	Azerbaijan	2.63	3.12	0.12	○
49	Bulgaria	14.74	21.99	0.62		113	Peru	2.62	3.10	0.11	○
50	China	13.91	20.69	0.61		114	Yemen	2.42	2.81	0.10	
51	Latvia	13.73	20.41	0.60		115	Kuwait	2.28	2.58	0.10	○
52	Benin	13.61	20.23	0.60	●	116	Bahrain	2.25	2.54	0.09	○
53	Lebanon	13.33	19.79	0.59		117	Nicaragua	2.08	2.28	0.08	
54	TFYR of Macedonia	12.63	18.70	0.58		118	Nigeria	1.95	2.07	0.07	
55	Malaysia	12.59	18.63	0.57		119	Honduras	1.76	1.77	0.06	○
56	Uruguay	12.59	18.63	0.56		120	Paraguay	1.74	1.74	0.06	○
57	Ukraine	12.55	18.57	0.56		121	Kazakhstan	1.68	1.64	0.05	○
58	Moldova, Rep.	12.38	18.30	0.55		122	Venezuela, Bolivarian Rep.	1.59	1.51	0.04	
59	Brazil	12.21	18.04	0.54		123	Philippines	1.54	1.43	0.03	○
60	Uganda	11.56	17.03	0.53		124	Guatemala	1.29	1.04	0.02	○
61	Burkina Faso	11.32	16.66	0.52	●	125	El Salvador	1.27	1.01	0.02	○
62	Senegal	10.96	16.10	0.52		126	Dominican Republic	0.66	0.07	0.01	○
63	Kenya	10.91	16.02	0.51		127	Indonesia	0.62	0.00	0.00	○
64	Cameroon	10.55	15.46	0.50	●	n/a	Hong Kong (China)	n/a	n/a	n/a	

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

6.1.5 Citable documents H index

The H index is the economy's number of published articles (H) that have received at least H citations in the period 1996–2014 | 2015

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	United Kingdom	1,015.00	100.00	0.99	●	65	Belarus	122.00	9.98	0.49	
1	United States of America	1,648.00	100.00	0.99	●	65	Lebanon	122.00	9.98	0.49	
3	Germany	887.00	87.10	0.98	●	67	Uganda	118.00	9.58	0.48	
4	France	811.00	79.44	0.98	●	68	Morocco	117.00	9.48	0.47	
5	Canada	794.00	77.72	0.97	●	69	Nigeria	115.00	9.27	0.46	●
6	Japan	745.00	72.78	0.96		70	Cyprus	113.00	9.07	0.45	
7	Italy	713.00	69.56	0.95	●	70	Tanzania, United Rep.	113.00	9.07	0.45	●
8	Netherlands	694.00	67.64	0.94		72	United Arab Emirates	112.00	8.97	0.44	
9	Switzerland	686.00	66.83	0.94		73	Tunisia	109.00	8.67	0.43	
10	Australia	644.00	62.60	0.93		74	Sri Lanka	107.00	8.47	0.43	
11	Sweden	614.00	59.58	0.92		75	Luxembourg	105.00	8.27	0.42	
12	Spain	591.00	57.26	0.91	●	76	Latvia	104.00	8.17	0.41	
13	Belgium	547.00	52.82	0.91		77	Jordan	102.00	7.96	0.40	
14	Denmark	518.00	49.90	0.90		78	Georgia	101.00	7.86	0.39	
15	Israel	496.00	47.68	0.89		79	Ecuador	100.00	7.76	0.37	
16	China	495.00	47.58	0.88		79	Kuwait	100.00	7.76	0.37	
17	Austria	449.00	42.94	0.87		79	Serbia	100.00	7.76	0.37	
18	Finland	443.00	42.34	0.87		82	Algeria	97.00	7.46	0.35	
19	Korea, Rep.	424.00	40.42	0.86		82	Malawi	97.00	7.46	0.35	
20	Norway	402.00	38.21	0.85		84	Ghana	92.00	6.96	0.35	
21	Russian Federation	390.00	37.00	0.84		85	Senegal	89.00	6.65	0.34	
22	India	383.00	36.29	0.83	●	86	Ethiopia	88.00	6.55	0.33	
23	Brazil	379.00	35.89	0.83	●	87	Nepal	87.00	6.45	0.32	
24	Poland	371.00	35.08	0.82	●	88	Cameroon	85.00	6.25	0.31	
25	Hong Kong (China)	359.00	33.87	0.81		89	Oman	83.00	6.05	0.30	
26	New Zealand	351.00	33.06	0.80		89	Zambia	83.00	6.05	0.30	
27	Singapore	349.00	32.86	0.80		91	Côte d'Ivoire	82.00	5.95	0.29	
28	Ireland	332.00	31.15	0.79		92	Bolivia, Plurinational St.	78.00	5.54	0.28	
29	Greece	326.00	30.54	0.78		93	Burkina Faso	77.00	5.44	0.28	
30	Hungary	301.00	28.02	0.77		94	Malta	75.00	5.24	0.27	○
31	Portugal	297.00	27.62	0.76		95	Moldova, Rep.	74.00	5.14	0.25	
32	Czech Republic	294.00	27.32	0.76		95	TFYR of Macedonia	74.00	5.14	0.25	
33	South Africa	292.00	27.12	0.75		97	Botswana	71.00	4.84	0.24	
34	Mexico	289.00	26.81	0.74		97	Jamaica	71.00	4.84	0.24	
35	Argentina	273.00	25.20	0.73	●	99	Qatar	70.00	4.74	0.23	
36	Turkey	266.00	24.50	0.72		100	Madagascar	68.00	4.54	0.21	
37	Chile	233.00	21.17	0.72		100	Mali	68.00	4.54	0.21	
38	Thailand	213.00	19.15	0.71		102	Namibia	67.00	4.44	0.20	
39	Iceland	198.00	17.64	0.70		103	Mozambique	66.00	4.33	0.20	
40	Slovenia	189.00	16.73	0.69		104	Cambodia	65.00	4.23	0.18	
41	Iran, Islamic Rep.	180.00	15.83	0.68	●	104	Mongolia	65.00	4.23	0.18	
41	Slovakia	180.00	15.83	0.68		106	Kazakhstan	64.00	4.13	0.17	
43	Croatia	177.00	15.52	0.67		107	Guatemala	63.00	4.03	0.17	
44	Ukraine	174.00	15.22	0.66		108	Benin	59.00	3.63	0.16	
45	Colombia	169.00	14.72	0.65		109	Azerbaijan	58.00	3.53	0.15	
46	Bulgaria	167.00	14.52	0.64		110	Nicaragua	56.00	3.33	0.14	
46	Romania	167.00	14.52	0.64		111	Bosnia and Herzegovina	55.00	3.23	0.13	
48	Egypt	165.00	14.31	0.61	●	112	Niger	54.00	3.13	0.12	
48	Kenya	165.00	14.31	0.61		112	Paraguay	54.00	3.13	0.12	
48	Malaysia	165.00	14.31	0.61		114	Mauritius	50.00	2.72	0.11	○
51	Saudi Arabia	164.00	14.21	0.61		115	Bahrain	48.00	2.52	0.09	○
52	Estonia	162.00	14.01	0.60		115	Honduras	48.00	2.52	0.09	○
53	Venezuela, Bolivarian Rep.	155.00	13.31	0.59	●	115	Rwanda	48.00	2.52	0.09	
54	Pakistan	148.00	12.60	0.58	●	118	Dominican Republic	47.00	2.42	0.08	○
55	Philippines	147.00	12.50	0.57		119	Yemen	46.00	2.32	0.07	
56	Indonesia	140.00	11.79	0.56		120	Albania	43.00	2.02	0.06	
56	Peru	140.00	11.79	0.56		121	Guinea	41.00	1.81	0.06	
58	Lithuania	133.00	11.09	0.54		122	El Salvador	40.00	1.71	0.04	○
58	Viet Nam	133.00	11.09	0.54		122	Kyrgyzstan	40.00	1.71	0.04	○
60	Panama	128.00	10.58	0.54		124	Togo	37.00	1.41	0.03	○
61	Costa Rica	127.00	10.48	0.53		125	Burundi	28.00	0.50	0.01	○
62	Armenia	126.00	10.38	0.52		125	Montenegro	28.00	0.50	0.01	○
63	Bangladesh	124.00	10.18	0.50	●	125	Tajikistan	28.00	0.50	0.01	○
63	Uruguay	124.00	10.18	0.50		128	Bhutan	23.00	0.00	0.00	○

SOURCE: SCImago. (2016). SJR — SCImago Journal & Country Rank. Retrieved February 2016

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\$) | 2014

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Indonesia	7.81	100.00	1.00	●	65	Slovakia	0.99	57.06	0.41	
2	Philippines	6.20	89.88	0.99	●	66	Albania	0.98	57.02	0.40	
3	Ethiopia	5.42	84.96	0.98	●	67	Qatar	0.94	56.75	0.39	
4	Cambodia	5.24	83.83	0.97	●	68	Lithuania	0.92	56.67	0.38	
5	Côte d'Ivoire	5.06	82.69	0.96	●	69	Sweden	0.87	56.32	0.37	
6	India	4.97	82.13	0.95	●	70	United States of America	0.83	56.06	0.36	○
7	Mozambique	4.81	81.14	0.94	●	71	Germany	0.75	55.59	0.35	○
8	Georgia	4.77	80.87	0.94	●	72	United Kingdom	0.71	55.30	0.34	○
9	Tajikistan	4.71	80.50	0.93	●	73	Tunisia	0.70	55.26	0.33	
10	Viet Nam	4.54	79.45	0.92	●	74	Belgium	0.67	55.09	0.32	○
11	Sri Lanka	4.38	78.44	0.91	●	75	Saudi Arabia	0.64	54.89	0.31	
12	Tanzania, United Rep.	4.26	77.64	0.90	●	76	Egypt	0.56	54.39	0.31	
13	Mali	4.12	76.80	0.89	●	77	Burkina Faso	0.53	54.17	0.30	
14	Latvia	3.76	74.53	0.88	●	78	Hungary	0.48	53.89	0.29	○
15	Nigeria	3.75	74.47	0.87	●	79	Denmark	0.44	53.62	0.28	○
16	Kazakhstan	3.55	73.22	0.86	●	80	Finland	0.44	53.60	0.27	○
17	Moldova, Rep.	3.53	73.08	0.85	●	81	Russian Federation	0.43	53.55	0.26	
18	Niger	3.52	72.98	0.84	●	82	Singapore	0.32	52.84	0.25	○
19	Bangladesh	3.43	72.41	0.83	●	83	Switzerland	0.29	52.70	0.24	○
20	China	3.38	72.11	0.82		84	Iceland	0.28	52.62	0.23	○
21	Malaysia	3.28	71.48	0.81		85	Brazil	0.27	52.55	0.22	○
22	Luxembourg	3.13	70.56	0.81		86	Chile	0.27	52.52	0.21	○
23	Bahrain	3.07	70.17	0.80		87	Spain	0.12	51.60	0.20	○
24	Thailand	3.06	70.14	0.79		88	Costa Rica	0.09	51.39	0.19	○
25	Bolivia, Plurinational St.	3.05	70.05	0.78	●	89	Greece	0.04	51.09	0.19	○
26	Morocco	3.04	69.98	0.77	●	90	France	-0.12	50.11	0.18	○
27	Ireland	3.00	69.76	0.76		91	Madagascar	-0.13	50.05	0.17	
28	Uruguay	2.89	69.03	0.75	●	92	New Zealand	-0.23	49.40	0.16	○
29	Armenia	2.79	68.40	0.74		93	Israel	-0.30	48.94	0.15	○
30	Dominican Republic	2.66	67.62	0.73	●	94	South Africa	-0.36	48.61	0.14	○
31	Kenya	2.49	66.52	0.72	●	95	Cyprus	-0.39	48.40	0.13	○
32	Malawi	2.46	66.30	0.71	●	96	Ukraine	-0.43	48.13	0.12	○
33	Kyrgyzstan	2.35	65.66	0.70	●	97	Italy	-0.50	47.70	0.11	○
34	Colombia	2.34	65.57	0.69		98	Portugal	-0.52	47.57	0.10	○
35	Zambia	2.18	64.57	0.69	●	99	Austria	-0.54	47.47	0.09	○
36	Pakistan	2.12	64.18	0.68	●	100	Japan	-0.72	46.33	0.08	○
37	Algeria	2.11	64.12	0.67	●	101	Kuwait	-0.87	45.39	0.07	○
38	TFYR of Macedonia	2.06	63.82	0.66		102	Malta	-0.92	45.04	0.06	○
39	Slovenia	1.95	63.14	0.65		103	Argentina	-1.07	44.10	0.06	○
40	Romania	1.93	62.98	0.64		104	Jamaica	-1.28	42.77	0.05	○
41	Cameroon	1.84	62.46	0.63	●	105	Oman	-1.96	38.54	0.04	○
42	Canada	1.80	62.18	0.62		106	Bosnia and Herzegovina	-1.99	38.32	0.03	○
43	Mexico	1.74	61.78	0.61		107	Croatia	-2.99	32.02	0.02	○
44	Poland	1.72	61.69	0.60		108	Yemen	-4.35	23.45	0.01	
45	Ecuador	1.72	61.68	0.59		109	Venezuela, Bolivarian Rep.	-8.08	0.00	0.00	○
46	Senegal	1.68	61.41	0.58	●	n/a	Benin	n/a	n/a	n/a	
47	Australia	1.54	60.55	0.57		n/a	Bhutan	n/a	n/a	n/a	
48	Guatemala	1.49	60.25	0.56		n/a	Botswana	n/a	n/a	n/a	
49	Belarus	1.48	60.16	0.56		n/a	Burundi	n/a	n/a	n/a	
50	Hong Kong (China)	1.46	60.02	0.55		n/a	El Salvador	n/a	n/a	n/a	
51	United Arab Emirates	1.45	59.99	0.54		n/a	Guinea	n/a	n/a	n/a	
52	Czech Republic	1.42	59.76	0.53		n/a	Honduras	n/a	n/a	n/a	
53	Jordan	1.34	59.30	0.52		n/a	Lebanon	n/a	n/a	n/a	
54	Azerbaijan	1.33	59.24	0.51		n/a	Mauritius	n/a	n/a	n/a	
55	Bulgaria	1.33	59.24	0.50		n/a	Mongolia	n/a	n/a	n/a	
56	Peru	1.33	59.23	0.49		n/a	Montenegro	n/a	n/a	n/a	
57	Estonia	1.31	59.07	0.48		n/a	Namibia	n/a	n/a	n/a	
58	Turkey	1.24	58.63	0.47		n/a	Nepal	n/a	n/a	n/a	
59	Netherlands	1.18	58.31	0.46	○	n/a	Nicaragua	n/a	n/a	n/a	
60	Uganda	1.18	58.29	0.45		n/a	Panama	n/a	n/a	n/a	
61	Korea, Rep.	1.16	58.14	0.44		n/a	Paraguay	n/a	n/a	n/a	
62	Ghana	1.10	57.75	0.44		n/a	Rwanda	n/a	n/a	n/a	
63	Norway	1.06	57.49	0.43	○	n/a	Serbia	n/a	n/a	n/a	
64	Iran, Islamic Rep.	1.01	57.18	0.42		n/a	Togo	n/a	n/a	n/a	

SOURCE: The Conference Board Total Economy Database[™] Output, Labor and Labor Productivity, 1950–2015, September 2015

NOTE: ● indicates a strength; ○ a weakness

6.2.2 New business density

New business density (new registrations per thousand population 15–64 years old) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Hong Kong (China)	31.30	100.00	0.99	●	65	Albania (2013)	1.11	6.41	0.40	
1	Malta	17.26	100.00	0.99	●	66	Costa Rica	1.10	6.36	0.39	
3	New Zealand	16.63	96.35	0.98	●	67	Kyrgyzstan	1.08	6.24	0.38	
4	Estonia	16.05	92.99	0.97	●	68	Belarus	1.05	6.07	0.37	
5	Australia	14.91	86.38	0.96	●	69	Oman (2013)	1.02	5.89	0.36	
6	Panama (2012)	14.10	81.69	0.95	●	70	Jamaica	1.00	5.78	0.35	
7	Cyprus	13.70	79.37	0.94	●	71	Azerbaijan	0.99	5.72	0.33	
8	Botswana	13.11	75.95	0.93	●	71	Jordan	0.99	5.72	0.33	
9	United Kingdom (2012)	12.90	74.73	0.92		73	Mexico	0.94	5.43	0.32	
10	Latvia	10.61	61.46	0.92	●	74	Ukraine (2012)	0.92	5.31	0.31	
11	Singapore	9.51	55.09	0.91		75	Thailand	0.90	5.20	0.30	
12	Iceland	9.48	54.92	0.90		76	Ghana (2012)	0.90	5.17	0.29	
13	Bulgaria	8.86	51.32	0.89	●	77	Namibia (2012)	0.85	4.91	0.28	
14	Chile	8.03	46.51	0.88	●	78	Bosnia and Herzegovina	0.83	4.79	0.27	
15	Norway	7.72	44.72	0.87		79	Greece (2010)	0.77	4.42	0.26	○
16	Sweden	6.87	39.79	0.86		80	Nigeria	0.76	4.39	0.25	
17	Montenegro	6.85	39.68	0.85	●	81	Austria	0.73	4.21	0.25	○
18	South Africa (2012)	6.54	37.86	0.84	●	82	Madagascar	0.70	4.04	0.24	
19	Mongolia	6.31	36.55	0.83	●	83	Nepal	0.69	3.98	0.23	
20	Luxembourg (2012)	6.10	35.33	0.82		84	Algeria	0.58	3.34	0.22	
21	Ireland	5.78	33.48	0.81		85	Bolivia, Plurinational St.	0.57	3.28	0.21	
22	Georgia	5.65	32.72	0.80		86	Poland (2009)	0.53	3.05	0.20	○
23	Netherlands	5.34	30.93	0.79		87	El Salvador	0.52	2.99	0.18	
24	Mauritius	5.14	29.77	0.78	●	87	Guatemala (2012)	0.52	2.99	0.18	
25	Croatia	4.63	26.81	0.77	●	89	Sri Lanka (2012)	0.51	2.94	0.17	
26	Portugal	4.62	26.75	0.76		90	Argentina	0.43	2.47	0.16	
27	Slovenia	4.44	25.71	0.75		91	Senegal	0.30	1.72	0.15	
28	Denmark	4.36	25.25	0.75		92	Indonesia (2012)	0.29	1.66	0.14	
29	Russian Federation	4.20	24.32	0.74		93	Philippines (2012)	0.27	1.55	0.13	
30	Lithuania	4.19	24.26	0.73		94	Tajikistan (2012)	0.26	1.49	0.11	
31	Romania	4.07	23.57	0.72		94	Togo	0.26	1.49	0.11	
32	TFYR of Macedonia	3.70	21.42	0.71		96	Cambodia (2009)	0.22	1.24	0.10	
33	Hungary	3.66	21.19	0.70		97	Burkina Faso (2012)	0.15	0.85	0.08	
34	Finland	3.43	19.86	0.69		97	Japan	0.15	0.85	0.08	○
35	Czech Republic	3.42	19.80	0.68		99	Guinea	0.13	0.73	0.08	
36	Israel	3.11	18.00	0.67		100	Egypt (2009)	0.13	0.72	0.07	○
37	Slovakia	3.10	17.94	0.66		101	India	0.12	0.68	0.06	○
38	Spain	2.97	17.19	0.65		102	Bangladesh (2012)	0.09	0.50	0.05	
39	Brazil	2.88	16.67	0.64		103	Malawi (2009)	0.08	0.44	0.04	
40	Switzerland (2012)	2.53	14.64	0.63		104	Bhutan	0.06	0.33	0.03	○
41	Uruguay (2012)	2.49	14.41	0.62		105	Pakistan	0.04	0.21	0.02	○
42	Peru	2.44	14.12	0.61		106	Ethiopia (2009)	0.03	0.15	0.01	○
43	Malaysia	2.37	13.71	0.60		107	Niger (2009)	0.00	0.00	0.00	○
44	Italy	2.32	13.42	0.59		n/a	Bahrain	n/a	n/a	n/a	
45	Korea, Rep.	2.30	13.31	0.58		n/a	Benin	n/a	n/a	n/a	
46	France	2.26	13.08	0.58	○	n/a	Burundi	n/a	n/a	n/a	
47	Belgium (2013)	2.05	11.86	0.57		n/a	Cameroon	n/a	n/a	n/a	
48	Colombia (2012)	2.00	11.57	0.56		n/a	China	n/a	n/a	n/a	
49	Kenya	1.80	10.41	0.55		n/a	Côte d'Ivoire	n/a	n/a	n/a	
50	Kazakhstan (2012)	1.71	9.89	0.54		n/a	Ecuador	n/a	n/a	n/a	
51	Qatar	1.70	9.83	0.53		n/a	Honduras	n/a	n/a	n/a	
52	Moldova, Rep. (2009)	1.63	9.43	0.52		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
53	Serbia	1.62	9.37	0.51		n/a	Kuwait	n/a	n/a	n/a	
54	Morocco	1.54	8.91	0.50		n/a	Lebanon	n/a	n/a	n/a	
55	Armenia	1.52	8.79	0.48		n/a	Mali	n/a	n/a	n/a	
55	Tunisia (2013)	1.52	8.79	0.48		n/a	Mozambique	n/a	n/a	n/a	
57	Rwanda	1.49	8.62	0.47		n/a	Nicaragua	n/a	n/a	n/a	
58	United Arab Emirates (2012)	1.38	7.98	0.46		n/a	Paraguay	n/a	n/a	n/a	
59	Zambia	1.33	7.69	0.45		n/a	Saudi Arabia	n/a	n/a	n/a	
60	Germany (2013)	1.29	7.46	0.44	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a	
61	Canada	1.28	7.40	0.43	○	n/a	United States of America	n/a	n/a	n/a	
62	Dominican Republic	1.20	6.93	0.42		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
63	Uganda (2012)	1.17	6.76	0.42		n/a	Viet Nam	n/a	n/a	n/a	
64	Turkey	1.13	6.53	0.41		n/a	Yemen	n/a	n/a	n/a	

SOURCE: World Bank, *Doing Business 2016, Entrepreneurship*

NOTE: ● indicates a strength; ○ a weakness

6.2.3 Total computer software spending

Total computer software spending (% of GDP) | 2015

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	United States of America	1.06	100.00	1.00	●	65	Ecuador	0.23	13.57	0.11	
2	Canada	0.80	73.05	0.99	●	66	Bolivia, Plurinational St.	0.23	13.15	0.10	
3	Switzerland	0.76	68.31	0.97	●	67	Mexico	0.23	13.14	0.08	○
4	Ireland	0.74	66.65	0.96	●	68	Kenya	0.20	10.42	0.07	○
5	Belgium	0.65	57.46	0.94	●	69	Argentina	0.20	10.20	0.06	○
6	Spain	0.65	56.99	0.93	●	70	Venezuela, Bolivarian Rep.	0.19	9.09	0.04	
7	Netherlands	0.64	56.57	0.92		71	Cameroon	0.17	7.11	0.03	○
8	United Kingdom	0.63	55.58	0.90		72	Bangladesh	0.17	6.83	0.01	○
9	Turkey	0.63	55.40	0.89	●	73	Nigeria	0.11	0.00	0.00	○
10	Portugal	0.63	55.13	0.88		n/a	Albania	n/a	n/a	n/a	
11	Denmark	0.61	53.53	0.86		n/a	Algeria	n/a	n/a	n/a	
12	France	0.61	53.48	0.85		n/a	Armenia	n/a	n/a	n/a	
13	Greece	0.60	52.26	0.83		n/a	Azerbaijan	n/a	n/a	n/a	
14	Austria	0.60	51.72	0.82		n/a	Belarus	n/a	n/a	n/a	
15	Norway	0.60	51.53	0.81		n/a	Benin	n/a	n/a	n/a	
16	Italy	0.59	51.27	0.79		n/a	Bhutan	n/a	n/a	n/a	
17	Sweden	0.59	51.07	0.78		n/a	Bosnia and Herzegovina	n/a	n/a	n/a	
18	Finland	0.57	48.35	0.76		n/a	Botswana	n/a	n/a	n/a	
19	Germany	0.55	46.45	0.75		n/a	Burkina Faso	n/a	n/a	n/a	
20	Ukraine	0.45	36.18	0.74		n/a	Burundi	n/a	n/a	n/a	
21	Malaysia	0.40	31.43	0.72		n/a	Cambodia	n/a	n/a	n/a	
22	Hong Kong (China)	0.37	28.21	0.71		n/a	Côte d'Ivoire	n/a	n/a	n/a	
23	China	0.37	27.69	0.69		n/a	Croatia	n/a	n/a	n/a	
24	Singapore	0.37	27.37	0.68		n/a	Cyprus	n/a	n/a	n/a	
25	South Africa	0.35	26.17	0.67		n/a	Dominican Republic	n/a	n/a	n/a	
26	Jamaica	0.35	25.29	0.65	●	n/a	El Salvador	n/a	n/a	n/a	
27	Bahrain	0.34	24.49	0.64		n/a	Estonia	n/a	n/a	n/a	
28	Sri Lanka	0.34	24.32	0.63		n/a	Ethiopia	n/a	n/a	n/a	
29	Saudi Arabia	0.33	23.72	0.61		n/a	Georgia	n/a	n/a	n/a	
30	Kuwait	0.32	23.01	0.60		n/a	Ghana	n/a	n/a	n/a	
31	Thailand	0.32	22.82	0.58		n/a	Guatemala	n/a	n/a	n/a	
32	Indonesia	0.32	22.57	0.57		n/a	Guinea	n/a	n/a	n/a	
33	Viet Nam	0.32	22.46	0.56		n/a	Iceland	n/a	n/a	n/a	
34	New Zealand	0.32	22.29	0.54		n/a	Kazakhstan	n/a	n/a	n/a	
35	Korea, Rep.	0.31	21.42	0.53		n/a	Kyrgyzstan	n/a	n/a	n/a	
36	Tunisia	0.31	21.25	0.51		n/a	Latvia	n/a	n/a	n/a	
37	Japan	0.30	20.67	0.50		n/a	Lebanon	n/a	n/a	n/a	
38	Czech Republic	0.30	20.67	0.49		n/a	Lithuania	n/a	n/a	n/a	
39	Australia	0.30	20.63	0.47		n/a	Luxembourg	n/a	n/a	n/a	
40	Slovakia	0.30	20.52	0.46		n/a	Madagascar	n/a	n/a	n/a	
41	Romania	0.30	20.47	0.44		n/a	Malawi	n/a	n/a	n/a	
42	Israel	0.30	20.32	0.43		n/a	Mali	n/a	n/a	n/a	
43	Bulgaria	0.30	20.04	0.42		n/a	Malta	n/a	n/a	n/a	
44	Chile	0.29	19.54	0.40		n/a	Mauritius	n/a	n/a	n/a	
45	Hungary	0.29	19.52	0.39	○	n/a	Moldova, Rep.	n/a	n/a	n/a	
46	Costa Rica	0.29	18.91	0.38		n/a	Mongolia	n/a	n/a	n/a	
47	Senegal	0.28	18.73	0.36		n/a	Montenegro	n/a	n/a	n/a	
48	Pakistan	0.28	18.69	0.35		n/a	Mozambique	n/a	n/a	n/a	
49	Jordan	0.28	18.32	0.33		n/a	Namibia	n/a	n/a	n/a	
50	Honduras	0.28	18.19	0.32		n/a	Nepal	n/a	n/a	n/a	
51	Poland	0.28	17.88	0.31	○	n/a	Nicaragua	n/a	n/a	n/a	
52	Russian Federation	0.27	16.93	0.29		n/a	Niger	n/a	n/a	n/a	
53	Philippines	0.26	16.71	0.28		n/a	Oman	n/a	n/a	n/a	
54	Peru	0.26	16.68	0.26		n/a	Paraguay	n/a	n/a	n/a	
55	Brazil	0.26	16.46	0.25		n/a	Rwanda	n/a	n/a	n/a	
56	Morocco	0.26	16.12	0.24		n/a	Serbia	n/a	n/a	n/a	
57	United Arab Emirates	0.26	16.08	0.22	○	n/a	Slovenia	n/a	n/a	n/a	
58	Colombia	0.25	15.02	0.21		n/a	Tajikistan	n/a	n/a	n/a	
59	Egypt	0.25	14.96	0.19		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
60	Uruguay	0.24	14.59	0.18		n/a	TFYR of Macedonia	n/a	n/a	n/a	
61	Qatar	0.24	14.23	0.17		n/a	Togo	n/a	n/a	n/a	
62	India	0.24	14.09	0.15		n/a	Uganda	n/a	n/a	n/a	
63	Panama	0.24	14.07	0.14		n/a	Yemen	n/a	n/a	n/a	
64	Iran, Islamic Rep.	0.24	14.05	0.13		n/a	Zambia	n/a	n/a	n/a	

SOURCE: IHS Global Insight, *Information and Communication Technology Database*; International Monetary Fund, *World Economic Outlook Database*, 2015 (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) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Italy	79.12	100.00	0.99	●	65	Paraguay	4.60	9.54	0.50	●
1	Romania	48.21	100.00	0.99	●	66	El Salvador	4.59	9.52	0.49	
3	Bulgaria	44.38	92.06	0.98	●	67	Kenya	4.25	8.81	0.48	
4	Czech Republic	41.88	86.87	0.98	●	68	Jordan	3.70	7.68	0.47	
5	Malta	33.00	68.45	0.97	●	69	Mexico	3.68	7.63	0.46	
6	Israel	32.56	67.54	0.96	●	70	Costa Rica	3.54	7.34	0.46	
7	Croatia	31.63	65.62	0.95	●	71	Ukraine	3.53	7.31	0.45	
8	Slovakia	30.05	62.34	0.94	●	72	Georgia	3.44	7.13	0.44	
9	Portugal	28.45	59.02	0.94	●	73	Sri Lanka	3.33	6.90	0.43	
10	Hungary	28.04	58.15	0.93	●	74	Oman	3.28	6.81	0.43	
11	Estonia	27.95	57.97	0.92	●	75	Russian Federation	3.16	6.55	0.42	
12	Serbia	27.51	57.07	0.91	●	76	Morocco	3.14	6.52	0.41	
13	Slovenia	27.16	56.34	0.91	●	77	Bolivia, Plurinational St.	2.93	6.08	0.40	
14	Switzerland	23.68	49.12	0.90		78	Peru	2.89	5.99	0.39	
15	Spain	22.90	47.50	0.89	●	79	Pakistan	2.84	5.89	0.39	
16	Colombia	22.63	46.94	0.88	●	80	Indonesia	2.82	5.86	0.38	
17	Bosnia and Herzegovina	22.09	45.83	0.87	●	81	Luxembourg	2.79	5.80	0.37	
18	Latvia	20.70	42.93	0.87	●	82	Benin	2.32	4.80	0.36	
19	Greece	19.09	39.59	0.86	●	83	Philippines	2.31	4.79	0.35	
20	China	18.95	39.31	0.85		84	Egypt	2.28	4.73	0.35	
21	Australia	17.94	37.21	0.84		85	Madagascar	2.14	4.45	0.34	
22	Belarus	17.15	35.58	0.83	●	86	Qatar	2.07	4.30	0.33	
23	TFYR of Macedonia	16.09	33.37	0.83	●	87	Iran, Islamic Rep.	1.98	4.10	0.32	
24	United Kingdom	15.65	32.45	0.82		88	United States of America	1.90	3.95	0.31	○
25	Lithuania	15.24	31.61	0.81		89	Panama	1.86	3.86	0.31	
26	Malaysia	14.93	30.97	0.80		90	Saudi Arabia	1.86	3.86	0.30	
27	Germany	14.77	30.64	0.80		91	Guatemala	1.81	3.76	0.29	
28	Montenegro	13.79	28.60	0.79	●	92	Côte d'Ivoire	1.77	3.68	0.28	
29	Uruguay	12.99	26.94	0.78	●	93	Senegal	1.73	3.58	0.28	
30	Netherlands	12.90	26.76	0.77		94	Namibia	1.66	3.45	0.27	
31	Singapore	12.72	26.38	0.76		95	Nicaragua	1.65	3.42	0.26	
32	Finland	11.95	24.79	0.76		96	Burkina Faso	1.50	3.10	0.25	
33	France	11.24	23.31	0.75		97	Azerbaijan	1.47	3.05	0.24	
34	Sweden	11.09	23.01	0.74		98	Nepal	1.44	3.00	0.24	
35	Chile	10.99	22.79	0.73		99	Mozambique	1.44	2.99	0.23	
36	Austria	10.62	22.02	0.72		100	Uganda	1.39	2.87	0.22	
37	Cyprus	10.03	20.81	0.72		101	Dominican Republic	1.31	2.71	0.21	
38	Poland	10.01	20.76	0.71		102	Kazakhstan	1.20	2.48	0.20	
39	Japan	9.60	19.92	0.70		103	Bhutan	1.19	2.47	0.20	
40	Mauritius	9.44	19.57	0.69		104	Kuwait	1.10	2.28	0.19	
41	Lebanon	9.17	19.03	0.69		105	Venezuela, Bolivarian Rep.	1.05	2.17	0.18	
42	Ireland	8.74	18.14	0.68		106	Jamaica	0.91	1.89	0.17	○
43	Thailand	8.43	17.49	0.67		107	Togo	0.89	1.84	0.17	
44	New Zealand	8.02	16.64	0.66		108	Cameroon	0.83	1.71	0.16	
45	Belgium	7.58	15.73	0.65		109	Algeria	0.82	1.71	0.15	
46	Ecuador	7.44	15.43	0.65	●	110	Malawi	0.77	1.59	0.14	
47	Viet Nam	7.39	15.32	0.64		111	Zambia	0.77	1.59	0.13	
48	United Arab Emirates	7.14	14.81	0.63		112	Bangladesh	0.70	1.45	0.13	
49	Argentina	7.11	14.75	0.62		113	Armenia	0.66	1.36	0.12	○
50	Moldova, Rep.	6.92	14.35	0.61		114	Tanzania, United Rep.	0.62	1.28	0.11	
51	Norway	6.86	14.24	0.61		115	Guinea	0.59	1.23	0.10	
52	Denmark	6.75	14.00	0.60		116	Ethiopia	0.57	1.17	0.09	
53	Korea, Rep.	6.63	13.76	0.59		117	Cambodia	0.56	1.16	0.09	○
54	Canada	6.03	12.51	0.58		118	Mongolia	0.54	1.13	0.08	○
55	Turkey	5.92	12.28	0.57		119	Ghana	0.54	1.13	0.07	○
56	Hong Kong (China)	5.73	11.89	0.57		120	Botswana	0.53	1.10	0.06	○
57	Tunisia	5.63	11.67	0.56		121	Niger	0.44	0.92	0.06	
58	Brazil	5.56	11.52	0.55		122	Yemen	0.37	0.78	0.05	
59	India	5.53	11.48	0.54		123	Rwanda	0.32	0.66	0.04	○
60	Albania	5.41	11.23	0.54		124	Kyrgyzstan	0.21	0.43	0.03	○
61	South Africa	5.35	11.09	0.53		125	Mali	0.18	0.38	0.02	○
62	Bahrain	4.99	10.34	0.52		126	Tajikistan	0.18	0.37	0.02	○
63	Iceland	4.74	9.84	0.51		127	Nigeria	0.17	0.35	0.01	○
64	Honduras	4.64	9.62	0.50		128	Burundi	0.00	0.00	0.00	○

SOURCE: International Organization for Standardization, *The ISO Survey of Management System Standard Certifications, 2014*; 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) | 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	69.25	100.00	1.00	●	65	Paraguay (2010)	15.04	20.72	0.34	
2	Switzerland	66.06	95.33	0.99	●	66	New Zealand (2010)	14.80	20.37	0.33	○
3	Slovakia	57.93	83.44	0.98	●	67	Kuwait	14.29	19.62	0.32	
4	Ireland (2011)	57.61	82.97	0.97	●	68	Ecuador (2008)	13.96	19.15	0.31	
5	Korea, Rep.	57.19	82.35	0.96		69	Cyprus	13.78	18.88	0.30	
6	Hungary	56.18	80.89	0.95	●	70	Uruguay (2010)	12.87	17.55	0.29	
7	Germany	54.68	78.69	0.94		71	Greece	12.14	16.48	0.28	○
8	Japan	51.81	74.50	0.93		72	Georgia	12.05	16.35	0.27	
9	Slovenia	47.97	68.88	0.92	●	73	Costa Rica	11.75	15.91	0.26	
10	Sweden	47.27	67.86	0.91		74	Bosnia and Herzegovina (2011)	11.06	14.90	0.25	
11	Denmark	44.12	63.25	0.90		75	Ethiopia (2009)	10.87	14.62	0.24	
12	Philippines (2010)	44.03	63.12	0.89	●	76	Azerbaijan	10.36	13.87	0.23	
13	France	43.87	62.88	0.88		77	Tanzania, United Rep. (2010)	10.01	13.37	0.22	
14	Mexico (2011)	43.70	62.63	0.87	●	78	Bahrain (2010)	9.93	13.25	0.21	
15	United States of America (2008)	43.27	62.00	0.86		79	Bangladesh (2011)	9.74	12.97	0.20	
16	Austria	43.25	61.97	0.85		80	Peru (2011)	9.25	12.25	0.19	○
17	Czech Republic	43.24	61.97	0.84		81	Moldova, Rep.	9.03	11.94	0.18	○
18	China (2011)	43.13	61.80	0.82		82	Kenya	8.75	11.53	0.16	
19	Norway	42.85	61.39	0.81		83	Malawi (2010)	8.62	11.34	0.15	
20	Thailand (2011)	42.27	60.55	0.80		84	Mauritius	8.16	10.66	0.14	○
21	United Kingdom	41.38	59.24	0.79		85	Iceland (2006)	7.13	9.16	0.13	○
22	Netherlands	41.03	58.73	0.78		86	Nepal (2011)	6.72	8.55	0.12	
23	Brazil	38.66	55.27	0.77	●	87	Luxembourg	6.50	8.23	0.11	○
24	Estonia	38.65	55.24	0.76		88	Sri Lanka (2011)	6.26	7.88	0.10	○
25	Italy	37.63	53.76	0.75		89	Tajikistan	5.81	7.22	0.09	
26	Malaysia	37.40	53.41	0.74		90	Mongolia (2011)	5.53	6.81	0.08	○
27	Oman	36.70	52.40	0.73	●	91	Cameroon (2008)	5.13	6.24	0.07	
28	Saudi Arabia (2009)	35.85	51.15	0.72		92	Namibia	4.90	5.89	0.06	○
29	Finland	34.91	49.78	0.71		93	Armenia	4.33	5.06	0.05	○
30	Romania	34.91	49.78	0.70		94	Kyrgyzstan (2010)	3.26	3.49	0.04	○
31	Spain	34.44	49.09	0.69		95	Madagascar (2006)	2.42	2.26	0.03	○
32	Belgium	34.37	49.00	0.68		96	Yemen (2009)	1.88	1.47	0.02	
33	Iran, Islamic Rep. (2011)	33.77	48.11	0.67	●	97	Burundi (2010)	1.84	1.42	0.01	
34	Poland	33.13	47.18	0.66		98	Albania	0.87	0.00	0.00	○
35	Tunisia (2007)	32.43	46.15	0.65		n/a	Argentina	n/a	n/a	n/a	
36	India (2011)	31.71	45.10	0.64		n/a	Benin	n/a	n/a	n/a	
37	Belarus (2011)	31.35	44.58	0.63		n/a	Bhutan	n/a	n/a	n/a	
38	Indonesia (2011)	30.88	43.88	0.62		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
39	Canada	29.38	41.69	0.61		n/a	Botswana	n/a	n/a	n/a	
40	Algeria (2010)	29.07	41.24	0.60	●	n/a	Burkina Faso	n/a	n/a	n/a	
41	Israel (2011)	29.02	41.17	0.59		n/a	Cambodia	n/a	n/a	n/a	
42	South Africa (2010)	28.24	40.03	0.58		n/a	Chile	n/a	n/a	n/a	
43	Turkey (2009)	28.16	39.91	0.57		n/a	Côte d'Ivoire	n/a	n/a	n/a	
44	Morocco	27.22	38.54	0.56		n/a	Croatia	n/a	n/a	n/a	
45	Ukraine	26.49	37.47	0.55		n/a	Dominican Republic	n/a	n/a	n/a	
46	Russian Federation	26.28	37.16	0.54		n/a	El Salvador	n/a	n/a	n/a	
47	Portugal	26.21	37.05	0.53		n/a	Ghana	n/a	n/a	n/a	
48	Viet Nam (2008)	26.17	36.99	0.52		n/a	Guatemala	n/a	n/a	n/a	
49	Australia	24.77	34.95	0.51		n/a	Guinea	n/a	n/a	n/a	
50	Malta (2010)	24.49	34.53	0.49		n/a	Honduras	n/a	n/a	n/a	
51	Pakistan (2006)	23.71	33.40	0.48	●	n/a	Jamaica	n/a	n/a	n/a	
52	Hong Kong (China)	22.03	30.95	0.47		n/a	Mali	n/a	n/a	n/a	
53	Lebanon (2007)	22.00	30.90	0.46		n/a	Montenegro	n/a	n/a	n/a	
54	Egypt (2010)	21.45	30.10	0.45		n/a	Mozambique	n/a	n/a	n/a	
55	Serbia	20.97	29.39	0.44		n/a	Nicaragua	n/a	n/a	n/a	
56	Qatar (2010)	20.78	29.11	0.43		n/a	Niger	n/a	n/a	n/a	
57	Jordan	20.35	28.49	0.42		n/a	Nigeria	n/a	n/a	n/a	
58	Colombia	20.03	28.02	0.41		n/a	Panama	n/a	n/a	n/a	
59	Lithuania	19.82	27.71	0.40		n/a	Rwanda	n/a	n/a	n/a	
60	TFYR of Macedonia (2011)	19.58	27.36	0.39		n/a	Togo	n/a	n/a	n/a	
61	Bulgaria	19.10	26.66	0.38		n/a	Uganda	n/a	n/a	n/a	
62	Senegal	16.60	23.00	0.37		n/a	United Arab Emirates	n/a	n/a	n/a	
63	Kazakhstan	16.53	22.89	0.36		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
64	Latvia	15.64	21.60	0.35		n/a	Zambia	n/a	n/a	n/a	

SOURCE: United Nations Industrial Development Organization *Industrial Statistics Database* INDSTAT4 2012; OECD 'ISIC REV. 3 Technology Intensity Def.' (2006–12)

NOTE: ● indicates a strength; ○ a weakness

6.3.1 Intellectual property receipts

Charges for use of intellectual property n.i.e., receipts (% of total trade) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland (2013)	3.16	100.00	0.95	●	65	Senegal (2013)	0.03	1.48	0.37	
1	Ireland	2.14	100.00	0.95	●	66	Panama	0.03	1.43	0.36	
1	Japan	3.98	100.00	0.95	●	67	Pakistan	0.03	1.42	0.35	
1	Sweden	3.68	100.00	0.95	●	68	Kyrgyzstan	0.03	1.41	0.34	
1	Switzerland	4.13	100.00	0.95	●	69	Cyprus	0.03	1.41	0.33	
1	United States of America	5.10	100.00	0.95	●	70	Slovakia	0.03	1.38	0.32	○
7	Malta	2.12	98.94	0.94		71	Indonesia	0.03	1.38	0.31	
8	Rwanda (2011)	2.02	94.46	0.93	●	72	China	0.03	1.35	0.30	
9	Iceland	1.91	89.08	0.92		73	Latvia	0.03	1.31	0.29	○
10	Hungary	1.79	83.50	0.91	●	74	Malaysia	0.03	1.30	0.28	○
11	United Kingdom	1.75	81.95	0.90		75	Cambodia	0.03	1.26	0.27	
12	Denmark	1.44	67.08	0.89		76	Costa Rica	0.02	1.13	0.26	
13	France	1.43	66.62	0.88		77	Mexico	0.02	1.05	0.25	
14	Germany	0.82	38.29	0.87		78	Burkina Faso (2013)	0.02	0.95	0.25	
15	Luxembourg	0.80	37.57	0.86		79	Georgia	0.02	0.94	0.24	
16	Korea, Rep.	0.75	35.11	0.85		80	Tajikistan	0.02	0.84	0.23	
17	Belgium	0.72	33.73	0.84		81	Peru (2013)	0.02	0.82	0.22	
18	Canada	0.69	32.36	0.83		82	Albania	0.01	0.68	0.21	
19	Italy	0.60	28.13	0.82		83	Iran, Islamic Rep. (2013)	0.01	0.60	0.20	
20	Singapore	0.58	27.25	0.81		84	Philippines	0.01	0.58	0.19	
21	New Zealand	0.58	26.90	0.80		85	Burundi (2013)	0.01	0.42	0.18	
22	Israel (2013)	0.55	25.87	0.79		86	Uruguay	0.01	0.29	0.17	○
23	Austria	0.47	22.14	0.78		87	Guinea (2008)	0.01	0.29	0.16	
24	Madagascar (2013)	0.46	21.27	0.77	●	88	Mozambique (2013)	0.00	0.23	0.15	
25	Yemen (2009)	0.40	18.51	0.76	●	89	Ethiopia (2010)	0.00	0.16	0.14	
26	Kenya	0.39	18.26	0.75	●	90	Mali (2012)	0.00	0.15	0.13	
27	Czech Republic	0.30	13.96	0.75		91	Morocco (2013)	0.00	0.12	0.12	○
28	Australia	0.30	13.87	0.74		92	Kazakhstan	0.00	0.12	0.11	○
29	Egypt (2007)	0.25	11.80	0.73	●	93	Cameroon (2013)	0.00	0.11	0.10	
30	El Salvador	0.22	10.32	0.72	●	94	Bangladesh (2013)	0.00	0.06	0.09	
31	Norway	0.21	9.79	0.71		95	Botswana (2013)	0.00	0.05	0.08	○
32	Uganda	0.20	9.20	0.70	●	96	Algeria (2013)	0.00	0.05	0.07	
33	Slovenia	0.19	8.89	0.69		97	Togo (2010)	0.00	0.04	0.06	
34	Serbia	0.19	8.73	0.68		98	Bhutan	0.00	0.03	0.05	
35	Ukraine	0.17	8.16	0.67		99	Niger (2007)	0.00	0.01	0.04	
36	Romania	0.17	7.86	0.66		100	Namibia (2013)	0.00	0.01	0.03	○
37	Moldova, Rep.	0.16	7.64	0.65		101	Azerbaijan (2012)	0.00	0.00	0.02	○
38	TFYR of Macedonia	0.16	7.62	0.64		102	Benin (2010)	0.00	0.00	0.01	○
39	Bosnia and Herzegovina	0.16	7.43	0.63		103	Tanzania, United Rep. (2013)	0.00	0.00	0.00	○
40	Argentina	0.16	7.36	0.62		n/a	Armenia	n/a	n/a	n/a	
41	Greece	0.15	7.15	0.61		n/a	Bahrain	n/a	n/a	n/a	
42	Bolivia, Plurinational St.	0.14	6.69	0.60	●	n/a	Côte d'Ivoire	n/a	n/a	n/a	
43	Russian Federation	0.13	6.14	0.59		n/a	Dominican Republic	n/a	n/a	n/a	
44	Brazil	0.13	6.03	0.58		n/a	Ecuador	n/a	n/a	n/a	
45	India	0.13	5.93	0.57		n/a	Ghana	n/a	n/a	n/a	
46	Poland	0.12	5.70	0.56		n/a	Honduras	n/a	n/a	n/a	
47	Jamaica	0.11	5.07	0.55		n/a	Jordan	n/a	n/a	n/a	
48	Portugal	0.11	4.94	0.54		n/a	Kuwait	n/a	n/a	n/a	
49	Tunisia (2013)	0.10	4.90	0.53		n/a	Malawi	n/a	n/a	n/a	
50	South Africa	0.10	4.85	0.52		n/a	Nepal	n/a	n/a	n/a	
51	Hong Kong (China) (2013)	0.09	4.39	0.51		n/a	Netherlands	n/a	n/a	n/a	
52	Guatemala	0.09	4.34	0.50		n/a	Nicaragua	n/a	n/a	n/a	
53	Belarus	0.09	4.14	0.49		n/a	Nigeria	n/a	n/a	n/a	
54	Bulgaria	0.09	4.12	0.48		n/a	Oman	n/a	n/a	n/a	
55	Chile (2013)	0.09	4.00	0.47		n/a	Paraguay	n/a	n/a	n/a	
56	Colombia	0.08	3.79	0.46		n/a	Qatar	n/a	n/a	n/a	
57	Thailand	0.08	3.72	0.45		n/a	Saudi Arabia	n/a	n/a	n/a	
58	Croatia	0.08	3.62	0.44		n/a	Spain	n/a	n/a	n/a	
59	Lebanon	0.07	3.34	0.43		n/a	Sri Lanka	n/a	n/a	n/a	
60	Lithuania	0.07	3.09	0.42		n/a	Turkey	n/a	n/a	n/a	
61	Montenegro	0.05	2.31	0.41		n/a	United Arab Emirates	n/a	n/a	n/a	
62	Estonia	0.04	1.91	0.40	○	n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
63	Mongolia	0.04	1.74	0.39		n/a	Viet Nam	n/a	n/a	n/a	
64	Mauritius	0.03	1.62	0.38		n/a	Zambia	n/a	n/a	n/a	

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) | 2014

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Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	China	28.02	100.00	0.98	●	65	Chile	0.87	3.25	0.47	
1	Malaysia	28.25	100.00	0.98	●	66	Cambodia (2013)	0.73	2.71	0.46	
1	Singapore	26.85	100.00	0.98	●	67	Senegal	0.70	2.60	0.45	
4	Viet Nam	22.51	83.86	0.98	●	68	Pakistan	0.67	2.51	0.44	
5	Korea, Rep.	21.76	81.05	0.97		69	Luxembourg	0.63	2.34	0.43	
6	Costa Rica (2013)	19.07	71.05	0.96	●	70	Moldova, Rep.	0.61	2.28	0.43	
7	Panama (2011)	18.27	68.07	0.95	●	71	Kenya (2013)	0.56	2.08	0.42	
8	Czech Republic	16.28	60.63	0.94	●	72	Iran, Islamic Rep. (2011)	0.53	1.98	0.41	
9	Mexico	14.76	54.99	0.93	●	73	Mozambique	0.53	1.98	0.40	
10	Thailand	14.43	53.74	0.93	●	74	Honduras	0.53	1.96	0.39	
11	Switzerland	14.16	52.75	0.92		75	Mongolia	0.52	1.94	0.38	
12	France	13.88	51.71	0.91		76	Oman	0.49	1.82	0.38	
13	Hungary	13.18	49.11	0.90	●	77	Cyprus	0.48	1.79	0.37	
14	Netherlands	13.12	48.87	0.89		78	Jordan	0.47	1.75	0.36	
15	Germany	13.02	48.49	0.88		79	Paraguay	0.46	1.72	0.35	
16	Israel	12.92	48.12	0.88		80	Peru	0.44	1.65	0.34	
17	Estonia	12.47	46.45	0.87		81	Malawi	0.44	1.64	0.33	
18	Japan	11.61	43.26	0.86		82	Rwanda	0.40	1.48	0.33	
19	Belgium	10.05	37.43	0.85		83	Kyrgyzstan (2013)	0.36	1.33	0.32	
20	Austria	9.45	35.20	0.84		84	Sri Lanka	0.35	1.31	0.31	
21	Slovakia	9.22	34.33	0.83	●	85	Burkina Faso	0.35	1.30	0.30	
22	Ireland	9.14	34.06	0.83		86	Ghana (2013)	0.33	1.22	0.29	
23	United Kingdom	8.94	33.29	0.82		87	Georgia	0.31	1.17	0.28	
24	Sweden	8.81	32.81	0.81		88	Cameroon	0.31	1.16	0.28	
25	Latvia	7.02	26.15	0.80		89	Egypt	0.28	1.06	0.27	
26	United States of America	6.82	25.41	0.79		90	Ecuador	0.26	0.98	0.26	
27	Poland	6.56	24.45	0.78		91	Tanzania, United Rep.	0.25	0.94	0.25	
28	Denmark	6.13	22.84	0.78		92	Bolivia, Plurinational St.	0.25	0.93	0.24	
29	Canada	6.02	22.44	0.77		93	Bahrain	0.24	0.88	0.23	
30	Malta	5.69	21.20	0.76		94	Botswana	0.22	0.80	0.23	
31	Italy	5.52	20.55	0.75		95	Armenia	0.21	0.80	0.22	
32	Lithuania	5.29	19.69	0.74		96	Ethiopia	0.21	0.78	0.21	
33	Finland	5.04	18.77	0.73		97	Zambia	0.20	0.74	0.20	
34	Kazakhstan	4.76	17.73	0.73		98	Lebanon	0.19	0.71	0.19	
35	Slovenia	4.49	16.73	0.72		99	Uganda	0.18	0.66	0.18	
36	Spain	3.77	14.06	0.71		100	Nigeria	0.17	0.63	0.18	
37	India	3.53	13.16	0.70		101	Nicaragua	0.17	0.62	0.17	
38	Croatia	3.50	13.04	0.69		102	Guinea	0.15	0.55	0.16	
39	Tunisia (2013)	3.35	12.47	0.68	●	103	Benin	0.14	0.51	0.15	
40	Norway	3.31	12.33	0.68		104	Bangladesh (2011)	0.13	0.49	0.14	
41	Indonesia	3.26	12.15	0.67		105	Azerbaijan	0.13	0.49	0.13	
42	Brazil	3.03	11.29	0.66		106	Madagascar	0.12	0.44	0.13	
43	Bulgaria	3.02	11.24	0.65		107	Hong Kong (China) (2013)	0.11	0.42	0.12	○
44	Niger	3.00	11.16	0.64	●	108	Mali (2012)	0.11	0.41	0.11	
45	Ukraine	2.95	10.98	0.63		109	Saudi Arabia (2013)	0.10	0.37	0.10	○
46	El Salvador	2.59	9.65	0.63	●	110	Nepal	0.09	0.34	0.09	
47	Portugal	2.52	9.40	0.62		111	United Arab Emirates (2008)	0.09	0.34	0.08	○
48	South Africa	2.49	9.29	0.61		112	Burundi	0.08	0.28	0.08	
49	Côte d'Ivoire	2.07	7.70	0.60	●	113	Jamaica	0.06	0.22	0.07	○
50	TFYR of Macedonia	2.06	7.66	0.59		114	Togo (2013)	0.04	0.16	0.06	
51	Russian Federation	2.06	7.66	0.58		115	Albania	0.04	0.14	0.05	
52	Greece	1.88	7.00	0.58		116	Yemen	0.01	0.05	0.04	
53	Australia	1.81	6.75	0.57		117	Kuwait	0.01	0.03	0.03	○
54	Argentina	1.78	6.64	0.56		118	Bhutan (2012)	0.01	0.02	0.03	○
55	Namibia	1.61	6.00	0.55		119	Algeria	0.01	0.02	0.02	○
56	Belarus	1.58	5.90	0.54		120	Mauritius	0.00	0.02	0.01	○
57	Iceland	1.40	5.21	0.53		121	Qatar	0.00	0.00	0.00	○
58	Guatemala	1.37	5.09	0.53		n/a	Montenegro	n/a	n/a	n/a	
59	Uruguay	1.28	4.75	0.52		n/a	Morocco	n/a	n/a	n/a	
60	New Zealand	1.27	4.72	0.51		n/a	Philippines	n/a	n/a	n/a	
61	Dominican Republic	1.21	4.50	0.50		n/a	Romania	n/a	n/a	n/a	
62	Turkey	1.18	4.38	0.49		n/a	Serbia	n/a	n/a	n/a	
63	Bosnia and Herzegovina	1.12	4.16	0.48		n/a	Tajikistan	n/a	n/a	n/a	
64	Colombia	1.10	4.09	0.48		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	

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

6.3.3 ICT services exports

Telecommunications, computers, and information services exports (% of total trade) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Costa Rica	10.33	100.00	0.98	●	65	Jamaica	1.55	16.58	0.48	
1	Cyprus	9.13	100.00	0.98	●	66	Rwanda (2013)	1.53	16.35	0.47	
1	India	10.73	100.00	0.98	●	67	Portugal	1.53	16.33	0.46	
1	Ireland	23.17	100.00	0.98	●	68	Norway	1.45	15.47	0.45	○
5	Nepal (2013)	7.54	82.47	0.97	●	69	Italy	1.45	15.46	0.44	
6	Sweden	6.66	72.78	0.96	●	70	Panama	1.38	14.66	0.43	
7	Israel (2013)	6.53	71.41	0.95	●	71	United States of America	1.33	14.13	0.43	○
8	Finland (2013)	5.73	62.52	0.94		72	Cameroon (2013)	1.26	13.36	0.42	●
9	Senegal (2013)	5.23	57.06	0.93	●	73	Dominican Republic (2013)	1.21	12.87	0.41	
10	Luxembourg	4.97	54.23	0.93		74	New Zealand	1.08	11.41	0.40	○
11	Mali (2013)	4.58	49.92	0.92	●	75	Bangladesh (2013)	1.07	11.30	0.39	
12	Philippines	4.46	48.55	0.91	●	76	Malaysia	1.07	11.29	0.39	
13	Kenya	4.27	46.49	0.90	●	77	Bosnia and Herzegovina	1.03	10.84	0.38	
14	Moldova, Rep.	4.26	46.37	0.89	●	78	Slovakia	1.00	10.49	0.37	
15	Tajikistan	3.83	41.72	0.89	●	79	Singapore	0.98	10.31	0.36	○
16	Kuwait	3.82	41.61	0.88	●	80	Malta	0.94	9.90	0.35	○
17	Sri Lanka	3.70	40.26	0.87	●	81	Malawi	0.93	9.75	0.34	
18	Romania	3.66	39.75	0.86	●	82	Côte d'Ivoire (2010)	0.91	9.54	0.34	
19	Yemen (2013)	3.36	36.45	0.85	●	83	Russian Federation	0.89	9.31	0.33	
20	Bahrain (2013)	3.28	35.58	0.84		84	Togo (2013)	0.88	9.19	0.32	
21	Albania	3.21	34.88	0.84	●	85	China	0.86	9.04	0.31	
22	Honduras	3.03	32.90	0.83	●	86	Uganda	0.81	8.49	0.30	
23	Ukraine	3.02	32.80	0.82	●	87	Bolivia, Plurinational St.	0.73	7.51	0.30	
24	Armenia	2.98	32.34	0.81	●	88	Lithuania	0.72	7.41	0.29	○
25	Switzerland	2.95	32.01	0.80		89	Georgia	0.67	6.93	0.28	
26	Serbia	2.94	31.84	0.80	●	90	Australia	0.64	6.55	0.27	○
27	Morocco (2013)	2.91	31.56	0.79	●	91	Chile (2013)	0.62	6.30	0.26	○
28	Austria	2.83	30.67	0.78		92	Indonesia	0.56	5.74	0.25	
29	Burundi (2013)	2.81	30.47	0.77	●	93	Tanzania, United Rep. (2013)	0.56	5.68	0.25	
30	Niger (2013)	2.79	30.18	0.76	●	94	South Africa	0.54	5.46	0.24	○
31	Estonia	2.77	30.03	0.75		95	Brazil	0.50	5.01	0.23	
32	Lebanon	2.72	29.40	0.75	●	96	Mozambique	0.50	4.97	0.22	
33	Guinea (2013)	2.68	29.05	0.74	●	97	Azerbaijan	0.49	4.90	0.21	
34	Benin (2013)	2.62	28.40	0.73	●	98	Kyrgyzstan	0.45	4.46	0.20	
35	Nicaragua	2.61	28.27	0.72	●	99	Hong Kong (China) (2013)	0.43	4.28	0.20	○
36	Belgium	2.59	27.98	0.71		100	Korea, Rep.	0.42	4.15	0.19	○
37	TFYR of Macedonia	2.55	27.54	0.70		101	Cambodia	0.39	3.82	0.18	
38	Mauritius	2.54	27.44	0.70		102	Qatar	0.37	3.58	0.17	
39	United Kingdom	2.47	26.65	0.69		103	Ecuador	0.37	3.57	0.16	
40	Iceland	2.39	25.88	0.68		104	Japan	0.35	3.33	0.16	○
41	Bulgaria	2.30	24.84	0.67		105	Peru (2013)	0.34	3.26	0.15	○
42	Guatemala	2.24	24.14	0.66	●	106	Algeria (2013)	0.32	3.02	0.14	
43	Uruguay	2.19	23.65	0.66		107	Colombia	0.30	2.84	0.13	○
44	France	2.11	22.79	0.65		108	Zambia	0.29	2.74	0.12	
45	Montenegro	2.08	22.45	0.64		109	Bhutan	0.29	2.73	0.11	
46	Belarus	2.06	22.23	0.63		110	Botswana (2013)	0.23	2.03	0.11	○
47	Pakistan	2.05	22.06	0.62	●	111	Mongolia	0.23	2.02	0.10	○
48	Latvia	2.03	21.81	0.61		112	Kazakhstan	0.21	1.83	0.09	○
49	El Salvador	1.97	21.21	0.61		113	Thailand	0.20	1.71	0.08	○
50	Croatia	1.94	20.83	0.60		114	Oman	0.19	1.65	0.07	○
51	Denmark	1.87	20.11	0.59		115	Iran, Islamic Rep. (2013)	0.18	1.54	0.07	○
52	Burkina Faso (2013)	1.87	20.11	0.58	●	116	Turkey	0.12	0.86	0.06	○
53	Czech Republic	1.82	19.52	0.57		117	Venezuela, Bolivarian Rep.	0.11	0.73	0.05	
54	Germany	1.78	19.07	0.57		118	Paraguay	0.11	0.69	0.04	○
55	Egypt	1.71	18.36	0.56		119	Viet Nam	0.09	0.51	0.03	○
56	Tunisia (2013)	1.71	18.36	0.55		120	Saudi Arabia	0.07	0.32	0.02	○
57	Argentina	1.71	18.29	0.54		121	Nigeria	0.06	0.23	0.02	○
58	Slovenia	1.68	18.03	0.53		122	Namibia	0.05	0.09	0.01	○
59	Madagascar (2013)	1.65	17.73	0.52		123	Mexico	0.04	0.00	0.00	○
60	Ethiopia (2012)	1.65	17.68	0.52	●	n/a	Ghana	n/a	n/a	n/a	
61	Poland	1.65	17.66	0.51		n/a	Jordan	n/a	n/a	n/a	
62	Hungary	1.64	17.53	0.50		n/a	Netherlands	n/a	n/a	n/a	
63	Greece	1.62	17.31	0.49		n/a	Spain	n/a	n/a	n/a	
64	Canada	1.60	17.15	0.48	○	n/a	United Arab Emirates	n/a	n/a	n/a	

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) | 2014

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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)	53.43	100.00	0.96	●	65	Argentina	0.39	37.87	0.46	
1	Ireland (2013)	15.78	100.00	0.96	●	66	Venezuela, Bolivarian Rep. (2012)	0.38	37.78	0.45	
1	Luxembourg	198.73	100.00	0.96	●	67	Greece	0.36	37.68	0.44	
1	Mauritius	182.10	100.00	0.96	●	68	Slovakia	0.35	37.61	0.43	
1	Singapore	13.21	100.00	0.96	●	69	Nigeria (2012)	0.33	37.51	0.42	
1	Togo (2012)	10.73	100.00	0.96	●	70	Mongolia (2013)	0.33	37.49	0.42	
7	Cyprus	9.93	95.20	0.95	●	71	Senegal (2011)	0.33	37.48	0.41	
8	Hungary	8.38	85.87	0.94	●	72	Lithuania	0.32	37.43	0.40	
9	Kuwait	8.01	83.64	0.93	●	73	Cambodia (2013)	0.30	37.31	0.39	
10	Belgium	4.92	65.07	0.92	●	74	Uganda (2013)	0.24	36.98	0.38	
11	Chile	4.67	63.57	0.92	●	75	Namibia (2013)	0.20	36.72	0.37	
12	Malaysia (2013)	4.02	59.66	0.91		76	Honduras (2013)	0.19	36.67	0.36	
13	Portugal	3.91	58.98	0.90	●	77	Iceland	0.18	36.60	0.36	
14	Sweden	3.62	57.28	0.89		78	Madagascar (2013)	0.15	36.39	0.35	
15	Mozambique (2013)	3.26	55.10	0.88	●	79	Armenia	0.14	36.34	0.34	
16	Qatar	3.21	54.80	0.87	●	80	Egypt	0.09	36.04	0.33	
17	Bahrain (2013)	3.20	54.73	0.86	●	81	Sri Lanka	0.08	36.02	0.32	
18	Estonia	3.17	54.56	0.86		82	Uruguay	0.08	35.97	0.31	
19	Canada	3.16	54.48	0.85		83	Peru (2013)	0.07	35.92	0.31	
20	Germany	3.07	53.94	0.84		84	Pakistan	0.05	35.79	0.30	
21	Russian Federation	3.03	53.72	0.83		85	Jordan (2013)	0.05	35.79	0.29	
22	Lebanon (2013)	2.69	51.68	0.82	●	86	Belarus	0.04	35.77	0.28	
23	Azerbaijan	2.64	51.38	0.81	●	87	Romania	0.04	35.76	0.27	○
24	Japan	2.60	51.13	0.81		88	Mali (2013)	0.03	35.66	0.26	
25	Switzerland	2.57	50.93	0.80		89	Burkina Faso (2010)	0.01	35.55	0.25	
26	Philippines	2.45	50.26	0.79	●	90	Burundi (2013)	0.01	35.54	0.25	
27	Denmark	2.45	50.25	0.78		91	Niger (2012)	0.01	35.54	0.24	
28	Spain	2.28	49.20	0.77		92	Bangladesh	0.00	35.52	0.23	
29	Korea, Rep.	2.17	48.53	0.76		93	Ghana (2013)	0.00	35.52	0.22	
30	Austria	2.07	47.96	0.75		94	Bolivia, Plurinational St. (2011)	0.00	35.51	0.21	
31	United States of America	2.05	47.83	0.75		95	Kyrgyzstan	0.00	35.51	0.20	
32	South Africa	1.99	47.48	0.74		96	Guinea (2013)	0.00	35.50	0.19	
33	Thailand	1.94	47.15	0.73		97	Botswana (2013)	0.00	35.49	0.19	
34	Panama	1.87	46.73	0.72		98	Jamaica	−0.02	35.42	0.18	○
35	Oman (2013)	1.77	46.13	0.71		99	Côte d'Ivoire (2013)	−0.02	35.39	0.17	
36	China (2013)	1.72	45.82	0.70		100	Bosnia and Herzegovina	−0.03	35.33	0.16	
37	Latvia	1.46	44.27	0.69		101	New Zealand (2011)	−0.05	35.19	0.15	○
38	Bulgaria	1.43	44.11	0.69		102	Finland (2013)	−0.10	34.92	0.14	○
39	Norway (2013)	1.38	43.81	0.68		103	Paraguay (2013)	−0.12	34.76	0.14	
40	Italy	1.23	42.92	0.67		104	Slovenia	−0.13	34.75	0.13	○
41	Israel	1.20	42.72	0.66		105	Kenya	−0.13	34.73	0.12	
42	Georgia	1.19	42.64	0.65		106	Algeria (2013)	−0.13	34.73	0.11	
43	Malawi (2012)	1.17	42.57	0.64	●	107	Australia	−0.13	34.72	0.10	○
44	Indonesia	1.17	42.53	0.64		108	Guatemala	−0.27	33.87	0.09	
45	Viet Nam (2013)	1.14	42.37	0.63		109	Croatia (2013)	−0.31	33.63	0.08	○
46	Brazil	1.10	42.10	0.62		110	Poland (2013)	−0.63	31.69	0.08	○
47	France	1.07	41.92	0.61		111	Dominican Republic (2013)	−0.64	31.68	0.07	○
48	Colombia	1.03	41.71	0.60		112	Czech Republic	−0.83	30.49	0.06	○
49	Costa Rica	1.02	41.66	0.59		113	Cameroon (2013)	−1.28	27.80	0.05	○
50	Turkey	0.88	40.81	0.58		114	Tajikistan (2013)	−1.87	24.28	0.04	
51	Kazakhstan (2013)	0.84	40.56	0.58		115	TFYR of Macedonia	−2.15	22.61	0.03	○
52	El Salvador	0.80	40.30	0.57		116	United Kingdom	−2.59	19.95	0.03	○
53	Albania	0.78	40.17	0.56		117	Zambia	−3.61	13.84	0.02	○
54	United Arab Emirates	0.77	40.13	0.55		118	Malta (2013)	−92.89	0.00	0.00	○
55	Serbia (2013)	0.75	40.02	0.54		118	Netherlands	−5.91	0.00	0.00	○
56	Saudi Arabia	0.72	39.85	0.53		n/a	Bhutan	n/a	n/a	n/a	
57	Nicaragua	0.71	39.78	0.53	●	n/a	Ecuador	n/a	n/a	n/a	
58	Montenegro	0.61	39.16	0.52		n/a	Ethiopia	n/a	n/a	n/a	
59	Benin (2012)	0.50	38.49	0.51		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
60	India	0.48	38.36	0.50		n/a	Nepal	n/a	n/a	n/a	
61	Moldova, Rep.	0.43	38.09	0.49		n/a	Rwanda	n/a	n/a	n/a	
62	Ukraine	0.42	38.01	0.48		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
63	Morocco (2013)	0.41	38.00	0.47		n/a	Tunisia	n/a	n/a	n/a	
64	Mexico	0.40	37.92	0.47		n/a	Yemen	n/a	n/a	n/a	

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

Trademark application class count by origin

Number of trademark applications issued to residents at a given national or regional office (per billion PPP\$ GDP) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Moldova, Rep.	179.19	100.00	0.99	●	65	Colombia	31.05	16.79	0.41	
1	Paraguay (2010)	296.27	100.00	0.99	●	66	Norway	30.55	16.50	0.40	○
3	Malta (2013)	132.76	73.92	0.98	●	67	Belarus	30.16	16.29	0.39	
4	Turkey	131.15	73.02	0.97	●	68	South Africa	28.96	15.61	0.38	
5	Luxembourg	126.23	70.25	0.96		69	Philippines	28.84	15.54	0.37	
6	Mongolia	120.42	66.99	0.95	●	70	Serbia	27.81	14.96	0.36	
7	Bulgaria	119.93	66.71	0.94	●	71	Sri Lanka (2013)	27.42	14.74	0.35	
8	China	114.80	63.83	0.94		72	India	27.01	14.51	0.34	
9	Slovenia (2010)	111.57	62.01	0.93	●	73	Thailand	25.73	13.80	0.33	
10	France	106.48	59.16	0.92	●	74	Cambodia	23.56	12.58	0.32	
11	Iceland	105.80	58.78	0.91		75	Pakistan	23.27	12.42	0.31	
12	Portugal	102.09	56.69	0.90	●	76	Azerbaijan	22.20	11.81	0.31	
13	Armenia	99.34	55.15	0.89	●	77	Venezuela, Bolivarian Rep. (2011)	22.12	11.77	0.30	
14	New Zealand	97.26	53.98	0.88		78	United States of America	20.83	11.05	0.29	○
15	Korea, Rep.	92.06	51.06	0.87		79	Malaysia	20.01	10.59	0.28	○
16	Estonia	77.40	42.82	0.86		80	Singapore	20.01	10.58	0.27	○
17	Viet Nam	75.80	41.92	0.85	●	81	Nigeria (2013)	19.84	10.49	0.26	
18	Jamaica	75.11	41.53	0.84	●	82	Yemen	19.42	10.25	0.25	
19	Hong Kong (China)	73.55	40.66	0.83		83	Kyrgyzstan	19.35	10.21	0.24	
20	Switzerland	73.04	40.37	0.82		84	Albania	18.39	9.67	0.23	
21	Costa Rica	71.88	39.72	0.81	●	85	Kazakhstan (2013)	17.77	9.33	0.22	
22	Chile	70.44	38.91	0.81		86	Togo	17.42	9.13	0.21	
23	Slovakia	70.15	38.75	0.80		87	Bosnia and Herzegovina	14.89	7.71	0.20	
24	Ukraine	68.16	37.63	0.79		88	Bangladesh	14.78	7.65	0.19	
25	Cyprus	68.07	37.58	0.78		89	Uganda	14.33	7.40	0.19	
26	Madagascar	66.05	36.44	0.77	●	90	Israel	13.52	6.94	0.18	○
27	Australia	65.40	36.08	0.76		91	Egypt	13.34	6.84	0.17	
28	Germany	65.34	36.05	0.75		92	Senegal	12.87	6.57	0.16	
29	Austria	64.67	35.67	0.74		93	Indonesia	12.85	6.56	0.15	
30	Czech Republic	64.60	35.63	0.73		94	Guinea	12.10	6.14	0.14	
31	Panama	64.53	35.59	0.72		95	Tajikistan (2013)	11.96	6.06	0.13	
32	Ecuador (2010)	63.94	35.26	0.71	●	96	United Arab Emirates	11.33	5.71	0.12	○
33	Spain	58.66	32.29	0.70		97	Benin	10.22	5.09	0.11	
34	Romania	57.99	31.92	0.69		98	Botswana	10.01	4.97	0.10	○
35	Netherlands	56.72	31.20	0.69		99	Côte d'Ivoire	9.71	4.80	0.09	○
36	Morocco	55.47	30.50	0.68		100	Algeria	8.99	4.39	0.08	
37	Croatia	55.13	30.31	0.67		101	Zambia	8.58	4.17	0.07	
38	Latvia	55.04	30.26	0.66		102	Cameroon	7.29	3.44	0.06	
39	Uruguay	53.37	29.32	0.65		103	Bahrain	6.68	3.09	0.06	○
40	Finland	52.26	28.70	0.64		104	Rwanda (2012)	6.67	3.09	0.05	○
41	Sweden	52.23	28.69	0.63		105	Qatar	4.58	1.92	0.04	○
42	United Kingdom	51.49	28.27	0.62	○	106	Mali	3.35	1.22	0.03	○
43	Lithuania	51.02	28.00	0.61		107	Bhutan (2013)	2.95	1.00	0.02	○
44	Canada	50.01	27.43	0.60		108	Burkina Faso	2.82	0.93	0.01	○
45	Honduras	49.87	27.36	0.59		109	Niger	1.17	0.00	0.00	○
46	Italy	49.82	27.33	0.58		n/a	Burundi	n/a	n/a	n/a	
47	Russian Federation	49.76	27.29	0.57		n/a	El Salvador	n/a	n/a	n/a	
48	Peru	49.50	27.15	0.56		n/a	Ethiopia	n/a	n/a	n/a	
49	Denmark	47.63	26.10	0.56	○	n/a	Ghana	n/a	n/a	n/a	
50	Poland	47.54	26.05	0.55		n/a	Greece	n/a	n/a	n/a	
51	Argentina	46.41	25.41	0.54		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
52	Georgia	45.39	24.84	0.53		n/a	Ireland	n/a	n/a	n/a	
53	Dominican Republic	44.40	24.29	0.52		n/a	Kenya	n/a	n/a	n/a	
54	Belgium	42.72	23.34	0.51	○	n/a	Kuwait	n/a	n/a	n/a	
55	Nicaragua (2013)	41.08	22.42	0.50	●	n/a	Lebanon	n/a	n/a	n/a	
56	Japan	40.31	21.99	0.49		n/a	Malawi	n/a	n/a	n/a	
57	Hungary	40.03	21.83	0.48		n/a	Montenegro	n/a	n/a	n/a	
58	Guatemala (2010)	39.25	21.40	0.47		n/a	Mozambique	n/a	n/a	n/a	
59	Brazil	39.05	21.28	0.46		n/a	Namibia	n/a	n/a	n/a	
60	Nepal	37.85	20.60	0.45	●	n/a	Oman	n/a	n/a	n/a	
61	Mexico	37.74	20.54	0.44		n/a	Saudi Arabia	n/a	n/a	n/a	
62	Mauritius (2013)	35.23	19.13	0.44		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
63	Bolivia, Plurinational St.	35.10	19.06	0.43		n/a	TFYR of Macedonia	n/a	n/a	n/a	
64	Jordan	31.95	17.29	0.42		n/a	Tunisia	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

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	China	30.32	100.00	0.97	●	65	Malaysia	1.07	5.63	0.41	
1	Italy	18.52	100.00	0.97	●	66	Belarus	0.99	5.17	0.40	
1	Korea, Rep.	35.36	100.00	0.97	●	67	Indonesia	0.94	4.92	0.39	
1	Turkey	27.22	100.00	0.97	●	68	El Salvador	0.92	4.78	0.39	
5	Germany	18.07	97.60	0.96	●	69	Russian Federation	0.89	4.63	0.38	
6	Moldova, Rep.	17.38	93.85	0.95	●	70	Nigeria (2013)	0.85	4.42	0.37	
7	Bulgaria	14.69	79.32	0.94	●	71	Argentina	0.84	4.36	0.36	
8	Morocco	14.25	76.91	0.94	●	72	India	0.83	4.32	0.35	
9	Spain	13.67	73.77	0.93	●	73	Mexico	0.83	4.28	0.34	
10	Ukraine	13.34	71.98	0.92	●	74	Cambodia	0.74	3.81	0.33	
11	Malta	13.24	71.46	0.91		75	Cameroon	0.60	3.09	0.32	
12	Portugal	12.18	65.70	0.90	●	76	Kenya	0.59	2.99	0.31	
13	Luxembourg	11.25	60.70	0.89		77	Guatemala	0.54	2.75	0.30	
14	Switzerland	9.01	48.59	0.88		78	Canada	0.54	2.73	0.29	○
15	Austria	8.98	48.41	0.87		79	Pakistan	0.54	2.72	0.28	
16	France	8.28	44.60	0.86		80	Zambia	0.47	2.37	0.28	
17	Mongolia	7.37	39.69	0.85	●	81	Mauritius (2013)	0.45	2.24	0.27	
18	Croatia	7.10	38.23	0.84	●	82	Albania	0.44	2.21	0.26	
19	Denmark	6.71	36.14	0.83		83	Colombia	0.42	2.10	0.25	
20	Iran, Islamic Rep.	6.46	34.79	0.83	●	84	Senegal	0.38	1.87	0.24	
21	New Zealand	6.41	34.47	0.82		85	Ecuador (2010)	0.38	1.87	0.23	
22	Slovenia (2011)	6.39	34.39	0.81		86	Bolivia, Plurinational St.	0.37	1.82	0.22	
23	Madagascar	5.96	32.07	0.80	●	87	Azerbaijan (2013)	0.34	1.66	0.21	
24	Czech Republic	5.96	32.05	0.79		88	Nepal (2013)	0.34	1.63	0.20	
25	Finland	5.66	30.43	0.78		89	Botswana	0.33	1.63	0.19	
26	Japan	5.22	28.04	0.77		90	Togo	0.30	1.41	0.18	
27	Sweden	4.99	26.79	0.76		91	Peru	0.28	1.33	0.17	○
28	Guinea	4.30	23.06	0.75	●	92	Uruguay	0.28	1.33	0.17	○
29	Greece	4.27	22.93	0.74		93	Chile	0.27	1.26	0.16	○
30	Estonia	4.19	22.47	0.73		94	Kazakhstan	0.25	1.19	0.15	○
31	Hungary	4.03	21.65	0.72		95	Mali	0.25	1.19	0.14	
32	TFYR of Macedonia (2013)	3.96	21.22	0.72		96	Honduras (2013)	0.21	0.97	0.13	
33	Hong Kong (China)	3.68	19.71	0.71		97	Jordan	0.21	0.97	0.12	○
34	Slovakia	3.61	19.35	0.70		98	Dominican Republic	0.20	0.91	0.11	○
35	Netherlands	3.50	18.75	0.69		99	Bahrain	0.18	0.77	0.10	○
36	Viet Nam	3.39	18.14	0.68		100	Yemen	0.17	0.75	0.09	
37	Latvia	3.14	16.82	0.67		101	Panama	0.17	0.73	0.08	○
38	Cyprus	3.13	16.73	0.66		102	United Arab Emirates	0.15	0.61	0.07	○
39	Romania	3.02	16.15	0.65		103	Saudi Arabia	0.15	0.60	0.06	○
40	Jamaica	2.99	15.98	0.64	●	104	Rwanda	0.11	0.39	0.06	
41	Côte d'Ivoire	2.92	15.59	0.63	●	105	Costa Rica	0.10	0.35	0.05	○
42	Thailand	2.83	15.12	0.62		106	Niger	0.06	0.12	0.04	
43	Belgium	2.78	14.86	0.61		107	Tajikistan (2013)	0.05	0.08	0.03	○
44	Paraguay (2010)	2.73	14.58	0.61	●	108	Ghana (2010)	0.04	0.04	0.02	○
45	Iceland	2.72	14.53	0.60		109	Nicaragua (2013)	0.04	0.01	0.01	○
46	Georgia	2.53	13.52	0.59		110	Burkina Faso	0.03	0.00	0.00	○
47	Kyrgyzstan	2.50	13.32	0.58		n/a	Benin	n/a	n/a	n/a	
48	Australia	2.39	12.75	0.57		n/a	Bhutan	n/a	n/a	n/a	
49	Bangladesh	2.32	12.37	0.56	●	n/a	Burundi	n/a	n/a	n/a	
50	Norway	2.02	10.72	0.55		n/a	Egypt	n/a	n/a	n/a	
51	Lithuania	1.98	10.51	0.54		n/a	Ethiopia	n/a	n/a	n/a	
52	Ireland (2010)	1.90	10.08	0.53	○	n/a	Israel	n/a	n/a	n/a	
53	Singapore	1.80	9.56	0.52	○	n/a	Kuwait	n/a	n/a	n/a	
54	Bosnia and Herzegovina	1.67	8.86	0.51		n/a	Lebanon	n/a	n/a	n/a	
55	Montenegro	1.59	8.42	0.50		n/a	Malawi	n/a	n/a	n/a	
56	Serbia	1.58	8.34	0.50		n/a	Mozambique	n/a	n/a	n/a	
57	Algeria	1.50	7.95	0.49	●	n/a	Namibia	n/a	n/a	n/a	
58	Tunisia	1.31	6.93	0.48		n/a	Oman	n/a	n/a	n/a	
59	Sri Lanka (2013)	1.30	6.85	0.47		n/a	Poland	n/a	n/a	n/a	
60	Armenia	1.27	6.70	0.46		n/a	Qatar	n/a	n/a	n/a	
61	Philippines	1.20	6.28	0.45		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
62	United States of America	1.17	6.15	0.44		n/a	Uganda	n/a	n/a	n/a	
63	Brazil	1.13	5.92	0.43		n/a	United Kingdom	n/a	n/a	n/a	
64	South Africa	1.09	5.72	0.42		n/a	Venezuela, Bolivarian Rep.	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 question: In your country, to what extent do ICTs enable new business models? [1 = not at all; 7 = to a great extent] | 2015

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Finland	5.95	82.46	1.00	●	65	Peru	4.48	57.92	0.48	
2	United Kingdom	5.85	80.88	0.99	●	66	Viet Nam	4.46	57.67	0.47	
3	Qatar	5.81	80.14	0.98	●	67	Jamaica	4.45	57.52	0.46	
4	Netherlands	5.81	80.11	0.98	●	68	Côte d'Ivoire	4.43	57.24	0.45	
5	Luxembourg	5.78	79.70	0.97		69	Cambodia	4.41	56.78	0.44	
6	Singapore	5.77	79.46	0.96		70	Italy	4.40	56.66	0.43	
7	United Arab Emirates	5.74	79.05	0.95	●	71	Kazakhstan	4.39	56.57	0.43	
8	Switzerland	5.70	78.27	0.94		72	Bulgaria	4.39	56.42	0.42	
9	Sweden	5.64	77.29	0.93		73	Cyprus	4.34	55.66	0.41	
10	Malaysia	5.62	77.08	0.93	●	74	Brazil	4.33	55.50	0.40	
11	Estonia	5.62	76.95	0.92		75	Uganda	4.32	55.26	0.39	
12	Ireland	5.60	76.59	0.91		76	Croatia	4.31	55.21	0.39	
13	Norway	5.59	76.52	0.90		77	Iran, Islamic Rep.	4.28	54.73	0.38	
14	United States of America	5.52	75.41	0.89		78	Montenegro	4.25	54.17	0.37	
15	Israel	5.52	75.26	0.89		79	Romania	4.25	54.16	0.36	
16	Portugal	5.51	75.18	0.88		80	Nigeria	4.24	54.00	0.35	
17	Korea, Rep.	5.49	74.79	0.87		81	Poland	4.23	53.87	0.34	○
18	Canada	5.47	74.42	0.86		82	Namibia	4.20	53.30	0.34	
19	New Zealand	5.43	73.79	0.85		83	Mongolia	4.17	52.87	0.33	
20	Belgium	5.40	73.42	0.84		84	Zambia	4.15	52.51	0.32	
21	Germany	5.38	72.99	0.84		85	Ghana	4.11	51.89	0.31	
22	Iceland	5.38	72.95	0.83		86	Oman	4.10	51.69	0.30	
23	Japan	5.31	71.84	0.82		87	India	4.09	51.47	0.30	
24	Austria	5.26	70.96	0.81		88	Pakistan	4.08	51.28	0.29	
25	Hong Kong (China)	5.24	70.69	0.80		89	Tunisia	4.07	51.24	0.28	
26	Lithuania	5.16	69.38	0.80		90	Mali	4.07	51.22	0.27	
27	France	5.15	69.21	0.79		91	Cameroon	4.07	51.13	0.26	
28	Denmark	5.14	69.08	0.78		92	El Salvador	4.06	51.00	0.25	
29	Spain	5.14	68.93	0.77		93	Greece	4.03	50.48	0.25	○
30	Chile	5.07	67.90	0.76		94	Russian Federation	4.02	50.39	0.24	○
31	Rwanda	5.05	67.53	0.75	●	95	Egypt	4.02	50.30	0.23	
32	Saudi Arabia	5.05	67.46	0.75		96	Paraguay	4.00	49.97	0.22	
33	Panama	5.04	67.39	0.74		97	Kuwait	4.00	49.92	0.21	
34	Czech Republic	5.04	67.35	0.73		98	Georgia	3.97	49.51	0.20	
35	Guatemala	4.97	66.14	0.72	●	99	Tajikistan	3.95	49.14	0.20	
36	Malta	4.93	65.44	0.71		100	Mozambique	3.92	48.70	0.19	
37	Bahrain	4.90	65.05	0.70		101	Botswana	3.89	48.15	0.18	
38	Uruguay	4.90	65.04	0.70		102	Serbia	3.88	48.07	0.17	○
39	Kenya	4.89	64.84	0.69		103	Madagascar	3.88	47.92	0.16	
40	Australia	4.89	64.83	0.68		104	Tanzania, United Rep.	3.84	47.36	0.16	
41	Thailand	4.82	63.61	0.67		105	Moldova, Rep.	3.84	47.34	0.15	○
42	Dominican Republic	4.80	63.30	0.66	●	106	Ukraine	3.82	47.04	0.14	
43	Costa Rica	4.79	63.25	0.66		107	Benin	3.82	46.92	0.13	
44	Azerbaijan	4.79	63.16	0.65		108	Bolivia, Plurinational St.	3.79	46.46	0.12	
45	Latvia	4.78	62.92	0.64		109	Bangladesh	3.79	46.46	0.11	
46	Indonesia	4.76	62.74	0.63		110	Lebanon	3.73	45.48	0.11	○
47	Honduras	4.75	62.57	0.62	●	111	Albania	3.70	44.98	0.10	
48	China	4.72	62.01	0.61		112	Bhutan	3.68	44.70	0.09	
49	Jordan	4.69	61.52	0.61		113	Ethiopia	3.62	43.65	0.08	
50	TFYR of Macedonia	4.68	61.26	0.60		114	Bosnia and Herzegovina	3.62	43.63	0.07	○
51	Turkey	4.67	61.19	0.59		115	Nicaragua	3.62	43.62	0.07	○
52	Sri Lanka	4.67	61.13	0.58		116	Argentina	3.61	43.48	0.06	○
53	Mexico	4.66	61.00	0.57		117	Algeria	3.55	42.56	0.05	
54	Senegal	4.65	60.79	0.57		118	Kyrgyzstan	3.52	42.03	0.04	○
55	Colombia	4.64	60.69	0.56		119	Malawi	3.41	40.10	0.03	○
56	Slovakia	4.63	60.43	0.55		120	Nepal	3.38	39.71	0.02	○
57	Philippines	4.62	60.28	0.54		121	Venezuela, Bolivarian Rep.	3.20	36.62	0.02	
58	Hungary	4.61	60.18	0.53		122	Guinea	3.15	35.86	0.01	○
59	South Africa	4.55	59.15	0.52		123	Burundi	2.74	28.98	0.00	○
60	Slovenia	4.54	59.03	0.52		n/a	Belarus	n/a	n/a	n/a	
61	Armenia	4.54	59.03	0.51		n/a	Burkina Faso	n/a	n/a	n/a	
62	Morocco	4.52	58.68	0.50		n/a	Niger	n/a	n/a	n/a	
63	Ecuador	4.52	58.62	0.49		n/a	Togo	n/a	n/a	n/a	
64	Mauritius	4.49	58.13	0.48		n/a	Yemen	n/a	n/a	n/a	

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	United Kingdom	5.77	79.43	1.00	●	65	Viet Nam	4.20	53.41	0.48	
2	United States of America	5.77	79.42	0.99	●	66	Rwanda	4.20	53.37	0.47	
3	Finland	5.75	79.22	0.98	●	67	Mauritius	4.18	53.02	0.46	
4	Netherlands	5.66	77.71	0.98	●	68	Turkey	4.12	52.03	0.45	
5	Estonia	5.64	77.34	0.97	●	69	Kazakhstan	4.11	51.80	0.44	
6	Norway	5.63	77.23	0.96	●	70	Romania	4.11	51.76	0.43	
7	Qatar	5.59	76.56	0.95	●	71	Ukraine	4.06	50.95	0.43	
8	Malaysia	5.58	76.27	0.94	●	72	Hungary	4.05	50.85	0.42	
9	Sweden	5.54	75.73	0.93		73	Poland	4.04	50.67	0.41	
10	United Arab Emirates	5.49	74.82	0.93	●	74	Russian Federation	4.02	50.33	0.40	
11	Singapore	5.47	74.53	0.92		75	Cyprus	4.01	50.19	0.39	
12	Canada	5.44	73.98	0.91		76	Jamaica	4.01	50.11	0.39	
13	Iceland	5.42	73.68	0.90		77	Brazil	3.99	49.88	0.38	
14	Ireland	5.40	73.26	0.89		78	Zambia	3.93	48.78	0.37	
15	Luxembourg	5.31	71.84	0.89		79	El Salvador	3.92	48.65	0.36	
16	Hong Kong (China)	5.27	71.20	0.88		80	Namibia	3.91	48.55	0.35	
17	Switzerland	5.26	70.95	0.87		81	Peru	3.87	47.87	0.34	
18	Germany	5.20	70.05	0.86		82	Italy	3.84	47.41	0.34	○
19	Lithuania	5.16	69.33	0.85	●	83	Argentina	3.83	47.25	0.33	
20	Israel	5.12	68.65	0.84		84	Morocco	3.83	47.13	0.32	
21	Belgium	5.08	68.01	0.84		85	Cameroon	3.77	46.15	0.31	
22	New Zealand	5.08	67.94	0.83		86	Egypt	3.74	45.68	0.30	
23	Denmark	5.04	67.34	0.82		87	Uganda	3.73	45.58	0.30	
24	Australia	4.98	66.31	0.81		88	Madagascar	3.73	45.53	0.29	
25	France	4.93	65.44	0.80		89	Tajikistan	3.71	45.12	0.28	
26	Portugal	4.90	65.02	0.80		90	Montenegro	3.68	44.72	0.27	○
27	Korea, Rep.	4.88	64.59	0.79		91	Mali	3.63	43.85	0.26	
28	Czech Republic	4.87	64.47	0.78		92	Kuwait	3.62	43.66	0.25	
29	Azerbaijan	4.75	62.51	0.77	●	93	Oman	3.62	43.65	0.25	
30	China	4.74	62.28	0.76		94	Greece	3.61	43.51	0.24	○
31	Austria	4.73	62.19	0.75		95	Nigeria	3.59	43.13	0.23	
32	Japan	4.72	61.92	0.75		96	Ghana	3.56	42.61	0.22	
33	Guatemala	4.66	60.95	0.74	●	97	Moldova, Rep.	3.55	42.56	0.21	
34	Honduras	4.65	60.79	0.73	●	98	Mongolia	3.54	42.36	0.20	
35	Latvia	4.64	60.73	0.72		99	Bangladesh	3.54	42.36	0.20	
36	Bahrain	4.64	60.68	0.71		100	Bolivia, Plurinational St.	3.54	42.34	0.19	
37	Panama	4.61	60.19	0.70		101	Iran, Islamic Rep.	3.54	42.31	0.18	
38	Indonesia	4.59	59.78	0.70	●	102	Kyrgyzstan	3.53	42.11	0.17	
39	Costa Rica	4.58	59.72	0.69		103	Benin	3.52	42.05	0.16	
40	Saudi Arabia	4.56	59.31	0.68		104	Ethiopia	3.51	41.84	0.16	
41	Malta	4.56	59.26	0.67		105	Tunisia	3.43	40.55	0.15	○
42	Colombia	4.49	58.16	0.66		106	Serbia	3.43	40.45	0.14	○
43	Slovakia	4.46	57.62	0.66		107	Georgia	3.42	40.25	0.13	○
44	Spain	4.45	57.50	0.65		108	Botswana	3.40	40.08	0.12	
45	Slovenia	4.44	57.28	0.64		109	Tanzania, United Rep.	3.38	39.67	0.11	
46	Philippines	4.43	57.11	0.63		110	Venezuela, Bolivarian Rep.	3.37	39.48	0.11	
47	Sri Lanka	4.42	57.02	0.62		111	Nepal	3.29	38.21	0.10	
48	Chile	4.40	56.72	0.61		112	Lebanon	3.26	37.68	0.09	○
49	Thailand	4.39	56.48	0.61		113	Bhutan	3.26	37.65	0.08	
50	Dominican Republic	4.39	56.42	0.60	●	114	Pakistan	3.25	37.53	0.07	
51	Kenya	4.38	56.29	0.59		115	Mozambique	3.25	37.42	0.07	
52	Senegal	4.37	56.21	0.58	●	116	Paraguay	3.25	37.42	0.06	○
53	South Africa	4.37	56.15	0.57		117	Nicaragua	3.21	36.90	0.05	○
54	Mexico	4.36	56.07	0.57		118	Bosnia and Herzegovina	3.10	34.95	0.04	○
55	Jordan	4.36	55.96	0.56		119	Malawi	2.96	32.59	0.03	○
56	Côte d'Ivoire	4.34	55.69	0.55	●	120	Algeria	2.94	32.26	0.02	
57	Uruguay	4.32	55.35	0.54		121	Albania	2.89	31.46	0.02	○
58	Ecuador	4.31	55.12	0.53		122	Guinea	2.71	28.57	0.01	○
59	Croatia	4.31	55.11	0.52		123	Burundi	2.43	23.90	0.00	○
60	Armenia	4.30	55.01	0.52		n/a	Belarus	n/a	n/a	n/a	
61	TFYR of Macedonia	4.29	54.89	0.51		n/a	Burkina Faso	n/a	n/a	n/a	
62	Bulgaria	4.24	53.98	0.50		n/a	Niger	n/a	n/a	n/a	
63	Cambodia	4.23	53.81	0.49		n/a	Togo	n/a	n/a	n/a	
64	India	4.22	53.71	0.48		n/a	Yemen	n/a	n/a	n/a	

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

NOTE: ● indicates a strength; ○ a weakness

7.2.1

Cultural and creative services exports

Cultural and creative services exports (% of total trade) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Costa Rica	7.01	100.00	0.98	●	65	Mali (2013)	0.03	1.61	0.24	
1	Luxembourg (2013)	4.90	100.00	0.98	●	66	Mexico	0.02	1.15	0.23	○
1	United States of America	1.65	100.00	0.98	●	67	Pakistan (2012)	0.01	0.65	0.21	
4	Romania (2013)	1.43	86.58	0.96	●	68	Venezuela, Bolivarian Rep.	0.01	0.61	0.20	
5	Belgium (2013)	1.37	83.09	0.95	●	69	Guatemala	0.01	0.60	0.19	
6	Latvia (2013)	1.36	82.63	0.94	●	70	Kazakhstan	0.01	0.53	0.18	
7	France (2013)	1.12	67.65	0.93	●	71	China	0.01	0.46	0.17	○
8	Estonia (2013)	1.06	64.06	0.92		72	Turkey	0.01	0.44	0.15	○
9	Poland (2013)	1.00	60.56	0.90	●	73	Benin (2011)	0.01	0.34	0.14	
10	Austria (2013)	0.99	59.71	0.89		74	Algeria	0.00	0.27	0.13	
11	Russian Federation (2013)	0.98	59.10	0.88	●	75	Paraguay	0.00	0.22	0.12	
12	Israel (2013)	0.94	57.02	0.87		76	Togo (2013)	0.00	0.21	0.11	
13	Slovenia (2013)	0.93	56.08	0.86		77	Bosnia and Herzegovina	0.00	0.18	0.10	○
14	Canada (2013)	0.92	55.94	0.85		78	Bangladesh	0.00	0.16	0.08	
15	United Kingdom	0.80	48.73	0.83		79	Ethiopia	0.00	0.11	0.07	
16	Bulgaria (2013)	0.78	46.99	0.82	●	80	Slovakia	0.00	0.09	0.06	○
17	Sweden (2013)	0.74	44.60	0.81		81	Uganda	0.00	0.07	0.05	○
18	Denmark (2013)	0.68	41.27	0.80		82	Rwanda	0.00	0.04	0.04	○
19	Greece (2013)	0.65	39.24	0.79		83	Kenya	0.00	0.02	0.02	○
20	Hungary (2013)	0.59	35.56	0.77		84	El Salvador (2013)	0.00	0.01	0.01	○
21	Germany (2013)	0.59	35.49	0.76		85	Honduras	0.00	0.00	0.00	○
22	Cyprus (2013)	0.58	35.23	0.75		n/a	Bahrain	n/a	n/a	n/a	
23	Portugal (2013)	0.56	33.92	0.74		n/a	Bhutan	n/a	n/a	n/a	
24	Czech Republic (2013)	0.53	31.91	0.73		n/a	Botswana	n/a	n/a	n/a	
25	Guinea (2013)	0.51	31.09	0.71	●	n/a	Burkina Faso	n/a	n/a	n/a	
26	Lithuania (2013)	0.41	24.65	0.70		n/a	Cambodia	n/a	n/a	n/a	
27	Lebanon	0.40	24.13	0.69		n/a	Chile	n/a	n/a	n/a	
28	Argentina	0.38	23.10	0.68		n/a	Côte d'Ivoire	n/a	n/a	n/a	
29	Moldova, Rep.	0.34	20.34	0.67		n/a	Dominican Republic	n/a	n/a	n/a	
30	Ecuador	0.33	20.04	0.65	●	n/a	Egypt	n/a	n/a	n/a	
31	Australia	0.31	19.08	0.64		n/a	Ghana	n/a	n/a	n/a	
32	Finland (2013)	0.31	18.95	0.63		n/a	Iceland	n/a	n/a	n/a	
33	Burundi (2013)	0.30	18.14	0.62	●	n/a	Indonesia	n/a	n/a	n/a	
34	Korea, Rep.	0.28	17.20	0.61		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
35	Italy (2013)	0.28	16.98	0.60		n/a	Jamaica	n/a	n/a	n/a	
36	Armenia	0.27	16.65	0.58		n/a	Jordan	n/a	n/a	n/a	
37	Senegal (2013)	0.24	14.34	0.57		n/a	Kuwait	n/a	n/a	n/a	
38	Ireland (2013)	0.21	12.61	0.56	○	n/a	Kyrgyzstan	n/a	n/a	n/a	
39	Croatia	0.20	12.03	0.55		n/a	Malaysia	n/a	n/a	n/a	
40	Ukraine	0.19	11.59	0.54		n/a	Malta	n/a	n/a	n/a	
41	Hong Kong (China) (2013)	0.17	10.18	0.52		n/a	Mongolia	n/a	n/a	n/a	
42	Serbia	0.15	9.35	0.51		n/a	Namibia	n/a	n/a	n/a	
43	TFYR of Macedonia	0.15	9.15	0.50		n/a	Nepal	n/a	n/a	n/a	
44	Panama	0.14	8.60	0.49		n/a	Netherlands	n/a	n/a	n/a	
45	India	0.12	7.58	0.48		n/a	New Zealand	n/a	n/a	n/a	
46	Brazil	0.12	7.04	0.46		n/a	Nicaragua	n/a	n/a	n/a	
47	South Africa	0.11	6.96	0.45		n/a	Niger	n/a	n/a	n/a	
48	Morocco	0.11	6.71	0.44		n/a	Nigeria	n/a	n/a	n/a	
49	Montenegro	0.10	5.80	0.43		n/a	Oman	n/a	n/a	n/a	
50	Georgia	0.08	5.16	0.42		n/a	Qatar	n/a	n/a	n/a	
51	Peru	0.08	4.71	0.40		n/a	Saudi Arabia	n/a	n/a	n/a	
52	Philippines	0.07	4.34	0.39		n/a	Singapore	n/a	n/a	n/a	
53	Colombia	0.07	3.96	0.38		n/a	Spain	n/a	n/a	n/a	
54	Albania	0.07	3.96	0.37		n/a	Sri Lanka	n/a	n/a	n/a	
55	Cameroon (2013)	0.06	3.51	0.36		n/a	Switzerland	n/a	n/a	n/a	
56	Norway	0.05	3.29	0.35	○	n/a	Tajikistan	n/a	n/a	n/a	
57	Belarus	0.05	3.04	0.33		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
58	Mauritius	0.05	3.01	0.32		n/a	Thailand	n/a	n/a	n/a	
59	Bolivia, Plurinational St.	0.05	2.85	0.31		n/a	Tunisia	n/a	n/a	n/a	
60	Japan	0.04	2.72	0.30	○	n/a	United Arab Emirates	n/a	n/a	n/a	
61	Madagascar (2013)	0.04	2.39	0.29		n/a	Uruguay	n/a	n/a	n/a	
62	Azerbaijan	0.04	2.24	0.27		n/a	Viet Nam	n/a	n/a	n/a	
63	Malawi	0.03	2.06	0.26		n/a	Yemen	n/a	n/a	n/a	
64	Mozambique	0.03	1.87	0.25		n/a	Zambia	n/a	n/a	n/a	

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

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	Bhutan (2011)	58.58	100.00	0.97	●	65	Russian Federation	1.30	6.78	0.37	
1	Estonia	19.21	100.00	0.97	●	66	Paraguay (2009)	1.29	6.70	0.36	
1	Iceland	30.46	100.00	0.97	●	67	Guatemala (2010)	1.17	6.10	0.35	
1	Luxembourg (2011)	42.41	100.00	0.97	●	68	Viet Nam (2011)	1.17	6.09	0.34	
5	Switzerland	17.40	90.62	0.96		69	Mauritius (2011)	1.08	5.64	0.33	
6	Denmark	17.29	90.03	0.95		70	Poland	1.07	5.56	0.32	○
7	Armenia	12.82	66.75	0.94	●	71	Sri Lanka	1.04	5.43	0.31	
8	Finland	12.63	65.78	0.93		72	Venezuela, Bolivarian Rep.	1.03	5.35	0.30	
9	Nigeria (2011)	11.16	58.11	0.92	●	73	Tunisia	1.01	5.28	0.29	
10	Israel	10.83	56.38	0.91		74	Thailand (2010)	0.98	5.11	0.28	
11	Mongolia	10.50	54.69	0.90	●	75	Morocco	0.96	5.00	0.27	
12	Ireland	10.33	53.79	0.89		76	Dominican Republic (2009)	0.96	4.98	0.26	
13	Azerbaijan	9.88	51.42	0.88	●	77	Moldova, Rep.	0.96	4.98	0.25	
14	Sweden	9.03	47.01	0.87		78	Brazil	0.89	4.61	0.24	
15	Belgium	8.91	46.41	0.86		79	Philippines	0.84	4.36	0.23	
16	Greece	8.86	46.15	0.85	●	80	Guinea (2010)	0.83	4.30	0.22	
17	Slovenia	8.62	44.89	0.84		81	Colombia	0.78	4.04	0.21	
18	Croatia	8.48	44.14	0.83	●	82	Niger (2011)	0.73	3.80	0.20	
19	Norway	8.00	41.64	0.82		83	South Africa	0.70	3.65	0.19	○
20	New Zealand	7.97	41.49	0.81		84	Bangladesh (2009)	0.66	3.44	0.18	
21	Hong Kong (China)	7.48	38.96	0.80		85	China	0.61	3.16	0.17	○
22	Austria	7.48	38.93	0.79		86	Costa Rica	0.59	3.09	0.16	○
23	Lithuania	7.04	36.67	0.78		87	Egypt	0.59	3.05	0.15	
24	Latvia	6.94	36.16	0.77		88	Peru	0.58	3.04	0.14	○
25	Spain	6.91	35.99	0.76		89	Kyrgyzstan	0.53	2.73	0.13	
26	Japan	6.73	35.03	0.75		90	Indonesia (2012)	0.51	2.63	0.12	
27	Montenegro	6.70	34.89	0.74		91	Panama (2010)	0.41	2.15	0.11	○
28	Malta	6.54	34.08	0.73		92	Honduras (2012)	0.41	2.14	0.10	○
29	France	6.17	32.12	0.72		93	Senegal	0.39	2.02	0.09	
30	Argentina	5.88	30.60	0.71		94	Ukraine	0.36	1.87	0.08	○
31	Czech Republic	5.74	29.87	0.70		95	Nicaragua (2009)	0.28	1.45	0.07	
32	Netherlands	5.64	29.34	0.69		96	Pakistan (2009)	0.27	1.39	0.06	○
33	Korea, Rep.	5.39	28.09	0.68		97	El Salvador (2008)	0.26	1.36	0.05	○
34	United Kingdom	5.34	27.82	0.67		98	Belarus (2011)	0.14	0.74	0.04	○
35	Slovakia	5.32	27.72	0.66		99	Mali (2011)	0.12	0.65	0.03	○
36	Hungary	5.22	27.15	0.65		100	Mozambique (2006)	0.09	0.46	0.02	○
37	Uruguay	4.75	24.74	0.64		101	Bahrain	0.00	0.00	0.00	○
38	Bolivia, Plurinational St. (2009)	4.19	21.84	0.63	●	101	Oman (2009)	0.00	0.00	0.00	○
39	Lebanon	4.01	20.90	0.62		n/a	Albania	n/a	n/a	n/a	
40	Italy	3.97	20.69	0.61		n/a	Algeria	n/a	n/a	n/a	
41	Germany	3.89	20.26	0.60		n/a	Benin	n/a	n/a	n/a	
42	Bosnia and Herzegovina	3.78	19.67	0.59		n/a	Botswana	n/a	n/a	n/a	
43	Canada	3.59	18.68	0.58		n/a	Burundi	n/a	n/a	n/a	
44	Malaysia	3.38	17.59	0.57		n/a	Côte d'Ivoire	n/a	n/a	n/a	
45	United States of America	3.26	16.97	0.56		n/a	Ecuador	n/a	n/a	n/a	
46	Singapore	3.11	16.21	0.55	○	n/a	Ethiopia	n/a	n/a	n/a	
47	Georgia	3.05	15.90	0.54		n/a	Ghana	n/a	n/a	n/a	
48	Kazakhstan	2.93	15.28	0.53		n/a	Jamaica	n/a	n/a	n/a	
49	Bulgaria	2.83	14.74	0.52		n/a	Jordan	n/a	n/a	n/a	
50	Serbia	2.78	14.45	0.51		n/a	Kenya	n/a	n/a	n/a	
51	Romania	2.58	13.41	0.50		n/a	Kuwait	n/a	n/a	n/a	
52	Chile	2.44	12.72	0.50		n/a	Madagascar	n/a	n/a	n/a	
53	Cyprus	2.34	12.19	0.49		n/a	Malawi	n/a	n/a	n/a	
54	India	2.01	10.46	0.48		n/a	Namibia	n/a	n/a	n/a	
55	TFYR of Macedonia	1.93	10.07	0.47		n/a	Nepal	n/a	n/a	n/a	
56	Cameroon (2009)	1.83	9.53	0.46	●	n/a	Qatar	n/a	n/a	n/a	
57	Burkina Faso	1.78	9.26	0.45		n/a	Rwanda	n/a	n/a	n/a	
58	Tajikistan	1.77	9.20	0.44		n/a	Saudi Arabia	n/a	n/a	n/a	
59	Portugal	1.75	9.09	0.43	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a	
60	Turkey	1.62	8.41	0.42		n/a	Togo	n/a	n/a	n/a	
61	Australia	1.56	8.14	0.41	○	n/a	Uganda	n/a	n/a	n/a	
62	Iran, Islamic Rep.	1.54	8.01	0.40		n/a	United Arab Emirates	n/a	n/a	n/a	
63	Mexico	1.51	7.87	0.39		n/a	Yemen	n/a	n/a	n/a	
64	Cambodia (2011)	1.37	7.15	0.38		n/a	Zambia	n/a	n/a	n/a	

SOURCE: UNESCO Institute for Statistics, *UIS online database*; United Nations, *World Population Prospects: The 2015 Revision* (population)

NOTE: ● indicates a strength; ○ a weakness

7.2.3 Global entertainment and media market

Global entertainment and media market (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	Norway	3.40	100.00	1.00	●	n/a	Belarus	n/a	n/a	n/a
2	Switzerland	2.92	85.94	0.98	●	n/a	Benin	n/a	n/a	n/a
3	United States of America	2.64	77.71	0.97	●	n/a	Bhutan	n/a	n/a	n/a
4	Denmark	2.41	70.61	0.95		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a
5	Sweden	2.40	70.47	0.93		n/a	Bosnia and Herzegovina	n/a	n/a	n/a
6	United Kingdom	2.20	64.40	0.92		n/a	Botswana	n/a	n/a	n/a
7	Austria	2.15	63.00	0.90		n/a	Bulgaria	n/a	n/a	n/a
8	Australia	2.10	61.69	0.88		n/a	Burkina Faso	n/a	n/a	n/a
9	Finland	1.98	57.92	0.86		n/a	Burundi	n/a	n/a	n/a
10	Germany	1.95	56.97	0.85		n/a	Cambodia	n/a	n/a	n/a
11	Japan	1.87	54.70	0.83		n/a	Cameroon	n/a	n/a	n/a
12	New Zealand	1.82	53.37	0.81		n/a	Costa Rica	n/a	n/a	n/a
13	France	1.81	53.02	0.80		n/a	Côte d'Ivoire	n/a	n/a	n/a
14	Netherlands	1.78	52.07	0.78		n/a	Croatia	n/a	n/a	n/a
15	Belgium	1.75	51.09	0.76		n/a	Cyprus	n/a	n/a	n/a
16	Canada	1.74	50.86	0.75		n/a	Dominican Republic	n/a	n/a	n/a
17	Hong Kong (China)	1.60	46.62	0.73		n/a	Ecuador	n/a	n/a	n/a
18	Ireland	1.58	46.03	0.71		n/a	El Salvador	n/a	n/a	n/a
19	Korea, Rep.	1.38	40.32	0.69		n/a	Estonia	n/a	n/a	n/a
20	Singapore	1.27	36.81	0.68		n/a	Ethiopia	n/a	n/a	n/a
21	Qatar	1.20	34.80	0.66		n/a	Georgia	n/a	n/a	n/a
22	Israel	1.11	32.30	0.64		n/a	Ghana	n/a	n/a	n/a
23	Portugal	1.01	29.15	0.63		n/a	Guatemala	n/a	n/a	n/a
24	Italy	0.96	27.81	0.61		n/a	Guinea	n/a	n/a	n/a
25	Spain	0.87	25.02	0.59		n/a	Honduras	n/a	n/a	n/a
26	Czech Republic	0.67	19.14	0.58		n/a	Iceland	n/a	n/a	n/a
27	Kuwait	0.63	17.82	0.56		n/a	Iran, Islamic Rep.	n/a	n/a	n/a
28	Greece	0.58	16.60	0.54		n/a	Jamaica	n/a	n/a	n/a
29	United Arab Emirates	0.43	12.14	0.53		n/a	Kazakhstan	n/a	n/a	n/a
30	Hungary	0.43	12.11	0.51		n/a	Kyrgyzstan	n/a	n/a	n/a
31	Poland	0.39	10.96	0.49		n/a	Latvia	n/a	n/a	n/a
32	Argentina	0.38	10.55	0.47		n/a	Lithuania	n/a	n/a	n/a
33	Malaysia	0.37	10.37	0.46		n/a	Luxembourg	n/a	n/a	n/a
34	Bahrain	0.33	9.18	0.44		n/a	Madagascar	n/a	n/a	n/a
35	Chile	0.33	9.02	0.42		n/a	Malawi	n/a	n/a	n/a
36	Saudi Arabia	0.33	8.94	0.41		n/a	Mali	n/a	n/a	n/a
37	Mexico	0.30	8.24	0.39		n/a	Malta	n/a	n/a	n/a
38	South Africa	0.30	8.07	0.37		n/a	Mauritius	n/a	n/a	n/a
39	Brazil	0.30	8.07	0.36		n/a	Moldova, Rep.	n/a	n/a	n/a
40	Oman	0.25	6.60	0.34		n/a	Mongolia	n/a	n/a	n/a
41	Russian Federation	0.24	6.38	0.32		n/a	Montenegro	n/a	n/a	n/a
42	Turkey	0.21	5.50	0.31		n/a	Mozambique	n/a	n/a	n/a
43	Romania	0.19	4.81	0.29		n/a	Namibia	n/a	n/a	n/a
44	Venezuela, Bolivarian Rep.	0.19	4.78	0.27		n/a	Nepal	n/a	n/a	n/a
45	Peru	0.19	4.76	0.25		n/a	Nicaragua	n/a	n/a	n/a
46	Thailand	0.18	4.72	0.24		n/a	Niger	n/a	n/a	n/a
47	Colombia	0.17	4.32	0.22		n/a	Panama	n/a	n/a	n/a
48	China	0.14	3.41	0.20		n/a	Paraguay	n/a	n/a	n/a
49	Lebanon	0.13	3.17	0.19		n/a	Rwanda	n/a	n/a	n/a
50	Algeria	0.08	1.76	0.17		n/a	Senegal	n/a	n/a	n/a
51	Philippines	0.08	1.76	0.15		n/a	Serbia	n/a	n/a	n/a
52	Jordan	0.08	1.69	0.14	○	n/a	Slovakia	n/a	n/a	n/a
53	Kenya	0.07	1.38	0.12		n/a	Slovenia	n/a	n/a	n/a
54	Indonesia	0.06	1.09	0.10		n/a	Sri Lanka	n/a	n/a	n/a
55	Egypt	0.05	0.75	0.08		n/a	Tajikistan	n/a	n/a	n/a
56	Morocco	0.05	0.73	0.07	○	n/a	Tanzania, United Rep.	n/a	n/a	n/a
57	Nigeria	0.04	0.52	0.05		n/a	TFYR of Macedonia	n/a	n/a	n/a
58	Viet Nam	0.04	0.46	0.03	○	n/a	Togo	n/a	n/a	n/a
59	India	0.03	0.12	0.02	○	n/a	Tunisia	n/a	n/a	n/a
60	Pakistan	0.02	0.00	0.00	○	n/a	Uganda	n/a	n/a	n/a
n/a	Albania	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	Uruguay	n/a	n/a	n/a
n/a	Azerbaijan	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

SOURCE: PwC's *Global entertainment and media outlook, 2015–2019*; United Nations, *World Population Prospects: The 2015 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	Iceland (2006)	6.36	100.00	0.98	●	65	Kyrgyzstan (2010)	1.02	20.59	0.31	
1	Lebanon (2007)	4.18	100.00	0.98	●	66	Ireland (2011)	0.95	18.75	0.30	○
1	Malta (2009)	36.18	100.00	0.98	●	67	Kazakhstan	0.93	18.28	0.29	
4	Georgia	3.51	83.15	0.97	●	68	Indonesia (2011)	0.92	18.03	0.28	
5	Mauritius	3.24	76.40	0.96	●	69	Malaysia	0.86	16.55	0.27	○
6	Mongolia (2011)	2.94	68.79	0.95	●	70	Hungary	0.83	15.79	0.26	○
7	Cyprus	2.90	67.69	0.94	●	71	Senegal	0.83	15.67	0.25	
8	Tanzania, United Rep. (2010)	2.84	66.26	0.92	●	72	Singapore	0.82	15.49	0.24	○
9	Costa Rica	2.74	63.75	0.91	●	73	Morocco	0.81	15.21	0.23	
10	Ethiopia (2009)	2.72	63.32	0.90	●	74	Brazil	0.79	14.81	0.22	○
11	Peru (2011)	2.66	61.71	0.89	●	75	Burundi (2010)	0.78	14.59	0.20	
12	TFYR of Macedonia (2011)	2.62	60.66	0.88	●	76	Thailand (2011)	0.77	14.16	0.19	○
13	Kenya	2.59	59.90	0.87	●	77	Oman	0.73	13.36	0.18	
14	Latvia	2.46	56.74	0.86	●	78	Tunisia (2007)	0.72	12.93	0.17	
15	South Africa (2010)	2.44	56.11	0.85	●	79	Ukraine	0.70	12.55	0.16	
16	Tajikistan	2.41	55.49	0.84	●	80	Egypt (2010)	0.64	11.12	0.15	
17	Saudi Arabia (2009)	2.31	53.05	0.83	●	81	Slovakia	0.62	10.47	0.14	○
18	Australia	2.25	51.39	0.82		82	Azerbaijan	0.61	10.29	0.13	
19	Colombia	2.23	51.02	0.81	●	83	Kuwait	0.59	9.77	0.12	○
20	Estonia	2.22	50.67	0.80		84	India (2011)	0.57	9.29	0.11	○
21	United Kingdom	2.21	50.51	0.78		85	Mexico (2011)	0.57	9.26	0.10	○
22	Japan	2.09	47.35	0.77		86	Philippines (2010)	0.54	8.61	0.09	○
23	Madagascar (2006)	2.08	47.15	0.76	●	87	China (2011)	0.52	7.98	0.08	○
24	New Zealand (2010)	1.98	44.74	0.75		88	Nepal (2011)	0.44	5.87	0.06	○
25	Moldova, Rep.	1.94	43.71	0.74		89	Canada	0.38	4.59	0.05	○
26	United States of America (2008)	1.88	42.25	0.73		90	Yemen (2009)	0.37	4.34	0.04	
27	Sri Lanka (2011)	1.88	42.13	0.72	●	91	Pakistan (2006)	0.33	3.26	0.03	○
28	Slovenia	1.82	40.72	0.71		92	Korea, Rep.	0.28	2.01	0.02	○
29	Malawi (2010)	1.74	38.56	0.70	●	93	Iran, Islamic Rep. (2011)	0.22	0.48	0.01	○
30	Serbia	1.65	36.38	0.69		94	Bangladesh (2011)	0.20	0.00	0.00	○
31	Norway	1.61	35.48	0.68		n/a	Albania	n/a	n/a	n/a	
32	Ecuador (2008)	1.55	33.92	0.67	●	n/a	Argentina	n/a	n/a	n/a	
33	Armenia	1.54	33.67	0.66		n/a	Belarus	n/a	n/a	n/a	
34	Belgium	1.52	33.02	0.65		n/a	Benin	n/a	n/a	n/a	
35	Netherlands	1.47	31.89	0.63	○	n/a	Bhutan	n/a	n/a	n/a	
36	Austria	1.44	31.18	0.62		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
37	Luxembourg	1.42	30.66	0.61		n/a	Botswana	n/a	n/a	n/a	
38	Sweden	1.41	30.38	0.60	○	n/a	Burkina Faso	n/a	n/a	n/a	
39	Uruguay (2010)	1.38	29.55	0.59		n/a	Cambodia	n/a	n/a	n/a	
40	Jordan	1.38	29.48	0.58		n/a	Chile	n/a	n/a	n/a	
41	Spain	1.37	29.40	0.57		n/a	Côte d'Ivoire	n/a	n/a	n/a	
42	Finland	1.37	29.22	0.56	○	n/a	Croatia	n/a	n/a	n/a	
43	Paraguay (2010)	1.33	28.32	0.55	●	n/a	Dominican Republic	n/a	n/a	n/a	
44	Italy	1.31	27.94	0.54		n/a	El Salvador	n/a	n/a	n/a	
45	Switzerland	1.30	27.67	0.53	○	n/a	Ghana	n/a	n/a	n/a	
46	Cameroon (2008)	1.28	27.19	0.52	●	n/a	Guatemala	n/a	n/a	n/a	
47	Portugal	1.26	26.69	0.51		n/a	Guinea	n/a	n/a	n/a	
48	Israel (2011)	1.25	26.44	0.49		n/a	Honduras	n/a	n/a	n/a	
49	Viet Nam (2008)	1.25	26.41	0.48		n/a	Hong Kong (China)	n/a	n/a	n/a	
50	Greece	1.25	26.34	0.47		n/a	Jamaica	n/a	n/a	n/a	
51	Algeria (2008)	1.21	25.23	0.46		n/a	Mali	n/a	n/a	n/a	
52	Germany	1.20	25.01	0.45	○	n/a	Montenegro	n/a	n/a	n/a	
53	Russian Federation	1.19	24.88	0.44		n/a	Mozambique	n/a	n/a	n/a	
54	Denmark	1.18	24.63	0.43	○	n/a	Namibia	n/a	n/a	n/a	
55	Bulgaria	1.18	24.55	0.42		n/a	Nicaragua	n/a	n/a	n/a	
56	Qatar (2010)	1.18	24.50	0.41		n/a	Niger	n/a	n/a	n/a	
57	Turkey (2009)	1.14	23.58	0.40		n/a	Nigeria	n/a	n/a	n/a	
58	France	1.09	22.27	0.38	○	n/a	Panama	n/a	n/a	n/a	
58	Romania	1.09	22.27	0.38		n/a	Rwanda	n/a	n/a	n/a	
60	Bosnia and Herzegovina (2011)	1.06	21.54	0.37		n/a	Togo	n/a	n/a	n/a	
61	Czech Republic	1.05	21.32	0.34	○	n/a	Uganda	n/a	n/a	n/a	
61	Poland	1.05	21.32	0.34	○	n/a	United Arab Emirates	n/a	n/a	n/a	
63	Bahrain (2010)	1.04	20.99	0.33		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
64	Lithuania	1.02	20.64	0.32		n/a	Zambia	n/a	n/a	n/a	

SOURCE: United Nations Industrial Development Organization, *Industrial Statistics Database*, ISIC Revision 3 (INDSTAT2 2012)

NOTE: ● indicates a strength; ○ a weakness

7.2.5 Creative goods exports

Creative goods exports (% of total trade) | 2014

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Value	Score (0–100)	Percent rank	
1	China	14.75	100.00	1.00	●	65	Pakistan	0.32	9.62	0.48	
2	Slovakia	10.34	87.87	0.99	●	66	Nepal	0.30	9.04	0.47	●
3	Mexico	10.32	87.81	0.98	●	67	Belarus	0.29	8.92	0.46	
4	Czech Republic	10.05	86.91	0.98	●	68	Bosnia and Herzegovina	0.28	8.75	0.46	
5	Thailand	9.63	85.50	0.97	●	69	New Zealand	0.28	8.55	0.45	
6	Malaysia	9.19	83.94	0.96	●	70	Kenya (2013)	0.28	8.50	0.44	
7	Hungary	5.93	69.70	0.95	●	71	Sri Lanka	0.26	8.14	0.43	
8	Netherlands	5.26	66.00	0.94		72	Hong Kong (China) (2013)	0.23	7.29	0.42	○
9	Viet Nam	5.08	64.90	0.93	●	73	Kuwait	0.23	7.26	0.41	
10	Singapore	4.83	63.37	0.93		74	Argentina	0.23	7.17	0.41	
11	Poland	4.26	59.63	0.92	●	75	Colombia	0.23	7.11	0.40	
12	Switzerland	3.70	55.45	0.91		76	Chile	0.20	6.37	0.39	
13	Latvia	3.41	53.13	0.90	●	77	TFYR of Macedonia	0.20	6.37	0.38	
14	Turkey	3.03	49.86	0.89	●	78	Brazil	0.20	6.23	0.37	
15	United Kingdom	2.94	49.00	0.89		79	Côte d'Ivoire	0.19	6.14	0.37	
16	India	2.89	48.55	0.88	●	80	Botswana	0.19	6.08	0.36	
17	Indonesia	2.85	48.15	0.87	●	81	Luxembourg	0.17	5.34	0.35	
18	Korea, Rep.	2.68	46.51	0.86		82	Montenegro	0.16	5.10	0.34	
19	Tunisia (2013)	2.57	45.47	0.85	●	83	Senegal	0.15	4.75	0.33	
20	Bahrain	2.29	42.43	0.85	●	84	Madagascar	0.13	4.38	0.33	
21	Italy	2.28	42.34	0.84		85	Saudi Arabia (2013)	0.12	3.85	0.32	
22	Ireland	2.11	40.40	0.83		86	Honduras	0.10	3.20	0.31	
23	Japan	2.10	40.34	0.82		87	Iceland	0.08	2.81	0.30	○
24	Germany	2.01	39.19	0.81		88	Ghana (2013)	0.07	2.41	0.29	
25	Israel	1.71	35.48	0.80		89	Paraguay	0.07	2.29	0.28	
26	Sweden	1.71	35.45	0.80		90	Malawi	0.07	2.19	0.28	
27	United States of America	1.65	34.67	0.79		91	Tanzania, United Rep.	0.06	2.05	0.27	
28	Denmark	1.63	34.40	0.78		92	Uruguay	0.06	2.03	0.26	
29	France	1.62	34.24	0.77		93	Bangladesh (2011)	0.06	1.99	0.25	
30	Lithuania	1.61	34.13	0.76		94	Nicaragua	0.06	1.95	0.24	
31	Egypt	1.59	33.85	0.76	●	95	Kyrgyzstan (2013)	0.06	1.95	0.24	
32	Belgium	1.57	33.47	0.75		96	Jamaica	0.05	1.64	0.23	
33	Dominican Republic	1.49	32.37	0.74	●	97	Ecuador	0.05	1.59	0.22	
34	Austria	1.45	31.82	0.73		98	Moldova, Rep.	0.04	1.43	0.21	
35	Romania	1.36	30.41	0.72		99	Uganda	0.04	1.37	0.20	
36	Portugal	1.30	29.54	0.72		100	Rwanda	0.04	1.33	0.20	
37	Estonia	1.19	27.78	0.71		101	Albania	0.03	1.16	0.19	
38	Greece	1.00	24.42	0.70		102	Zambia	0.03	1.08	0.18	
39	Jordan	0.94	23.31	0.69	●	103	Georgia	0.03	0.95	0.17	
40	Canada	0.93	23.28	0.68		104	Ethiopia	0.03	0.94	0.16	
41	Lebanon	0.82	21.16	0.67		105	Togo (2013)	0.02	0.81	0.15	
42	South Africa	0.82	21.06	0.67		106	Burkina Faso	0.02	0.68	0.15	
43	Serbia	0.82	21.02	0.66		107	Oman	0.02	0.66	0.14	
44	Spain	0.81	20.91	0.65		108	Niger	0.02	0.55	0.13	
45	Croatia	0.81	20.87	0.64		109	Cyprus	0.02	0.53	0.12	○
46	Slovenia	0.80	20.63	0.63		110	Panama	0.02	0.52	0.11	
47	Russian Federation	0.79	20.49	0.63		111	Burundi	0.01	0.49	0.11	
48	Bulgaria	0.78	20.39	0.62		112	Guinea	0.01	0.46	0.10	
49	Bolivia, Plurinational St.	0.73	19.33	0.61	●	113	Azerbaijan	0.01	0.43	0.09	○
50	Finland	0.72	19.02	0.60		114	Cameroon	0.01	0.42	0.08	
51	El Salvador	0.71	18.85	0.59		115	Nigeria	0.01	0.40	0.07	
52	Mauritius	0.70	18.56	0.59		116	Bhutan (2012)	0.01	0.35	0.07	
53	Australia	0.69	18.51	0.58		117	Mozambique	0.01	0.35	0.06	
54	Costa Rica (2013)	0.68	18.28	0.57		118	Benin	0.01	0.33	0.05	
55	Namibia	0.67	18.08	0.56		119	Mongolia	0.01	0.23	0.04	○
56	Ukraine	0.63	17.27	0.55		120	Mali (2012)	0.00	0.15	0.03	
57	Kazakhstan	0.60	16.53	0.54		121	United Arab Emirates	0.00	0.08	0.02	○
58	Iran, Islamic Rep. (2011)	0.54	15.04	0.54		122	Yemen	0.00	0.05	0.02	
59	Malta	0.50	14.11	0.53		123	Algeria	0.00	0.03	0.01	○
60	Armenia	0.49	14.03	0.52		124	Qatar	0.00	0.00	0.00	○
61	Norway	0.48	13.63	0.51	○	n/a	Morocco	n/a	n/a	n/a	
62	Cambodia (2013)	0.44	12.77	0.50	●	n/a	Philippines	n/a	n/a	n/a	
63	Peru	0.36	10.68	0.50		n/a	Tajikistan	n/a	n/a	n/a	
64	Guatemala	0.33	9.92	0.49		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	

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

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Score (0–100)	Score (0–100)	Percent rank	
1	Iceland	100.00	100.00	0.98	●	65	Nicaragua	3.04	3.04	0.50	
1	Luxembourg	100.00	100.00	0.98	●	66	Armenia	2.97	2.97	0.49	
1	United States of America	100.00	100.00	0.98	●	67	Tunisia	2.87	2.87	0.48	
4	Malta	99.12	99.12	0.98	●	68	Dominican Republic	2.84	2.84	0.47	
5	Netherlands	82.49	82.49	0.97	●	69	Mexico	2.73	2.73	0.46	
6	Canada	81.56	81.56	0.96	●	70	Viet Nam	2.69	2.69	0.46	
7	Hong Kong (China)	74.07	74.07	0.95		71	El Salvador	2.67	2.67	0.45	
8	Cyprus	73.10	73.10	0.94	●	72	Bosnia and Herzegovina	2.53	2.53	0.44	
9	Australia	68.72	68.72	0.94		73	Bhutan	2.37	2.37	0.43	
10	Ireland	65.81	65.81	0.93		74	China	2.32	2.32	0.43	
11	United Kingdom	65.75	65.75	0.92		75	Ecuador	2.29	2.29	0.42	
12	Switzerland	64.94	64.94	0.91		76	Chile	2.29	2.29	0.41	
13	Germany	59.13	59.13	0.91		77	Moldova, Rep.	2.23	2.23	0.40	
14	Norway	55.38	55.38	0.90		78	Venezuela, Bolivarian Rep.	2.15	2.15	0.39	
15	Denmark	51.17	51.17	0.89		79	Jamaica	2.07	2.07	0.39	
16	Panama	49.03	49.03	0.88	●	80	Oman	1.99	1.99	0.38	
17	Sweden	45.70	45.70	0.87		81	Bolivia, Plurinational St.	1.95	1.95	0.37	
18	France	43.88	43.88	0.87		82	Iran, Islamic Rep.	1.95	1.95	0.36	
19	Austria	39.32	39.32	0.86		83	Georgia	1.89	1.89	0.35	
20	New Zealand	37.12	37.12	0.85		84	Belarus	1.84	1.84	0.35	
21	Finland	31.10	31.10	0.84		85	Paraguay	1.83	1.83	0.34	
22	Spain	29.71	29.71	0.83		86	Montenegro	1.76	1.76	0.33	
23	Singapore	27.91	27.91	0.83		87	Morocco	1.72	1.72	0.32	
24	Israel	24.67	24.67	0.82		88	Indonesia	1.71	1.71	0.31	
25	Italy	24.39	24.39	0.81		89	Brazil	1.69	1.69	0.31	
26	Belgium	23.69	23.69	0.80		90	Serbia	1.56	1.56	0.30	
27	Bulgaria	23.61	23.61	0.80	●	91	Egypt	1.33	1.33	0.29	
28	Slovenia	22.66	22.66	0.79		92	Philippines	1.24	1.24	0.28	
29	Portugal	19.71	19.71	0.78		93	Botswana	1.20	1.20	0.28	
30	Czech Republic	17.95	17.95	0.77		94	Azerbaijan	1.15	1.15	0.27	
31	Japan	16.39	16.39	0.76		95	Kenya	1.15	1.15	0.26	
32	Croatia	14.89	14.89	0.76		96	Senegal	1.12	1.12	0.25	
33	Lithuania	14.14	14.14	0.75		97	Niger	1.11	1.11	0.24	
34	Mauritius	13.52	13.52	0.74		98	India	1.02	1.02	0.24	
35	Turkey	13.16	13.16	0.73		99	Cambodia	0.85	0.85	0.23	
36	Greece	13.10	13.10	0.72		100	Sri Lanka	0.83	0.83	0.22	
37	Costa Rica	12.30	12.30	0.72		101	Ghana	0.69	0.69	0.21	
38	United Arab Emirates	11.91	11.91	0.71		102	Togo	0.69	0.69	0.20	
39	Hungary	11.01	11.01	0.70		103	Mongolia	0.67	0.67	0.20	
40	Estonia	9.91	9.91	0.69		104	Honduras	0.67	0.67	0.19	
41	Latvia	9.89	9.89	0.69		105	Benin	0.66	0.66	0.18	
42	Namibia	9.31	9.31	0.68	●	106	Pakistan	0.65	0.65	0.17	
43	Kuwait	8.84	8.84	0.67		107	Nigeria	0.57	0.57	0.17	
44	Korea, Rep.	8.70	8.70	0.66		108	Côte d'Ivoire	0.55	0.55	0.16	
45	Poland	7.54	7.54	0.65		109	Algeria	0.52	0.52	0.15	
46	Lebanon	7.38	7.38	0.65		110	Nepal	0.50	0.50	0.14	
47	Jordan	7.15	7.15	0.64		111	Yemen	0.40	0.40	0.13	
48	Albania	7.13	7.13	0.63		112	Bangladesh	0.39	0.39	0.13	
49	Uruguay	6.98	6.98	0.62		113	Kazakhstan	0.39	0.39	0.12	○
50	TFYR of Macedonia	6.95	6.95	0.61		114	Uganda	0.26	0.26	0.11	
51	Malaysia	6.79	6.79	0.61		115	Kyrgyzstan	0.22	0.22	0.10	
52	Bahrain	5.99	5.99	0.60		116	Malawi	0.21	0.21	0.09	
53	Thailand	5.68	5.68	0.59		117	Cameroon	0.19	0.19	0.09	
54	Peru	5.63	5.63	0.58		118	Tanzania, United Rep.	0.18	0.18	0.08	
55	Romania	5.00	5.00	0.57		119	Rwanda	0.16	0.16	0.07	
56	Qatar	4.73	4.73	0.57		120	Mali	0.16	0.16	0.06	
57	Ukraine	4.64	4.64	0.56		121	Madagascar	0.14	0.14	0.06	
58	Guatemala	4.61	4.61	0.55		122	Zambia	0.12	0.12	0.05	○
59	Russian Federation	3.49	3.49	0.54		123	Burkina Faso	0.08	0.08	0.04	○
60	South Africa	3.49	3.49	0.54		124	Guinea	0.06	0.06	0.03	
61	Slovakia	3.39	3.39	0.53		125	Tajikistan	0.06	0.06	0.02	○
62	Saudi Arabia	3.35	3.35	0.52		126	Burundi	0.05	0.05	0.02	
63	Argentina	3.27	3.27	0.51		127	Mozambique	0.04	0.04	0.01	○
64	Colombia	3.06	3.06	0.50		128	Ethiopia	0.00	0.00	0.00	○

SOURCE: ZookNIC Inc; United Nations, *World Population Prospects: The 2015 Revision* (population)

NOTE: ● indicates a strength; ○ a weakness

7.3.2 Country-code top-level domains (ccTLDs)

Country-code top-level domains (ccTLDs) (per thousand population 15–69 years old) | 2015

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Score (0–100)	Score (0–100)	Percent rank	
1	Denmark	100.00	100.00	0.97	●	65	Turkey	2.46	2.46	0.50	
1	Germany	100.00	100.00	0.97	●	66	Bulgaria	2.41	2.41	0.49	
1	Montenegro	100.00	100.00	0.97	●	67	Bosnia and Herzegovina	2.14	2.14	0.48	
1	Netherlands	100.00	100.00	0.97	●	68	Costa Rica	1.88	1.88	0.47	
1	Switzerland	100.00	100.00	0.97	●	69	Mongolia	1.75	1.75	0.46	
6	Iceland	86.05	86.05	0.96	●	70	Botswana	1.66	1.66	0.46	
7	United Kingdom	83.85	83.85	0.95		71	TFYR of Macedonia	1.64	1.64	0.45	
8	Luxembourg	74.53	74.53	0.94		72	Albania	1.61	1.61	0.44	
9	Sweden	73.82	73.82	0.94		73	Paraguay	1.54	1.54	0.43	
10	New Zealand	73.74	73.74	0.93		74	Bahrain	1.51	1.51	0.43	
11	Austria	73.62	73.62	0.92	●	75	Peru	1.51	1.51	0.42	
12	Belgium	69.07	69.07	0.91		76	Panama	1.45	1.45	0.41	
13	Norway	65.33	65.33	0.91		77	Ecuador	1.40	1.40	0.40	
14	Australia	62.88	62.88	0.90		78	Dominican Republic	1.30	1.30	0.39	
15	Czech Republic	56.99	56.99	0.89	●	79	Azerbaijan	1.21	1.21	0.39	
16	Estonia	39.08	39.08	0.88		80	Jamaica	1.16	1.16	0.38	
17	Portugal	37.91	37.91	0.87		81	Nepal	0.90	0.90	0.37	
18	Canada	35.56	35.56	0.87		82	Morocco	0.89	0.89	0.36	
19	Finland	34.91	34.91	0.86		83	Bhutan	0.72	0.72	0.35	
20	Hungary	33.60	33.60	0.85	●	84	India	0.70	0.70	0.35	
21	Poland	33.14	33.14	0.84	●	85	Kenya	0.69	0.69	0.34	
22	Latvia	30.65	30.65	0.83		86	Saudi Arabia	0.69	0.69	0.33	
23	Lithuania	30.36	30.36	0.83		87	El Salvador	0.68	0.68	0.32	
24	Slovakia	29.03	29.03	0.82	●	88	Nicaragua	0.65	0.65	0.31	
25	Slovenia	28.32	28.32	0.81		89	Bolivia, Plurinational St.	0.60	0.60	0.31	
26	Italy	24.52	24.52	0.80		90	Guatemala	0.60	0.60	0.30	
27	France	23.90	23.90	0.80		91	Honduras	0.54	0.54	0.29	
28	Ireland	23.17	23.17	0.79		92	Kyrgyzstan	0.49	0.49	0.28	
29	Colombia	20.97	20.97	0.78		93	Kuwait	0.48	0.48	0.28	
30	Romania	20.59	20.59	0.77	●	94	Thailand	0.45	0.45	0.27	
31	Spain	19.49	19.49	0.76		95	Tajikistan	0.43	0.43	0.26	
32	Greece	19.48	19.48	0.76		96	Philippines	0.38	0.38	0.25	
33	Russian Federation	16.99	16.99	0.75		97	Jordan	0.35	0.35	0.24	
34	Israel	16.01	16.01	0.74		98	Lebanon	0.33	0.33	0.24	
35	Singapore	14.70	14.70	0.73		99	Cameroon	0.33	0.33	0.23	
36	Mali	13.73	13.73	0.72	●	100	Indonesia	0.31	0.31	0.22	
37	Chile	13.58	13.58	0.72		101	Tunisia	0.25	0.25	0.21	
38	Uruguay	11.36	11.36	0.71	●	102	Sri Lanka	0.21	0.21	0.20	
39	Croatia	10.71	10.71	0.70		103	Côte d'Ivoire	0.17	0.17	0.20	
40	South Africa	10.16	10.16	0.69		104	Oman	0.16	0.16	0.19	
41	Korea, Rep.	9.34	9.34	0.69		105	Senegal	0.15	0.15	0.18	
42	Hong Kong (China)	8.95	8.95	0.68		106	Pakistan	0.13	0.13	0.17	
43	Brazil	8.93	8.93	0.67		107	Tanzania, United Rep.	0.13	0.13	0.17	
44	Malta	8.75	8.75	0.66		108	Nigeria	0.12	0.12	0.16	
45	United Arab Emirates	6.83	6.83	0.65		109	Burundi	0.11	0.11	0.15	
46	Argentina	6.82	6.82	0.65		110	Malawi	0.10	0.10	0.14	
47	Belarus	6.27	6.27	0.64		111	Mozambique	0.10	0.10	0.13	
48	Ukraine	5.98	5.98	0.63		112	Algeria	0.10	0.10	0.13	
49	Japan	5.84	5.84	0.62		113	Cambodia	0.09	0.09	0.12	
50	China	5.53	5.53	0.61		114	Rwanda	0.08	0.08	0.11	
51	Cyprus	5.46	5.46	0.61		115	Guinea	0.06	0.06	0.10	
52	Malaysia	5.26	5.26	0.60		116	Uganda	0.06	0.06	0.09	
53	Venezuela, Bolivarian Rep.	5.16	5.16	0.59	●	117	Madagascar	0.05	0.05	0.09	
54	Serbia	4.93	4.93	0.58		118	Namibia	0.05	0.05	0.08	○
55	Iran, Islamic Rep.	4.53	4.53	0.57		119	Egypt	0.04	0.04	0.07	○
56	Armenia	4.52	4.52	0.57		120	Burkina Faso	0.04	0.04	0.06	
57	Qatar	4.03	4.03	0.56		121	Yemen	0.02	0.02	0.06	
58	Kazakhstan	3.60	3.60	0.55		122	Benin	0.02	0.02	0.05	○
59	Mexico	3.22	3.22	0.54		123	Togo	0.02	0.02	0.04	○
60	Viet Nam	3.15	3.15	0.54		124	Bangladesh	0.02	0.02	0.03	○
61	Moldova, Rep.	2.81	2.81	0.53		125	Ethiopia	0.01	0.01	0.02	○
62	Mauritius	2.79	2.79	0.52		126	Niger	0.00	0.00	0.02	○
63	United States of America	2.62	2.62	0.51		127	Zambia	0.00	0.00	0.01	○
64	Georgia	2.55	2.55	0.50		128	Ghana	0.00	0.00	0.00	

SOURCE: ZookNIC Inc; United Nations, *World Population Prospects: The 2015 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	Iceland	13,529.16	100.00	1.00	●	65	Saudi Arabia	1,469.75	10.83	0.50	
2	Hong Kong (China)	11,073.54	81.84	0.99	●	66	Kuwait	1,452.23	10.70	0.49	
3	Ireland	9,744.51	72.01	0.98	●	67	Panama	1,416.52	10.43	0.48	
4	United Kingdom	9,652.35	71.33	0.98	●	68	Philippines	1,298.29	9.56	0.47	
5	Malta	9,424.37	69.65	0.97	●	69	Dominican Republic	1,155.11	8.50	0.46	
6	Netherlands	9,406.73	69.52	0.96	●	70	Jordan	1,037.91	7.64	0.46	
7	Finland	8,836.02	65.30	0.95		71	Mauritius	998.83	7.35	0.45	
8	Israel	7,906.33	58.42	0.94		72	Mongolia	984.67	7.24	0.44	
9	Australia	7,868.46	58.14	0.94		73	Brazil	971.19	7.14	0.43	
10	New Zealand	7,816.31	57.76	0.93		74	Thailand	944.02	6.94	0.43	
11	Estonia	7,671.34	56.69	0.92	●	75	Romania	934.51	6.87	0.42	
12	Sweden	7,625.05	56.34	0.91		76	El Salvador	921.31	6.77	0.41	
13	Italy	7,569.56	55.93	0.91	●	77	Kazakhstan	919.66	6.76	0.40	
14	Luxembourg	7,322.33	54.10	0.90		78	Lebanon	876.27	6.44	0.39	
15	Norway	7,232.92	53.44	0.89		79	Paraguay	872.44	6.41	0.39	
16	Canada	7,167.23	52.96	0.88		80	Moldova, Rep.	812.65	5.97	0.38	
17	Belgium	6,650.74	49.14	0.87		81	Turkey	793.91	5.83	0.37	
18	Uruguay	6,005.16	44.36	0.87	●	82	Jamaica	779.80	5.73	0.36	
19	Germany	5,952.06	43.97	0.86		83	Honduras	777.82	5.71	0.35	
20	Spain	5,678.19	41.95	0.85		84	Guatemala	774.87	5.69	0.35	
21	Chile	5,520.35	40.78	0.84	●	85	Nicaragua	691.17	5.07	0.34	
22	Cyprus	5,408.77	39.95	0.83		86	Oman	637.37	4.67	0.33	
23	Denmark	5,288.93	39.07	0.83		87	Bolivia, Plurinational St.	590.48	4.33	0.32	
24	Montenegro	5,218.33	38.55	0.82	●	88	Sri Lanka	536.61	3.93	0.31	
25	United States of America	5,148.43	38.03	0.81		89	Tunisia	499.87	3.66	0.31	
26	Austria	4,879.46	36.04	0.80		90	Egypt	439.07	3.21	0.30	
27	France	4,814.47	35.56	0.80		91	Algeria	399.68	2.92	0.29	
28	Bulgaria	4,772.61	35.25	0.79		92	Morocco	390.44	2.85	0.28	
29	Serbia	4,693.03	34.66	0.78	●	93	South Africa	363.80	2.65	0.28	○
30	Armenia	4,651.34	34.35	0.77	●	94	Kyrgyzstan	332.09	2.42	0.27	
31	Greece	4,568.81	33.74	0.76		95	Viet Nam	267.66	1.94	0.26	
32	Switzerland	4,555.61	33.65	0.76		96	India	264.59	1.92	0.25	
33	Korea, Rep.	4,407.70	32.55	0.75		97	Indonesia	260.62	1.89	0.24	
34	Bosnia and Herzegovina	3,913.21	28.90	0.74	●	98	Pakistan	244.77	1.77	0.24	
35	Argentina	3,777.59	27.89	0.73	●	99	Botswana	240.54	1.74	0.23	
36	Lithuania	3,619.07	26.72	0.72		100	Namibia	224.05	1.62	0.22	
37	Croatia	3,562.67	26.30	0.72		101	Nepal	218.24	1.57	0.21	
38	Slovakia	3,369.56	24.88	0.71		102	Cambodia	202.64	1.46	0.20	
39	Slovenia	3,298.34	24.35	0.70		103	Bhutan	178.93	1.28	0.20	
40	Japan	3,292.10	24.30	0.69		104	China	149.78	1.07	0.19	○
41	Czech Republic	3,275.29	24.18	0.69		105	Bangladesh	121.58	0.86	0.18	
42	Portugal	3,156.39	23.30	0.68		106	Yemen	117.46	0.83	0.17	
43	TFYR of Macedonia	3,131.69	23.12	0.67		107	Kenya	107.00	0.75	0.17	
44	Latvia	3,087.05	22.79	0.66		108	Ghana	101.69	0.71	0.16	
45	Hungary	2,890.88	21.34	0.65		109	Tajikistan	97.53	0.68	0.15	
46	Poland	2,614.24	19.29	0.65		110	Senegal	51.45	0.34	0.14	
47	Albania	2,576.69	19.01	0.64		111	Uganda	46.51	0.30	0.13	
48	Singapore	2,562.14	18.91	0.63		112	Zambia	44.34	0.29	0.13	
49	Colombia	2,259.65	16.67	0.62		113	Tanzania, United Rep.	38.61	0.25	0.12	
50	Costa Rica	2,245.22	16.56	0.61		114	Rwanda	38.57	0.25	0.11	
51	Iran, Islamic Rep.	2,091.36	15.42	0.61	●	115	Nigeria	36.19	0.23	0.10	
52	Qatar	2,058.25	15.18	0.60		116	Mozambique	27.50	0.16	0.09	
53	Peru	1,929.56	14.23	0.59		117	Cameroon	27.50	0.16	0.09	
54	United Arab Emirates	1,889.24	13.93	0.58		118	Ethiopia	23.93	0.14	0.08	
55	Belarus	1,864.61	13.75	0.57		119	Côte d'Ivoire	23.74	0.14	0.07	○
56	Ecuador	1,804.13	13.30	0.57		120	Benin	19.59	0.11	0.06	
57	Azerbaijan	1,709.38	12.60	0.56		121	Madagascar	16.14	0.08	0.06	
58	Malaysia	1,677.11	12.36	0.55		122	Malawi	14.19	0.07	0.05	
59	Venezuela, Bolivarian Rep.	1,623.93	11.97	0.54		123	Togo	13.60	0.06	0.04	○
60	Georgia	1,586.93	11.69	0.54		124	Mali	12.71	0.05	0.03	○
61	Russian Federation	1,568.96	11.56	0.53		125	Burkina Faso	8.72	0.02	0.02	○
62	Bahrain	1,547.68	11.40	0.52		126	Burundi	7.62	0.02	0.02	
63	Mexico	1,479.01	10.90	0.51		127	Guinea	5.62	0.00	0.01	○
64	Ukraine	1,472.06	10.85	0.50		128	Niger	5.34	0.00	0.00	○

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

NOTE: ● indicates a strength; ○ a weakness

7.3.4 Video uploads on YouTube

Number of video uploads on YouTube (scaled by population 15–69 years old) | 2015

Rank	Country/Economy	Value	Score (0–100)	Percent rank		Rank	Country/Economy	Score (0–100)	Score (0–100)	Percent rank	
1	United States of America	100.00	100.00	1.00	●	65	Indonesia	7.38	7.38	0.12	
2	Netherlands	85.85	85.85	0.99	●	66	Algeria	4.49	4.49	0.11	
3	Hong Kong (China)	84.50	84.50	0.97	●	67	South Africa	2.95	2.95	0.10	○
4	United Kingdom	82.42	82.42	0.96		68	India	1.53	1.53	0.08	○
5	Latvia	79.32	79.32	0.95	●	69	Senegal	1.43	1.43	0.07	○
6	Estonia	79.23	79.23	0.93	●	70	Kenya	0.89	0.89	0.05	○
7	Israel	76.69	76.69	0.92		71	Yemen	0.67	0.67	0.04	
8	Canada	74.83	74.83	0.90		72	Ghana	0.60	0.60	0.03	○
9	Finland	71.07	71.07	0.89		73	Uganda	0.19	0.19	0.01	○
10	Singapore	69.06	69.06	0.88		74	Nigeria	0.00	0.00	0.00	○
11	Denmark	67.38	67.38	0.86		n/a	Albania	n/a	n/a	n/a	
12	Switzerland	66.16	66.16	0.85		n/a	Armenia	n/a	n/a	n/a	
13	Ireland	65.33	65.33	0.84		n/a	Azerbaijan	n/a	n/a	n/a	
14	Sweden	64.76	64.76	0.82		n/a	Bangladesh	n/a	n/a	n/a	
15	New Zealand	63.24	63.24	0.81		n/a	Belarus	n/a	n/a	n/a	
16	Australia	54.63	54.63	0.79		n/a	Benin	n/a	n/a	n/a	
17	Korea, Rep.	53.97	53.97	0.78		n/a	Bhutan	n/a	n/a	n/a	
18	Spain	52.09	52.09	0.77		n/a	Bolivia, Plurinational St.	n/a	n/a	n/a	
19	Norway	51.95	51.95	0.75		n/a	Botswana	n/a	n/a	n/a	
20	Czech Republic	51.41	51.41	0.74		n/a	Burkina Faso	n/a	n/a	n/a	
21	Hungary	49.60	49.60	0.73		n/a	Burundi	n/a	n/a	n/a	
22	France	46.90	46.90	0.71		n/a	Cambodia	n/a	n/a	n/a	
23	Lithuania	45.18	45.18	0.70		n/a	Cameroon	n/a	n/a	n/a	
24	Portugal	44.86	44.86	0.68		n/a	China	n/a	n/a	n/a	
25	Belgium	44.63	44.63	0.67		n/a	Costa Rica	n/a	n/a	n/a	
26	Greece	44.07	44.07	0.66		n/a	Côte d'Ivoire	n/a	n/a	n/a	
27	Japan	39.82	39.82	0.64		n/a	Cyprus	n/a	n/a	n/a	
28	Germany	38.83	38.83	0.63		n/a	Dominican Republic	n/a	n/a	n/a	
29	Austria	37.26	37.26	0.62		n/a	Ecuador	n/a	n/a	n/a	
30	Russian Federation	36.52	36.52	0.60		n/a	El Salvador	n/a	n/a	n/a	
31	Romania	35.58	35.58	0.59		n/a	Ethiopia	n/a	n/a	n/a	
32	Poland	35.34	35.34	0.58		n/a	Georgia	n/a	n/a	n/a	
33	Saudi Arabia	34.39	34.39	0.56		n/a	Guatemala	n/a	n/a	n/a	
34	Ukraine	33.70	33.70	0.55		n/a	Guinea	n/a	n/a	n/a	
35	Argentina	32.96	32.96	0.53		n/a	Honduras	n/a	n/a	n/a	
36	Slovenia	32.87	32.87	0.52		n/a	Iceland	n/a	n/a	n/a	
37	Chile	32.54	32.54	0.51		n/a	Iran, Islamic Rep.	n/a	n/a	n/a	
38	Italy	32.12	32.12	0.49		n/a	Jamaica	n/a	n/a	n/a	
39	Kuwait	30.36	30.36	0.48		n/a	Kazakhstan	n/a	n/a	n/a	
40	Bulgaria	29.55	29.55	0.47		n/a	Kyrgyzstan	n/a	n/a	n/a	
41	Slovakia	29.52	29.52	0.45		n/a	Luxembourg	n/a	n/a	n/a	
42	Brazil	28.84	28.84	0.44		n/a	Madagascar	n/a	n/a	n/a	
43	Bahrain	28.15	28.15	0.42		n/a	Malawi	n/a	n/a	n/a	
44	Serbia	28.11	28.11	0.41		n/a	Mali	n/a	n/a	n/a	
45	Croatia	27.92	27.92	0.40		n/a	Malta	n/a	n/a	n/a	
46	Qatar	26.64	26.64	0.38		n/a	Mauritius	n/a	n/a	n/a	
47	United Arab Emirates	26.60	26.60	0.37		n/a	Moldova, Rep.	n/a	n/a	n/a	
48	Thailand	21.55	21.55	0.36		n/a	Mongolia	n/a	n/a	n/a	
49	TFYR of Macedonia	21.29	21.29	0.34		n/a	Mozambique	n/a	n/a	n/a	
50	Mexico	20.85	20.85	0.33		n/a	Namibia	n/a	n/a	n/a	
51	Colombia	20.01	20.01	0.32		n/a	Nepal	n/a	n/a	n/a	
52	Bosnia and Herzegovina	19.63	19.63	0.30		n/a	Nicaragua	n/a	n/a	n/a	
53	Montenegro	19.32	19.32	0.29	○	n/a	Niger	n/a	n/a	n/a	
54	Peru	19.31	19.31	0.27		n/a	Pakistan	n/a	n/a	n/a	
55	Viet Nam	17.92	17.92	0.26		n/a	Panama	n/a	n/a	n/a	
56	Turkey	17.89	17.89	0.25		n/a	Paraguay	n/a	n/a	n/a	
57	Malaysia	16.22	16.22	0.23	○	n/a	Rwanda	n/a	n/a	n/a	
58	Lebanon	12.67	12.67	0.22		n/a	Sri Lanka	n/a	n/a	n/a	
59	Jordan	12.40	12.40	0.21	○	n/a	Tajikistan	n/a	n/a	n/a	
60	Morocco	12.35	12.35	0.19		n/a	Tanzania, United Rep.	n/a	n/a	n/a	
61	Philippines	8.84	8.84	0.18		n/a	Togo	n/a	n/a	n/a	
62	Tunisia	7.79	7.79	0.16		n/a	Uruguay	n/a	n/a	n/a	
63	Oman	7.71	7.71	0.15		n/a	Venezuela, Bolivarian Rep.	n/a	n/a	n/a	
64	Egypt	7.67	7.67	0.14		n/a	Zambia	n/a	n/a	n/a	

SOURCE: Google, parent company of YouTube; United Nations, Department of Economic and Social Affairs, Population Division, *World Population Prospects: The 2015 Revision* (population)

NOTE: ● indicates a strength; ○ a weakness