

Key indicators

Population (millions)	4.4
GDP per capita, PPP\$	18,338.5
GDP (US\$ billions)	64.2

	Score (0–100) or value (hard data)	Rank
Global Innovation Index 2012 (out of 141)	40.7	42
Innovation Output Sub-Index	34.9	45
Innovation Input Sub-Index	46.4	44
Innovation Efficiency Index	0.8	63
Global Innovation Index 2011 (out of 125)		44
GII 2012 rank among GII 2011 economies (125)		41

1	Institutions	69.2	41
1.1	Political environment	71.5	42
1.1.1	Political stability*.....	79.9	38
1.1.2	Government effectiveness*.....	57.2	43
1.1.3	Press freedom*.....	77.5	55
1.2	Regulatory environment	72.6	44
1.2.1	Regulatory quality*.....	66.0	46
1.2.2	Rule of law*.....	52.7	52
1.2.3	Cost of redundancy dismissal, salary weeks.....	15.1	69
1.3	Business environment	63.5	35
1.3.1	Ease of starting a business*.....	68.3	45
1.3.2	Ease of resolving insolvency*.....	39.5	85
1.3.3	Ease of paying taxes*.....	82.7	25 ●
2	Human capital & research	41.9	51
2.1	Education	57.8	48
2.1.1	Current expenditure on education, % GNI.....	3.9	80
2.1.2	Public expenditure/pupil, % GDP/cap.....	23.5	38
2.1.3	School life expectancy, years.....	13.9	52
2.1.4	PISA scales in reading, maths, & science.....	474.0	35
2.1.5	Pupil-teacher ratio, secondary.....	8.3	13 ●
2.2	Tertiary education	37.7	55
2.2.1	Tertiary enrolment, % gross.....	49.2	47
2.2.2	Graduates in science & engineering, %.....	24.4	29
2.2.3	Tertiary inbound mobility, %.....	0.5	89 ○
2.2.4	Gross tertiary outbound enrolment, %.....	2.4	35
2.3	Research & development (R&D)	30.0	42
2.3.1	Researchers, headcounts/mn pop.....	2,696.7	33
2.3.2	Gross expenditure on R&D, % GDP.....	0.8	40
2.3.3	Quality of scientific research institutions†.....	50.9	45
3	Infrastructure	44.9	36
3.1	Information & communication technologies (ICT)	51.7	39
3.1.1	ICT access*.....	70.5	28 ●
3.1.2	ICT use*.....	43.3	33
3.1.3	Government's online service*.....	64.1	40
3.1.4	E-participation*.....	29.0	52
3.2	General infrastructure	32.9	89
3.2.1	Electricity output, kWh/cap.....	2,865.7	61
3.2.2	Electricity consumption, kWh/cap.....	3,709.4	49
3.2.3	Quality of trade & transport infrastructure*.....	34.0	86
3.2.4	Gross capital formation, % GDP.....	23.4	58
3.3	Ecological sustainability	50.0	19 ●
3.3.1	GDP/unit of energy use, 2000 PPP\$/kg oil eq.....	7.3	33
3.3.2	Environmental performance*.....	64.2	20 ●
3.3.3	ISO 14001 environmental certificates/bn PPP\$ GDP.....	5.7	20 ●
4	Market sophistication	36.8	77
4.1	Credit	24.4	86
4.1.1	Ease of getting credit*.....	50.4	62
4.1.2	Domestic credit to private sector, % GDP.....	70.1	48
4.1.3	Microfinance gross loans, % GDP.....	0.0	82 ○

4.2	Investment	19.1	86
4.2.1	Ease of protecting investors*.....	15.8	110 ○
4.2.2	Market capitalization, % GDP.....	40.9	52
4.2.3	Total value of stocks traded, % GDP.....	1.7	65
4.2.4	Venture capital deals/tr PPP\$ GDP.....	12.3	41
4.3	Trade & competition	67.0	49
4.3.1	Applied tariff rate, weighted mean, %.....	1.2	9 ●
4.3.2	Non-agricultural mkt access weighted tariff, %.....	0.3	41
4.3.3	Imports of goods & services, % GDP.....	38.8	74
4.3.4	Exports of goods & services, % GDP.....	38.3	69
4.3.5	Intensity of local competition†.....	51.5	111 ○
5	Business sophistication	39.4	64
5.1	Knowledge workers	48.0	63
5.1.1	Knowledge-intensive employment, %.....	30.1	42
5.1.2	Firms offering formal training, % firms.....	28.0	68 ○
5.1.3	R&D performed by business, %.....	40.4	43
5.1.4	R&D financed by business, %.....	39.8	41
5.1.5	GMAT mean score.....	484.3	85
5.1.6	GMAT test takers/mn pop. 20–34.....	113.7	46
5.2	Innovation linkages	28.2	107 ○
5.2.1	University/industry research collaboration†.....	41.4	74
5.2.2	State of cluster development†.....	39.4	76
5.2.3	R&D financed by abroad, %.....	7.0	46
5.2.4	JV–strategic alliance deals/tr PPP\$ GDP.....	19.8	67
5.2.5	PCT patent filings with foreign inventor, %.....	26.7	69 ○
5.3	Knowledge absorption	41.9	44
5.3.1	Royalty & license fees payments/th GDP.....	3.7	28
5.3.2	High-tech imports less re-imports, %.....	7.5	76
5.3.3	Computer & comm. service imports, %.....	52.4	11 ●
5.3.4	FDI net inflows, % GDP.....	0.5	121 ○
6	Knowledge & technology outputs	34.0	45
6.1	Knowledge creation	35.1	39
6.1.1	Domestic resident patent ap/bn PPP\$ GDP.....	3.5	41
6.1.2	PCT resident patent ap/bn PPP\$ GDP.....	0.6	33
6.1.3	Domestic res utility model ap/bn PPP\$ GDP.....	1.2	27
6.1.4	Scientific & technical articles/bn PPP\$ GDP.....	14.8	29
6.2	Knowledge impact	44.9	33
6.2.1	Growth rate of PPP\$ GDP/worker, %.....	3.0	51
6.2.2	New businesses/th pop. 15–64.....	2.6	39
6.2.3	Computer software spending, % GDP.....	n/a	n/a
6.2.4	ISO 9001 quality certificates/bn PPP\$ GDP.....	26.7	18 ●
6.3	Knowledge diffusion	22.1	91 ○
6.3.1	Royalty & license fees receipts/th GDP.....	0.5	42
6.3.2	High-tech exports less re-exports, %.....	5.8	38
6.3.3	Computer & comm. service exports, %.....	14.7	105 ○
6.3.4	FDI net outflows, % GDP.....	-0.2	110 ○
7	Creative outputs	35.8	50
7.1	Creative intangibles	34.9	93 ○
7.1.1	Domestic res trademark reg/bn PPP\$ GDP.....	43.4	40
7.1.2	Madrid resident trademark reg/bn PPP\$ GDP.....	1.6	12 ●
7.1.3	ICT & business model creation†.....	49.2	75
7.1.4	ICT & organizational model creation†.....	36.5	108 ○
7.2	Creative goods & services	34.8	34
7.2.1	Recreation & culture consumption, %.....	7.6	28
7.2.2	National feature films/mn pop. 15–69.....	2.5	42
7.2.3	Paid-for dailies, circulation/th pop. 15–69.....	167.8	30
7.2.4	Creative goods exports, %.....	2.8	27 ●
7.2.5	Creative services exports, %.....	6.9	30
7.3	Online creativity	38.7	37
7.3.1	Generic top-level domains (TLDs)/th pop. 15–69.....	14.5	40
7.3.2	Country-code TLDs/th pop. 15–69.....	46.6	41
7.3.3	Wikipedia monthly edits/mn pop. 15–69.....	5,650.9	28
7.3.4	Video uploads on YouTube/pop. 15–69.....	65.0	38