

Key indicators

Population (millions)	312.9
GDP per capita, PPP\$	48,147.2
GDP (US\$ billions)	15,064.8

	Score (0–100) or value (hard data)	Rank
Global Innovation Index 2012 (out of 141)	57.7	10
Innovation Output Sub-Index	49.1	16
Innovation Input Sub-Index	66.3	9
Innovation Efficiency Index	0.7	70
Global Innovation Index 2011 (out of 125)	7	7
GII 2012 rank among GII 2011 economies (125)		10

1	Institutions	85.1	17
1.1	Political environment	78.5	29
1.1.1	Political stability*.....	72.8	52
1.1.2	Government effectiveness*.....	78.8	19
1.1.3	Press freedom*.....	83.8	41
1.2	Regulatory environment	94.4	13
1.2.1	Regulatory quality*.....	87.7	20
1.2.2	Rule of law*.....	89.8	17
1.2.3	Cost of redundancy dismissal, salary weeks.....	8.0	1 ●
1.3	Business environment	82.5	13
1.3.1	Ease of starting a business*.....	92.8	11
1.3.2	Ease of resolving insolvency*.....	91.3	13
1.3.3	Ease of paying taxes*.....	63.3	52
2	Human capital & research	53.4	22
2.1	Education	61.3	31
2.1.1	Current expenditure on education, % GNI.....	4.8	46
2.1.2	Public expenditure/pupil, % GDP/cap.....	22.0	46
2.1.3	School life expectancy, years.....	16.8	10
2.1.4	PISA scales in reading, maths, & science.....	496.4	23
2.1.5	Pupil-teacher ratio, secondary.....	13.8	61
2.2	Tertiary education	38.8	54
2.2.1	Tertiary enrolment, % gross.....	94.8	2 ●
2.2.2	Graduates in science & engineering, %.....	15.5	74 ○
2.2.3	Tertiary inbound mobility, %.....	3.4	42
2.2.4	Gross tertiary outbound enrolment, %.....	0.2	119 ○
2.3	Research & development (R&D)	60.1	12
2.3.1	Researchers, headcounts/mn pop.....	4,663.3	18
2.3.2	Gross expenditure on R&D, % GDP.....	2.8	9
2.3.3	Quality of scientific research institutions†.....	80.4	7
3	Infrastructure	56.1	14
3.1	Information & communication technologies (ICT)	80.9	5 ●
3.1.1	ICT access*.....	72.4	22
3.1.2	ICT use*.....	58.9	17
3.1.3	Government's online service*.....	100.0	1 ●
3.1.4	E-participation*.....	92.1	5 ●
3.2	General infrastructure	58.5	12
3.2.1	Electricity output, kWh/cap.....	13,990.7	9
3.2.2	Electricity consumption, kWh/cap.....	13,268.1	11
3.2.3	Quality of trade & transport infrastructure*.....	78.8	7
3.2.4	Gross capital formation, % GDP.....	15.1	129 ○
3.3	Ecological sustainability	29.0	73
3.3.1	GDP/unit of energy use, 2000 PPP\$/kg oil eq.....	5.2	71
3.3.2	Environmental performance*.....	56.6	48
3.3.3	ISO 14001 environmental certificates/bn PPP\$ GDP.....	0.3	93 ○
4	Market sophistication	76.8	2 ●
4.1	Credit	83.8	2 ●
4.1.1	Ease of getting credit*.....	97.1	4
4.1.2	Domestic credit to private sector, % GDP.....	202.2	6 ●
4.1.3	Microfinance gross loans, % GDP.....	n/a	n/a

4.2	Investment	83.0	2 ●
4.2.1	Ease of protecting investors*.....	94.2	5
4.2.2	Market capitalization, % GDP.....	117.5	13
4.2.3	Total value of stocks traded, % GDP.....	208.8	1 ●
4.2.4	Venture capital deals/tr PPP\$ GDP.....	243.3	5 ●
4.3	Trade & competition	63.7	69
4.3.1	Applied tariff rate, weighted mean, %.....	1.8	41
4.3.2	Non-agricultural mkt access weighted tariff, %.....	1.1	76
4.3.3	Imports of goods & services, % GDP.....	16.2	139 ○
4.3.4	Exports of goods & services, % GDP.....	12.6	135 ○
4.3.5	Intensity of local competition†.....	76.8	17
5	Business sophistication	59.9	9
5.1	Knowledge workers	79.3	6 ●
5.1.1	Knowledge-intensive employment, %.....	36.3	28
5.1.2	Firms offering formal training, % firms.....	n/a	n/a
5.1.3	R&D performed by business, %.....	72.6	8
5.1.4	R&D financed by business, %.....	67.3	10
5.1.5	GMAT mean score.....	529.4	53
5.1.6	GMAT test takers/mn pop. 20–34.....	1,832.0	1 ●
5.2	Innovation linkages	58.5	8
5.2.1	University/industry research collaboration†.....	78.5	3 ●
5.2.2	State of cluster development†.....	63.2	9
5.2.3	R&D financed by abroad, %.....	n/a	n/a
5.2.4	JV–strategic alliance deals/tr PPP\$ GDP.....	46.1	29
5.2.5	PCT patent filings with foreign inventor, %.....	42.3	56
5.3	Knowledge absorption	41.7	46
5.3.1	Royalty & license fees payments/th GDP.....	2.3	40
5.3.2	High-tech imports less re-imports, %.....	17.3	15
5.3.3	Computer & comm. service imports, %.....	34.7	57
5.3.4	FDI net inflows, % GDP.....	1.6	89 ○
6	Knowledge & technology outputs	56.1	11
6.1	Knowledge creation	66.8	9
6.1.1	Domestic resident patent ap/bn PPP\$ GDP.....	16.7	8
6.1.2	PCT resident patent ap/bn PPP\$ GDP.....	3.2	14
6.1.3	Domestic res utility model ap/bn PPP\$ GDP.....	n/a	n/a
6.1.4	Scientific & technical articles/bn PPP\$ GDP.....	15.0	27
6.2	Knowledge impact	45.0	31
6.2.1	Growth rate of PPP\$ GDP/worker, %.....	3.5	42
6.2.2	New businesses/th pop. 15–64.....	n/a	n/a
6.2.3	Computer software spending, % GDP.....	0.9	7
6.2.4	ISO 9001 quality certificates/bn PPP\$ GDP.....	1.8	96 ○
6.3	Knowledge diffusion	56.3	13
6.3.1	Royalty & license fees receipts/th GDP.....	7.3	9
6.3.2	High-tech exports less re-exports, %.....	14.8	20
6.3.3	Computer & comm. service exports, %.....	45.4	30
6.3.4	FDI net outflows, % GDP.....	2.4	22
7	Creative outputs	42.2	33
7.1	Creative intangibles	37.0	84
7.1.1	Domestic res trademark reg/bn PPP\$ GDP.....	11.2	75 ○
7.1.2	Madrid resident trademark reg/bn PPP\$ GDP.....	0.3	41 ○
7.1.3	ICT & business model creation†.....	77.0	2 ●
7.1.4	ICT & organizational model creation†.....	60.1	25
7.2	Creative goods & services	37.2	27
7.2.1	Recreation & culture consumption, %.....	9.3	18
7.2.2	National feature films/mn pop. 15–69.....	3.5	34
7.2.3	Paid-for dailies, circulation/th pop. 15–69.....	212.4	22
7.2.4	Creative goods exports, %.....	2.5	34
7.2.5	Creative services exports, %.....	5.4	36
7.3	Online creativity	57.6	20
7.3.1	Generic top-level domains (TLDs)/th pop. 15–69.....	91.2	8
7.3.2	Country-code TLDs/th pop. 15–69.....	30.4	54
7.3.3	Wikipedia monthly edits/mn pop. 15–69.....	5,004.9	30
7.3.4	Video uploads on YouTube/pop. 15–69.....	83.2	2 ●