

Key indicators

Population (millions).....	3.9
GDP per capita, PPP\$.....	8,174.1
GDP (US\$ billions).....	18.3

	Score (0–100) or value (hard data)	Rank
Global Innovation Index 2012 (out of 141).....	34.2	72
Innovation Output Sub-Index.....	26.9	80
Innovation Input Sub-Index.....	41.4	66
Innovation Efficiency Index.....	0.6	102
Global Innovation Index 2011 (out of 125).....	76	
GII 2012 rank among GII 2011 economies (125).....	70	

1 Institutions.....	51.4	79
1.1 Political environment.....	50.3	84
1.1.1 Political stability*.....	49.2	103
1.1.2 Government effectiveness*.....	21.7	114
1.1.3 Press freedom*.....	80.1	49
1.2 Regulatory environment.....	70.6	51
1.2.1 Regulatory quality*.....	49.2	76
1.2.2 Rule of law*.....	38.1	77
1.2.3 Cost of redundancy dismissal, salary weeks.....	9.2	30 ●
1.3 Business environment.....	33.3	101
1.3.1 Ease of starting a business*.....	5.0	133 ○
1.3.2 Ease of resolving insolvency*.....	51.0	69
1.3.3 Ease of paying taxes*.....	43.8	79
2 Human capital & research.....	41.6	52
2.1 Education.....	70.3	9 ●
2.1.1 Current expenditure on education, % GNI.....	n/a	n/a
2.1.2 Public expenditure/pupil, % GDP/cap.....	n/a	n/a
2.1.3 School life expectancy, years.....	13.4	62
2.1.4 PISA scales in reading, maths, & science.....	n/a	n/a
2.1.5 Pupil-teacher ratio, secondary.....	12.6	56
2.2 Tertiary education.....	40.3	51
2.2.1 Tertiary enrolment, % gross.....	35.9	66
2.2.2 Graduates in science & engineering, %.....	n/a	n/a
2.2.3 Tertiary inbound mobility, %.....	n/a	n/a
2.2.4 Gross tertiary outbound enrolment, %.....	4.2	16 ●
2.3 Research & development (R&D).....	14.3	108
2.3.1 Researchers, headcounts/mn pop.....	781.4	61
2.3.2 Gross expenditure on R&D, % GDP.....	0.0	113 ○
2.3.3 Quality of scientific research institutions†.....	37.0	95
3 Infrastructure.....	28.9	90
3.1 Information & communication technologies (ICT).....	26.9	89
3.1.1 ICT access*.....	43.5	68
3.1.2 ICT use*.....	26.7	49
3.1.3 Government's online service*.....	37.3	98
3.1.4 E-participation*.....	0.0	127 ○
3.2 General infrastructure.....	28.9	108
3.2.1 Electricity output, kWh/cap.....	4,013.1	51
3.2.2 Electricity consumption, kWh/cap.....	2,867.5	59
3.2.3 Quality of trade & transport infrastructure*.....	30.5	102
3.2.4 Gross capital formation, % GDP.....	19.5	96
3.3 Ecological sustainability.....	30.8	69
3.3.1 GDP/unit of energy use, 2000 PPP\$/kg oil eq.....	5.6	63
3.3.2 Environmental performance*.....	36.8	116 ○
3.3.3 ISO 14001 environmental certificates/bn PPP\$ GDP.....	3.3	29 ●
4 Market sophistication.....	41.2	58
4.1 Credit.....	37.8	48
4.1.1 Ease of getting credit*.....	50.4	62
4.1.2 Domestic credit to private sector, % GDP.....	54.7	59
4.1.3 Microfinance gross loans, % GDP.....	3.8	13 ●

4.2 Investment.....	18.0	92
4.2.1 Ease of protecting investors*.....	35.9	76
4.2.2 Market capitalization, % GDP.....	n/a	n/a
4.2.3 Total value of stocks traded, % GDP.....	n/a	n/a
4.2.4 Venture capital deals/tr PPP\$ GDP.....	0.0	65 ○
4.3 Trade & competition.....	67.7	43
4.3.1 Applied tariff rate, weighted mean, %.....	1.8	40
4.3.2 Non-agricultural mkt access weighted tariff, %.....	0.0	4 ●
4.3.3 Imports of goods & services, % GDP.....	56.7	39
4.3.4 Exports of goods & services, % GDP.....	35.9	75
4.3.5 Intensity of local competition†.....	47.0	127 ○
5 Business sophistication.....	44.2	45
5.1 Knowledge workers.....	65.0	30 ●
5.1.1 Knowledge-intensive employment, %.....	n/a	n/a
5.1.2 Firms offering formal training, % firms.....	66.5	6 ●
5.1.3 R&D performed by business, %.....	n/a	n/a
5.1.4 R&D financed by business, %.....	n/a	n/a
5.1.5 GMAT mean score.....	484.9	82
5.1.6 GMAT test takers/mn pop. 20–34.....	48.1	81
5.2 Innovation linkages.....	43.1	43
5.2.1 University/industry research collaboration†.....	39.8	81
5.2.2 State of cluster development†.....	39.6	75
5.2.3 R&D financed by abroad, %.....	n/a	n/a
5.2.4 JV–strategic alliance deals/tr PPP\$ GDP.....	0.0	114 ○
5.2.5 PCT patent filings with foreign inventor, %.....	100.0	1 ●
5.3 Knowledge absorption.....	24.4	127 ○
5.3.1 Royalty & license fees payments/th GDP.....	0.3	98 ○
5.3.2 High-tech imports less re-imports, %.....	5.3	96
5.3.3 Computer & comm. service imports, %.....	24.9	86
5.3.4 FDI net inflows, % GDP.....	1.4	98
6 Knowledge & technology outputs.....	25.9	72
6.1 Knowledge creation.....	18.0	86
6.1.1 Domestic resident patent ap/bn PPP\$ GDP.....	1.8	56
6.1.2 PCT resident patent ap/bn PPP\$ GDP.....	0.2	59
6.1.3 Domestic res utility model ap/bn PPP\$ GDP.....	0.4	41
6.1.4 Scientific & technical articles/bn PPP\$ GDP.....	2.1	81
6.2 Knowledge impact.....	34.1	65
6.2.1 Growth rate of PPP\$ GDP/worker, %.....	-0.2	105 ○
6.2.2 New businesses/th pop. 15–64.....	0.6	80
6.2.3 Computer software spending, % GDP.....	n/a	n/a
6.2.4 ISO 9001 quality certificates/bn PPP\$ GDP.....	31.0	13 ●
6.3 Knowledge diffusion.....	25.7	72
6.3.1 Royalty & license fees receipts/th GDP.....	0.9	34
6.3.2 High-tech exports less re-exports, %.....	1.5	66
6.3.3 Computer & comm. service exports, %.....	30.5	58
6.3.4 FDI net outflows, % GDP.....	0.3	66
7 Creative outputs.....	27.9	90
7.1 Creative intangibles.....	33.0	103
7.1.1 Domestic res trademark reg/bn PPP\$ GDP.....	18.8	64
7.1.2 Madrid resident trademark reg/bn PPP\$ GDP.....	2.4	7 ●
7.1.3 ICT & business model creation†.....	42.7	103
7.1.4 ICT & organizational model creation†.....	30.5	120 ○
7.2 Creative goods & services.....	19.9	74
7.2.1 Recreation & culture consumption, %.....	4.7	57
7.2.2 National feature films/mn pop. 15–69.....	2.1	49
7.2.3 Paid-for dailies, circulation/th pop. 15–69.....	67.5	71
7.2.4 Creative goods exports, %.....	2.3	36 ●
7.2.5 Creative services exports, %.....	0.4	88
7.3 Online creativity.....	25.6	54
7.3.1 Generic top-level domains (TLDs)/th pop. 15–69.....	3.9	66
7.3.2 Country-code TLDs/th pop. 15–69.....	24.2	63
7.3.3 Wikipedia monthly edits/mn pop. 15–69.....	2,132.6	48
7.3.4 Video uploads on YouTube/pop. 15–69.....	63.3	44