

**Key indicators**

Population (millions).....	3.0
GDP (US\$ billions).....	10.3
GDP per capita, PPP\$.....	6,539.8
Income group.....	Lower-middle income
Region.....	Northern Africa and Western Asia

	Score 0–100 or value (hard data)	Rank
<b>Global Innovation Index (out of 141).....</b>	<b>37.3</b>	<b>61</b>
Innovation Output Sub-Index.....	32.8	51
Innovation Input Sub-Index.....	41.8	69
Innovation Efficiency Ratio.....	0.8	34
Global Innovation Index 2014 (out of 143).....	36.1	65
<b>1 Institutions.....</b>	<b>67.0</b>	<b>57</b>
1.1 Political environment.....	54.5	59
1.1.1 Political stability*.....	65.9	60
1.1.2 Government effectiveness*.....	43.2	63
1.2 Regulatory environment.....	70.3	53
1.2.1 Regulatory quality*.....	53.9	62
1.2.2 Rule of law*.....	39.3	79
1.2.3 Cost of redundancy dismissal, salary weeks.....	11.0	41
1.3 Business environment.....	76.0	42
1.3.1 Ease of starting a business*.....	97.8	4 ●
1.3.2 Ease of resolving insolvency*.....	48.1	66
1.3.3 Ease of paying taxes*.....	82.1	36
<b>2 Human capital &amp; research.....</b>	<b>19.0</b>	<b>105</b>
2.1 Education.....	26.4	127 ○
2.1.1 Expenditure on education, % GDP.....	2.3	122 ○
2.1.2 Gov't expenditure/pupil, secondary, % GDP/cap.....	17.7	71
2.1.3 School life expectancy, years <sup>Ⓞ</sup> .....	12.3	88
2.1.4 PISA scales in reading, maths, & science.....	n/a	n/a
2.1.5 Pupil-teacher ratio, secondary.....	n/a	n/a
2.2 Tertiary education.....	27.9	80
2.2.1 Tertiary enrolment, % gross.....	46.1	58
2.2.2 Graduates in science & engineering, % <sup>Ⓞ</sup> .....	15.9	78
2.2.3 Tertiary inbound mobility, %.....	3.0	53
2.3 Research & development (R&D).....	2.7	98
2.3.1 Researchers, FTE/mn pop.....	n/a	n/a
2.3.2 Gross expenditure on R&D, % GDP.....	0.2	83
2.3.3 QS university ranking, average score top 3*.....	0.0	73 ○
<b>3 Infrastructure.....</b>	<b>37.3</b>	<b>76</b>
3.1 Information & communication technologies (ICTs).....	50.2	57
3.1.1 ICT access*.....	56.4	68
3.1.2 ICT use*.....	30.2	70
3.1.3 Government's online service*.....	61.4	43
3.1.4 E-participation*.....	52.9	59
3.2 General infrastructure.....	25.4	97
3.2.1 Electricity output, kWh/cap.....	2,705.7	66
3.2.2 Logistics performance*.....	26.1	87
3.2.3 Gross capital formation, % GDP.....	22.4	62
3.3 Ecological sustainability.....	36.3	77
3.3.1 GDP/unit of energy use, 2005 PPP\$/kg oil eq.....	6.5	79
3.3.2 Environmental performance*.....	61.7	45
3.3.3 ISO 14001 environmental certificates/bn PPP\$ GDP.....	0.2	120 ○
<b>4 Market sophistication.....</b>	<b>54.7</b>	<b>36</b>
4.1 Credit.....	59.6	11 ●
4.1.1 Ease of getting credit*.....	65.0	34
4.1.2 Domestic credit to private sector, % GDP.....	45.2	75
4.1.3 Microfinance gross loans, % GDP.....	8.4	1 ●

4.2 Investment.....	26.1	113
4.2.1 Ease of protecting investors*.....	60.0	47
4.2.2 Market capitalization, % GDP.....	1.3	107 ○
4.2.3 Total value of stocks traded, % GDP.....	0.0	106 ○
4.2.4 Venture capital deals/tr PPP\$ GDP.....	0.1	30
4.3 Trade & competition.....	78.3	61
4.3.1 Applied tariff rate, weighted mean, %.....	2.3	48
4.3.2 Intensity of local competition <sup>†</sup> .....	64.5	82
<b>5 Business sophistication.....</b>	<b>31.0</b>	<b>89</b>
5.1 Knowledge workers.....	39.8	65
5.1.1 Knowledge-intensive employment, % <sup>Ⓞ</sup> .....	26.9	52
5.1.2 Firms offering formal training, % firms.....	14.2	101 ○
5.1.3 GERD performed by business, % of GDP.....	n/a	n/a
5.1.4 GERD financed by business, %.....	n/a	n/a
5.1.5 Females employed w/advanced degrees, % total.....	27.4	5 ●
5.2 Innovation linkages.....	20.8	122 ○
5.2.1 University/industry research collaboration <sup>†</sup> .....	34.2	109 ○
5.2.2 State of cluster development <sup>†</sup> .....	36.9	110 ○
5.2.3 GERD financed by abroad, %.....	2.8	75
5.2.4 JV-strategic alliance deals/tr PPP\$ GDP.....	n/a	n/a
5.2.5 Patent families 3+ offices/bn PPP\$ GDP <sup>Ⓞ</sup> .....	0.1	51
5.3 Knowledge absorption.....	32.4	72
5.3.1 Royalty & license fees payments, % total trade.....	n/a	n/a
5.3.2 High-tech imports less re-imports, % total trade.....	5.7	87
5.3.3 Comm., computer & info. services imp., % total trade.....	1.1	55
5.3.4 FDI net inflows, % GDP.....	3.5	50
<b>6 Knowledge &amp; technology outputs.....</b>	<b>30.6</b>	<b>46</b>
6.1 Knowledge creation.....	25.4	38
6.1.1 Domestic resident patent app/bn PPP\$ GDP.....	5.4	18 ●
6.1.2 PCT resident patent app/bn PPP\$ GDP.....	0.2	53
6.1.3 Domestic res utility model app/bn PPP\$ GDP.....	1.7	17
6.1.4 Scientific & technical articles/bn PPP\$ GDP.....	28.5	27 ●
6.1.5 Citable documents H index.....	116.0	61
6.2 Knowledge impact.....	36.6	72
6.2.1 Growth rate of PPP\$ GDP/worker, %.....	4.6	11 ●
6.2.2 New businesses/th pop. 15–64.....	1.5	54
6.2.3 Computer software spending, % GDP.....	n/a	n/a
6.2.4 ISO 9001 quality certificates/bn PPP\$ GDP.....	0.7	119 ○
6.2.5 High- & medium-high-tech manufactures, %.....	4.2	91 ○
6.3 Knowledge diffusion.....	29.7	60
6.3.1 Royalty & license fees receipts, % total trade.....	n/a	n/a
6.3.2 High-tech exports less re-exports, % total trade.....	0.2	93
6.3.3 Comm., computer & info. services exp., % total trade.....	2.8	21 ●
6.3.4 FDI net outflows, % GDP.....	0.2	85
<b>7 Creative outputs.....</b>	<b>35.1</b>	<b>55</b>
7.1 Intangible assets.....	51.3	40
7.1.1 Domestic res trademark app/bn PPP\$ GDP.....	86.2	18 ●
7.1.2 Madrid trademark app. holders/bn PPP\$ GDP.....	1.1	29
7.1.3 ICTs & business model creation <sup>†</sup> .....	59.2	54
7.1.4 ICTs & organizational model creation <sup>†</sup> .....	59.3	44
7.2 Creative goods & services.....	23.7	53
7.2.1 Cultural & creative services exports, % total trade.....	0.3	47
7.2.2 National feature films/mn pop. 15–69.....	13.1	12 ●
7.2.3 Global ent. & media output/th pop. 15–69.....	n/a	n/a
7.2.4 Printing & publishing output manufactures, %.....	1.6	43
7.2.5 Creative goods exports, % total trade.....	0.5	58
7.3 Online creativity.....	14.1	74
7.3.1 Generic top-level domains (TLDs)/th pop. 15–69.....	3.4	67
7.3.2 Country-code TLDs/th pop. 15–69.....	4.4	57
7.3.3 Wikipedia edits/pop. 15–69.....	4,651.3	30 ●
7.3.4 Video uploads on YouTube/pop. 15–69.....	n/a	n/a

NOTES: ● indicates a strength; ○ a weakness; \* an index; † a survey question.

Ⓞ indicates that the country's data are older than the base year; see Appendix II for details, including the year of the data.