



چارچوب شاخص جهانی نوآوری (GII) در سال 2016

Iran, Islamic Republic of

Key indicators

Population (billions)	76.1
GDP (B\$ billion)	383.6
GDP per capita, PPP	17,251.3
Income group	Upper-middle income
Region	Central and Southern Asia

	Score (out of 100)	Rank
Global Innovation Index (out of 128)	30.5	78
Innovation Output Sub-Index	25.3	72
Innovation Input Sub-Index	35.7	96
Innovation Efficiency Ratio	0.7	51
Global Innovation Index 2015 (out of 143)	28.4	106

1 Institutions 45.9 112

1.1 Political environment	54.0	102
1.1.1 Political stability & safety ^a	40.3	106
1.1.2 Government effectiveness ^a	27.6	92
1.2 Regulatory environment	42.3	115
1.2.1 Regulatory quality ^a	38.5	127
1.2.2 Rule of law ^a	21.4	122
1.2.3 Cost of redundancy dismissal, salary weeks	25.1	98
1.3 Business environment	61.4	90
1.3.1 Ease of starting a business ^a	85.7	68
1.3.2 Ease of resolving insolvency ^a	31.6	112
1.3.3 Ease of paying taxes ^a	66.8	88

2 Human capital & research 36.9 48

2.1 Education	59.3	89
2.1.1 Expenditure on education, % GDP	3.1	98
2.1.2 Gov't expenditure/pop, secondary, % GDP/cap	16.2	74
2.1.3 School life expectancy, years	14.8	52
2.1.4 PISA scales in reading, maths, & science	n/a	n/a
2.1.5 Pupil-teacher ratio, secondary	17.5	76
2.2 Tertiary education	62.9	4
2.2.1 Tertiary enrolment, % gross	66.0	31
2.2.2 Graduates in science & engineering, %	46.6	2
2.2.3 Tertiary inbound mobility, %	0.2	97
2.3 Research & development (R&D)	8.5	63
2.3.1 Researches, FTE/mn pop. ^b	691.4	53
2.3.2 Gross expenditure on R&D, % GDP ^b	0.3	74
2.3.3 Global R&D companies, avg. expend. top 5, mn \$US	0.0	45
2.3.4 QS university ranking, average score top 5 ^c	19.1	54

3 Infrastructure 36.7 91

3.1 Information & communication technologies (ICT)	37.0	85
3.1.1 ICT access ^a	59.7	67
3.1.2 ICT use ^a	21.9	91
3.1.3 Government's online service ^a	37.0	85
3.1.4 E-participation ^a	29.4	99
3.2 General infrastructure	61.4	41
3.2.1 Electricity output, kWh/cap	5,490.9	54
3.2.2 Logistics performance ^a	n/a	n/a
3.2.3 Gross capital formation, % GDP	30.8	17
3.3 Ecological sustainability	31.8	110
3.3.1 GDP/unit of energy use, 2005 PPP\$/kg oil eq.	4.6	103
3.3.2 Environmental performance ^a	66.3	89
3.3.3 ISO 14001 environmental certificate/mn PPP\$ GDP	0.6	78

4 Market sophistication 36.2 102

4.1 Credit	32.6	67
4.1.1 Ease of getting credit ^a	45.0	81
4.1.2 Domestic credit to private sector, % GDP	54.4	58
4.1.3 Microfinance gross loans, % GDP	n/a	n/a

4.2 Investment	24.3	117
4.2.1 Ease of protecting minority investors ^a	40.0	112
4.2.2 Market capitalization, % GDP	27.4	54
4.2.3 Total value of stocks traded, % GDP	5.5	42
4.2.4 Venture capital deals/mn PPP\$ GDP	n/a	n/a

4.3 Trade, competition, & market scale	51.8	96
4.3.1 Applied tariff rate, weighted mean, % ^b	15.2	125
4.3.2 Intensity of local competition ^c	55.7	112
4.3.3 Domestic market scale, bn PPP\$	1,357.0	18

5 Business sophistication 22.8 111

5.1 Knowledge workers	23.8	102
5.1.1 Knowledge-intensive employment, %	17.1	81
5.1.2 Firms offering formal training, % firms	n/a	n/a
5.1.3 GERD performed by business, % of GDP ^d	0.1	61
5.1.4 GERD financed by business, % ^d	30.9	49
5.1.5 Females employed w/advanced degrees, % total	n/a	n/a
5.2 Innovation linkages	30.4	65
5.2.1 University/industry research collaboration ^f	36.3	94
5.2.2 State of cluster development ^f	42.7	76
5.2.3 GERD financed by abroad, %	n/a	n/a
5.2.4 JV-strategic alliance deals/mn PPP\$ GDP	n/a	n/a
5.2.5 Patent families 2+ offices/mn PPP\$ GDP	0.0	113
5.3 Knowledge absorption	14.3	125
5.3.1 Intellectual property payments, % total trade ^g	0.2	86
5.3.2 High-tech imports less re-exports, % total trade ^g	4.0	109
5.3.3 ICT services imports, % total trade ^g	0.6	85
5.3.4 FDI net inflows, % GDP	0.5	115
5.3.5 Research talent, % in business enterprise ^h	15.0	60

6 Knowledge & technology outputs 24.0 65

6.1 Knowledge creation	34.5	26
6.1.1 Patents by origin/mn PPP\$ GDP	10.1	14
6.1.2 PCT patent applications/mn PPP\$ GDP	n/a	n/a
6.1.3 Utility models by origin/mn PPP\$ GDP	n/a	n/a
6.1.4 Scientific & technical articles/mn PPP\$ GDP	20.1	37
6.1.5 Citable documents H index	180.0	41
6.2 Knowledge impact	36.1	65
6.2.1 Growth rate of PPP\$ GDP/worker, %	1.0	64
6.2.2 New businesses/100 pop. 15-64	n/a	n/a
6.2.3 Computer software spending, % GDP	0.2	64
6.2.4 ISO 9001 quality certificates/mn PPP\$ GDP	2.0	87
6.2.5 High- & medium-high-tech manufactures, % ⁱ	33.8	33
6.3 Knowledge diffusion	1.4	127
6.3.1 Intellectual property receipts, % total trade ^g	0.0	83
6.3.2 High-tech exports less re-exports, % total trade ^g	0.5	72
6.3.3 ICT services exports, % total trade ^g	0.2	115
6.3.4 FDI net outflows, % GDP	n/a	n/a

7 Creative outputs 26.7 75

7.1 Intangible assets	45.8	55
7.1.1 Trademarks by origin/mn PPP\$ GDP	n/a	n/a
7.1.2 Industrial designs by origin/mn PPP\$ GDP	6.5	20
7.1.3 ICTs & business model creation ^f	54.7	77
7.1.4 ICTs & organizational model creation ^f	42.3	101
7.2 Creative goods & services	7.8	101
7.2.1 Cultural & creative services exports, % of total trade	n/a	n/a
7.2.2 National feature films/mn pop. 15-69	1.5	62
7.2.3 Global ent. & media market/100 pop. 15-69	n/a	n/a
7.2.4 Printing & publishing manufactures, % ^g	0.2	95
7.2.5 Creative goods exports, % total trade ^g	0.5	58
7.3 Online creativity	7.3	67
7.3.1 Generic top-level domains (TLDs)/100 pop. 15-69	1.9	82
7.3.2 Country-code TLDs/100 pop. 15-69	4.5	55
7.3.3 Wikipedia edits/mn pop. 15-69	7,091.4	51
7.3.4 Video uploads on YouTube/pop. 15-69	n/a	n/a

جایگاه ایران از نظر GII در سال 2016

Country/Economy	Score (0-100)	Rank	Income	Rank	Region	Rank	Efficiency Ratio	Rank	Median: 0.65
Serbia	33.75	65	UM	15	EUR	36	0.65	70	
India	33.61	66	LM	6	CSA	1	0.66	63	
Kuwait	33.61	67	HI	46	NAWA	10	0.73	42	
Panama	33.49	68	UM	16	LCN	6	0.66	61	
Brazil	33.19	69	UM	17	LCN	7	0.55	100	
Lebanon	32.70	70	UM	18	NAWA	11	0.73	41	
Peru	32.51	71	UM	19	LCN	8	0.51	109	
Morocco	32.26	72	LM	7	NAWA	12	0.66	64	
Oman	32.21	73	HI	47	NAWA	13	0.53	103	
Philippines	31.83	74	LM	8	SEAO	12	0.71	49	
Kazakhstan	31.51	75	UM	20	CSA	2	0.51	108	
Dominican Republic	30.55	76	UM	21	LCN	9	0.62	82	
Tunisia	30.55	77	UM	22	NAWA	14	0.60	86	
Iran, Islamic Rep.	30.52	78	UM	23	CSA	3	0.71	51	
Belarus	30.39	79	UM	24	EUR	37	0.45	116	
Kenya	30.36	80	LM	9	SSF	3	0.76	30	
Argentina	30.24	81	HI	48	LCN	10	0.56	98	
Jordan	30.04	82	UM	25	NAWA	15	0.67	58	
Rwanda	29.96	83	LI	1	SSF	4	0.38	123	
Mozambique	29.84	84	LI	2	SSF	5	0.73	45	
Azerbaijan	29.64	85	UM	26	NAWA	16	0.54	101	
Tajikistan	29.62	86	LM	10	CSA	4	0.77	29	
Bosnia and Herzegovina	29.62	87	UM	27	EUR	38	0.46	115	
Indonesia	29.07	88	LM	11	SEAO	13	0.71	52	
Jamaica	28.97	89	UM	28	LCN	11	0.53	104	

بیست کشور برتر از نظر GII در سال 2016

Country/Economy	Score (0-100)	Rank	Income	Rank	Region	Rank	Efficiency Ratio	Rank	Median: 0.65
Switzerland	66.28	1	HI	1	EUR	1	0.94	5	
Sweden	63.57	2	HI	2	EUR	2	0.86	10	
United Kingdom	61.93	3	HI	3	EUR	3	0.83	14	
United States of America	61.40	4	HI	4	NAC	1	0.79	25	
Finland	59.90	5	HI	5	EUR	4	0.75	32	
Singapore	59.16	6	HI	6	SEAO	1	0.62	78	
Ireland	59.03	7	HI	7	EUR	5	0.89	8	
Denmark	58.45	8	HI	8	EUR	6	0.74	34	
Netherlands	58.29	9	HI	9	EUR	7	0.82	20	
Germany	57.94	10	HI	10	EUR	8	0.87	9	
Korea, Rep.	57.15	11	HI	11	SEAO	2	0.80	24	
Luxembourg	57.11	12	HI	12	EUR	9	1.02	1	
Iceland	55.99	13	HI	13	EUR	10	0.98	3	
Hong Kong (China)	55.69	14	HI	14	SEAO	3	0.61	83	
Canada	54.71	15	HI	15	NAC	2	0.67	57	
Japan	54.52	16	HI	16	SEAO	4	0.65	65	
New Zealand	54.23	17	HI	17	SEAO	5	0.73	40	
France	54.04	18	HI	18	EUR	11	0.73	44	
Australia	53.07	19	HI	19	SEAO	6	0.64	73	
Austria	52.65	20	HI	20	EUR	12	0.73	43	