

TAJIKISTAN

GII 2019 rank

100

Output rank	Input rank	Income	Region	Population (mn)	GDP, PPP\$	GDP per capita, PPP\$	GII 2018 rank
83	107	Low	CSA	9.1	30.5	3,415.8	101
Score/Value Rank							
 INSTITUTIONS.....	46.0	122					
1.1 Political environment.....	31.6	125	○				
1.1.1 Political and operational stability*	56.1	105					
1.1.2 Government effectiveness*	19.4	124					
1.2 Regulatory environment.....	45.6	116	◊				
1.2.1 Regulatory quality*	13.5	125	○				
1.2.2 Rule of law*	10.5	126	○	◊			
1.2.3 Cost of redundancy dismissal, salary weeks	21.7	92					
1.3 Business environment.....	60.8	102	●				
1.3.1 Ease of starting a business*	90.7	51	●				
1.3.2 Ease of resolving insolvency*	30.9	116					
 HUMAN CAPITAL & RESEARCH.....	24.0	87	◆				
2.1 Education.....	46.3	[69]					
2.1.1 Expenditure on education, % GDP	5.2	40	●				
2.1.2 Government funding/pupil, secondary, % GDP/cap.	n/a	n/a					
2.1.3 School life expectancy, years, ◊	11.2	97					
2.1.4 PISA scales in reading, maths, & science	n/a	n/a					
2.1.5 Pupil-teacher ratio, secondary, ◊	15.4	70	◆				
2.2 Tertiary education.....	24.9	80	◆				
2.2.1 Tertiary enrolment, % gross	30.9	83	◆				
2.2.2 Graduates in science & engineering, %	22.0	49					
2.2.3 Tertiary inbound mobility, %	0.8	91					
2.3 Research & development (R&D).....	0.7	110					
2.3.1 Researchers, FTE/mn pop	n/a	n/a					
2.3.2 Gross expenditure on R&D, % GDP	0.1	103					
2.3.3 Global R&D companies, avg. exp. top 3, mn US\$	0.0	43	○	◊			
2.3.4 QS university ranking, average score top 3*	0.0	78	○	◊			
 INFRASTRUCTURE.....	29.8	115					
3.1 Information & communication technologies(ICTs).....	36.4	[112]					
3.1.1 ICT access*	n/a	n/a					
3.1.2 ICT use*	n/a	n/a					
3.1.3 Government's online service*	34.0	115					
3.1.4 E-participation*	38.8	112					
3.2 General infrastructure.....	23.4	109	◆				
3.2.1 Electricity output, kWh/mn pop	1,971.6	77	◆				
3.2.2 Logistics performance*	12.9	116					
3.2.3 Gross capital formation, % GDP	22.8	67					
3.3 Ecological sustainability.....	29.5	99					
3.3.1 GDP/unit of energy use	8.2	73					
3.3.2 Environmental performance*	47.9	102					
3.3.3 ISO 14001 environmental certificates/bn PPP\$ GDP..	0.5	85					
 MARKET SOPHISTICATION.....	43.7	86					
4.1 Credit.....	15.4	121					
4.1.1 Ease of getting credit*	40.0	104					
4.1.2 Domestic credit to private sector, % GDP	13.7	121					
4.1.3 Microfinance gross loans, % GDP	0.1	51					
4.2 Investment.....	66.7	[12]					
4.2.1 Ease of protecting minority investors*	66.7	35	●	◆			
4.2.2 Market capitalization, % GDP	n/a	n/a					
4.2.3 Venture capital deals/bn PPP\$ GDP	n/a	n/a					
4.3 Trade, competition, & market scale.....	48.9	111	◆				
4.3.1 Applied tariff rate, weighted avg., %	5.0	85	◆				
4.3.2 Intensity of local competition*	61.2	103					
4.3.3 Domestic market scale, bn PPP\$	30.5	114					
Score/Value Rank							
 BUSINESS SOPHISTICATION.....	22.2	114					
5.1 Knowledge workers.....	24.4	98					
5.1.1 Knowledge-intensive employment, %, ◊	16.1	87	◆				
5.1.2 Firms offering formal training, % firms	33.1	44	●				
5.1.3 GERD performed by business, % GDP	n/a	n/a					
5.1.4 GERD financed by business, %, ◊	1.6	89					
5.1.5 Females employed w/advanced degrees, %, ◊	4.0	93	◆				
5.2 Innovation linkages.....	18.2	104					
5.2.1 University/industry research collaboration*	46.5	47	●				
5.2.2 State of cluster development	40.2	93					
5.2.3 GERD financed by abroad, %, ◊	0.2	98	◊				
5.2.4 JV-strategic alliance deals/bn PPP\$ GDP	n/a	n/a					
5.2.5 Patent families 2+ offices/bn PPP\$ GDP	0.0	93	○	◊			
5.3 Knowledge absorption.....	23.9	[107]					
5.3.1 Intellectual property payments, % total trade	0.0	119	○				
5.3.2 High-tech imports, % total trade	n/a	n/a					
5.3.3 ICT services imports, % total trade	0.2	122	◊				
5.3.4 FDI net inflows, % GDP	3.5	49	●				
5.3.5 Research talent, % in business enterprise	n/a	n/a					
 KNOWLEDGE & TECHNOLOGY OUTPUTS....	21.4	68	◆				
6.1 Knowledge creation.....	20.0	45	●	◆			
6.1.1 Patents by origin/bn PPP\$ GDP, ◊	0.1	113					
6.1.2 PCT patents by origin/bn PPP\$ GDP	n/a	n/a					
6.1.3 Utility models by origin/bn PPP\$ GDP, ◊	3.7	5	●	◆			
6.1.4 Scientific & technical articles/bn PPP\$ GDP	1.6	119	◊				
6.1.5 Citable documents H-index	0.0	128	○	◊			
6.2 Knowledge impact.....	31.2	89					
6.2.1 Growth rate of PPP\$ GDP/worker, %	5.1	6	●	◆			
6.2.2 New businesses/th pop. 15-64	0.2	94					
6.2.3 Computer software spending, % GDP	0.1	93					
6.2.4 ISO 9001 quality certificates/bn PPP\$ GDP	0.1	128	○	◊			
6.2.5 High- & medium-high-tech manufactures, %, ◊	0.0	102	○	◊			
 CREATIVE OUTPUTS.....	18.1	103					
7.1 Intangible assets.....	27.6	112					
7.1.1 Trademarks by origin/bn PPP\$ GDP, ◊	6.1	112					
7.1.2 Industrial designs by origin/bn PPP\$ GDP, ◊	0.0	115	○				
7.1.3 ICTs & business model creation*	50.7	102					
7.1.4 ICTs & organizational model creation*	44.4	97					
7.2 Creative goods & services.....	16.5	[65]					
7.2.1 Cultural & creative services exports, % total trade	0.0	102					
7.2.2 National feature films/mn pop. 15-69, ◊	1.8	70	◆				
7.2.3 Entertainment & Media market/th pop. 15-69	n/a	n/a					
7.2.4 Printing & other media, % manufacturing, ◊	1.5	30	●				
7.2.5 Creative goods exports, % total trade	n/a	n/a					
7.3 Online creativity.....	0.7	105					
7.3.1 Generic top-level domains (TLDs)/th pop. 15-69	0.1	125	○				
7.3.2 Country-code TLDs/th pop. 15-69	0.3	103					
7.3.3 Wikipedia edits/mn pop. 15-69, ◊	2.6	96	◆				
7.3.4 Mobile app creation/bn PPP\$ GDP	n/a	n/a					

NOTES: ● indicates a strength; ○ a weakness; ◆ an income group strength; ◇ an income group weakness; * an index; † a survey question. ◊ indicates that the economy's data are older than the base year; see Appendix II for details, including the year of the data, at <http://globalinnovationindex.org>. Square brackets [] indicate that the data minimum coverage (DMC) requirements were not met at the sub-pillar or pillar level.