

Output rank	Input rank	Income	Region	Population (mn)	GDP, PPP\$	GDP per capita, PPP\$	GII 2018 rank
8	17	High	NAWA	8.5	336.1	37,972.0	11
INSTITUTIONS 77.9 31 ◊				BUSINESS SOPHISTICATION 66.5 3 ●◆			
1.1	Political environment		78.6	24	5.1	Knowledge workers	
1.1.1	Political and operational stability*.....		75.4	46	5.1.1	Knowledge-intensive employment, %.....	
1.1.2	Government effectiveness*.....		80.1	20	5.1.2	Firms offering formal training, % firms.....	
1.2	Regulatory environment		72.6	44	5.1.3	GERD performed by business, % GDP.....	
1.2.1	Regulatory quality*.....		76.1	23	5.1.4	GERD financed by business, %.....	
1.2.2	Rule of law*.....		73.4	28	5.1.5	Females employed w/advanced degrees, %.....	
1.2.3	Cost of redundancy dismissal, salary weeks.....		27.4	111	5.2	Innovation linkages	
1.3	Business environment		82.5	26	5.2.1	University/industry research collaboration*.....	
1.3.1	Ease of starting a business*.....		92.4	41	5.2.2	State of cluster development*.....	
1.3.2	Ease of resolving insolvency*.....		72.7	27	5.2.3	GERD financed by abroad, %.....	
5.2.4					5.2.4	JV-strategic alliance deals/bn PPP\$ GDP.....	
5.2.5					5.2.5	Patent families 2+ offices/bn PPP\$ GDP.....	
5.3	Knowledge absorption		53.7	15	5.3.1	Intellectual property payments, % total trade.....	
5.3.1	Intellectual property payments, % total trade.....		0.5	65	5.3.2	High-tech imports, % total trade.....	
5.3.2	High-tech imports, % total trade.....		9.0	45	5.3.3	ICT services imports, % total trade.....	
5.3.3	ICT services imports, % total trade.....		2.1	24	5.3.4	FDI net inflows, % GDP.....	
5.3.4	FDI net inflows, % GDP.....		4.2	40	5.3.5	Research talent, % in business enterprise.....	
5.3.5	Research talent, % in business enterprise.....		83.7	1	KNOWLEDGE & TECHNOLOGY OUTPUTS56.9 7		
6.1	Knowledge creation		56.7	10	6.1.1	Patents by origin/bn PPP\$ GDP.....	
6.1.1	Patents by origin/bn PPP\$ GDP.....		4.5	25	6.1.2	PCT patents by origin/bn PPP\$ GDP.....	
6.1.2	PCT patents by origin/bn PPP\$ GDP.....		5.7	7	6.1.3	Utility models by origin/bn PPP\$ GDP.....	
6.1.3	Utility models by origin/bn PPP\$ GDP.....		n/a	n/a	6.1.4	Scientific & technical articles/bn PPP\$ GDP.....	
6.1.4	Scientific & technical articles/bn PPP\$ GDP.....		24.2	14	6.1.5	Citable documents H-index.....	
6.1.5	Citable documents H-index.....		47.1	16	6.2	Knowledge impact	
6.2	Knowledge impact		48.0	21	6.2.1	Growth rate of PPP\$ GDP/worker, %.....	
6.2.1	Growth rate of PPP\$ GDP/worker, %.....		1.2	59	6.2.2	New businesses/th pop. 15-64.....	
6.2.2	New businesses/th pop. 15-64.....		3.4	36	6.2.3	Computer software spending, % GDP.....	
6.2.3	Computer software spending, % GDP.....		0.3	57	6.2.4	ISO 9001 quality certificates/bn PPP\$ GDP.....	
6.2.4	ISO 9001 quality certificates/bn PPP\$ GDP.....		27.1	5	6.2.5	High- & medium-high-tech manufactures, %.....	
6.2.5	High- & medium-high-tech manufactures, %.....		0.4	19	6.3	Knowledge diffusion	
6.3	Knowledge diffusion		65.9	4	6.3.1	Intellectual property receipts, % total trade.....	
6.3.1	Intellectual property receipts, % total trade.....		1.7	14	6.3.2	High-tech net exports, % total trade.....	
6.3.2	High-tech net exports, % total trade.....		11.9	13	6.3.3	ICT services exports, % total trade.....	
6.3.3	ICT services exports, % total trade.....		12.2	1	6.3.4	FDI net outflows, % GDP.....	
6.3.4	FDI net outflows, % GDP.....		3.3	21	CREATIVE OUTPUTS46.3 14		
7.1	Intangible assets		49.1	39	7.1.1	Trademarks by origin/bn PPP\$ GDP.....	
7.1.1	Trademarks by origin/bn PPP\$ GDP.....		11.8	101	7.1.2	Industrial designs by origin/bn PPP\$ GDP.....	
7.1.2	Industrial designs by origin/bn PPP\$ GDP.....		3.4	38	7.1.3	ICTs & business model creation*.....	
7.1.3	ICTs & business model creation*.....		81.5	5	7.1.4	ICTs & organizational model creation*.....	
7.1.4	ICTs & organizational model creation*.....		77.0	12	7.2	Creative goods & services	
7.2	Creative goods & services		28.4	34	7.2.1	Cultural & creative services exports, % total trade.....	
7.2.1	Cultural & creative services exports, % total trade.....		2.5	4	7.2.2	National feature films/mn pop. 15-69.....	
7.2.2	National feature films/mn pop. 15-69.....		5.7	38	7.2.3	Entertainment & Media market/th pop. 15-69.....	
7.2.3	Entertainment & Media market/th pop. 15-69.....		35.8	21	7.2.4	Printing & other media, % manufacturing.....	
7.2.4	Printing & other media, % manufacturing.....		1.1	57	7.2.5	Creative goods exports, % total trade.....	
7.2.5	Creative goods exports, % total trade.....		1.7	31	7.3	Online creativity	
7.3	Online creativity		58.8	5	7.3.1	Generic top-level domains (TLDs)/th pop. 15-69.....	
7.3.1	Generic top-level domains (TLDs)/th pop. 15-69.....		22.4	26	7.3.2	Country-code TLDs/th pop. 15-69.....	
7.3.2	Country-code TLDs/th pop. 15-69.....		12.7	35	7.3.3	Wikipedia edits/mn pop. 15-69.....	
7.3.3	Wikipedia edits/mn pop. 15-69.....		148.4	1	7.3.4	Mobile app creation/bn PPP\$ GDP.....	
7.3.4	Mobile app creation/bn PPP\$ GDP.....		100.0	1	4.3	Trade, competition, & market scale	
4.3	Trade, competition, & market scale		69.8	34	4.3.1	Applied tariff rate, weighted avg., %.....	
4.3.1	Applied tariff rate, weighted avg., %.....		1.9	50	4.3.2	Intensity of local competition*.....	
4.3.2	Intensity of local competition*.....		75.4	24	4.3.3	Domestic market scale, bn PPP\$.....	
4.3.3	Domestic market scale, bn PPP\$.....		336.1	50			

NOTES: ● indicates a strength; ○ a weakness; ◆ a strength relative to the other top 25-ranked GII economies; ◇ a weakness relative to the other top 25-ranked GII economies; * 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.