

NICARAGUA

GII 2019 rank

120

Output rank	Input rank	Income	Region	Population (mn)	GDP, PPP\$	GDP per capita, PPP\$	GII 2018 rank
122	108	Lower middle	LCN	6.3	35.8	5,682.7	n/a
Score/Value Rank							
 INSTITUTIONS.....	52.5	101					
1.1 Political environment.....	38.8	109					
1.1.1 Political and operational stability*	54.4	111					
1.1.2 Government effectiveness*	31.1	107					
1.2 Regulatory environment.....	58.0	88					
1.2.1 Regulatory quality*	23.9	108					
1.2.2 Rule of law*	29.3	100					
1.2.3 Cost of redundancy dismissal, salary weeks	14.9	60 ●					
1.3 Business environment.....	60.5	104					
1.3.1 Ease of starting a business*	79.8	109					
1.3.2 Ease of resolving insolvency*	41.1	93					
 HUMAN CAPITAL & RESEARCH.....	11.7	[118]					
2.1 Education.....	22.8	[120]					
2.1.1 Expenditure on education, % GDP	4.3	67					
2.1.2 Government funding/pupil, secondary, % GDP/cap.◊	7.3	102 ○ ◊					
2.1.3 School life expectancy, years	n/a	n/a					
2.1.4 PISA scales in reading, maths, & science	n/a	n/a					
2.1.5 Pupil-teacher ratio, secondary.◊	30.8	107 ○ ◊					
2.2 Tertiary education.....	n/a	[n/a]					
2.2.1 Tertiary enrolment, % gross	n/a	n/a					
2.2.2 Graduates in science & engineering, %	n/a	n/a					
2.2.3 Tertiary inbound mobility, %	n/a	n/a					
2.3 Research & development (R&D).....	0.7	112					
2.3.1 Researchers, FTE/mn pop	n/a	n/a					
2.3.2 Gross expenditure on R&D, % GDP ◊	0.1	106					
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.....	33.6	106					
3.1 Information & communication technologies(ICTs).....	36.0	113	◊				
3.1.1 ICT access*	43.6	99					
3.1.2 ICT use*	21.3	105					
3.1.3 Government's online service*	40.3	114 ◊					
3.1.4 E-participation*	38.8	112 ◊					
3.2 General infrastructure.....	33.1	70					
3.2.1 Electricity output, kWh/mn pop	746.3	100					
3.2.2 Logistics performance*	n/a	n/a					
3.2.3 Gross capital formation, % GDP	28.1	29 ●					
3.3 Ecological sustainability.....	31.7	87					
3.3.1 GDP/unit of energy use	7.9	78					
3.3.2 Environmental performance*	55.0	82					
3.3.3 ISO 14001 environmental certificates/bn PPP\$ GDP..	0.4	90					
 MARKET SOPHISTICATION.....	39.1	105					
4.1 Credit.....	29.0	97					
4.1.1 Ease of getting credit*	50.0	87					
4.1.2 Domestic credit to private sector, % GDP	42.6	78					
4.1.3 Microfinance gross loans, % GDP	1.1	18 ●					
4.2 Investment.....	35.0	[99]					
4.2.1 Ease of protecting minority investors*	35.0	123 ○ ◊					
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.....	53.3	95					
4.3.1 Applied tariff rate, weighted avg., %	2.3	57 ● ◆					
4.3.2 Intensity of local competition*	60.3	106 ◊					
4.3.3 Domestic market scale, bn PPP\$	35.8	109 ◊					
Score/Value Rank							
 BUSINESS SOPHISTICATION.....	27.9	80					
5.1 Knowledge workers.....	41.3	[52]					
5.1.1 Knowledge-intensive employment, % ◊	13.8	92					
5.1.2 Firms offering formal training, % firms	57.3	11 ● ◆					
5.1.3 GERD performed by business, % GDP	n/a	n/a					
5.1.4 GERD financed by business, %	n/a	n/a					
5.1.5 Females employed w/advanced degrees, % ◊	6.1	84					
5.2 Innovation linkages.....	15.9	116					
5.2.1 University/industry research collaboration†	27.1	115					
5.2.2 State of cluster development	33.7	113					
5.2.3 GERD financed by abroad, %	n/a	n/a					
5.2.4 JV-strategic alliance deals/bn PPP\$ GDP	0.0	102					
5.2.5 Patent families 2+ offices/bn PPP\$ GDP	0.0	93 ○ ◊					
5.3 Knowledge absorption.....	26.5	96					
5.3.1 Intellectual property payments, % total trade	0.0	111 ◊					
5.3.2 High-tech imports, % total trade	8.1	57 ●					
5.3.3 ICT services imports, % total trade	0.3	117 ◊					
5.3.4 FDI net inflows, % GDP	6.9	19 ●					
5.3.5 Research talent, % in business enterprise	n/a	n/a					
 KNOWLEDGE & TECHNOLOGY OUTPUTS....	7.9	122	○ ◊				
6.1 Knowledge creation.....	1.7	125	○				
6.1.1 Patents by origin/bn PPP\$ GDP ◊	0.0	124 ○					
6.1.2 PCT patents by origin/bn PPP\$ GDP	0.0	84					
6.1.3 Utility models by origin/bn PPP\$ GDP	n/a	n/a					
6.1.4 Scientific & technical articles/bn PPP\$ GDP	11	122 ○					
6.1.5 Citable documents H-index	2.9	113					
6.2 Knowledge impact.....	4.6	[122]					
6.2.1 Growth rate of PPP\$ GDP/worker, %	n/a	n/a					
6.2.2 New businesses/th pop. 15-64	n/a	n/a					
6.2.3 Computer software spending, % GDP	0.1	98					
6.2.4 ISO 9001 quality certificates/bn PPP\$ GDP	1.7	90					
6.2.5 High- & medium-high-tech manufactures, %	n/a	n/a					
6.3 Knowledge diffusion.....	17.5	65	●				
6.3.1 Intellectual property receipts, % total trade	n/a	n/a					
6.3.2 High-tech net exports, % total trade	0.2	99					
6.3.3 ICT services exports, % total trade	2.6	39 ●					
6.3.4 FDI net outflows, % GDP	0.5	67 ●					
 CREATIVE OUTPUTS.....	16.3	[110]					
7.1 Intangible assets.....	30.8	104					
7.1.1 Trademarks by origin/bn PPP\$ GDP ◊	40.2	65					
7.1.2 Industrial designs by origin/bn PPP\$ GDP ◊	0.0	116 ○					
7.1.3 ICTs & business model creation†	48.9	110					
7.1.4 ICTs & organizational model creation†	43.0	100					
7.2 Creative goods & services.....	2.1	[115]					
7.2.1 Cultural & creative services exports, % total trade ◊	0.0	97					
7.2.2 National feature films/mn pop. 15-69 ◊	0.3	100 ○					
7.2.3 Entertainment & Media market/th pop. 15-69	n/a	n/a					
7.2.4 Printing & other media, % manufacturing	n/a	n/a					
7.2.5 Creative goods exports, % total trade	0.3	71					
7.3 Online creativity.....	1.6	[90]					
7.3.1 Generic top-level domains (TLDs)/th pop. 15-69	2.8	68 ● ◆					
7.3.2 Country-code TLDs/th pop. 15-69	0.5	94					
7.3.3 Wikipedia edits/mn pop. 15-69	n/a	n/a					
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.