GUINEA

GII 2020 rank

130

Output rank	Input rank	Income	Region	Population (mn)	GDP, PPP$	GDP per capita, PPP$	GII 2019 rank
122	128	Low	SSF	12.8	33.3	2,131.2	125

		Score/Value	Rank	
	INSTITUTIONS	**52.2**	**105**	
1.1	**Political environment**	**38.0**	**124**	
1.1.1	Political and operational stability*	57.1	110	
1.1.2	Government effectiveness*	28.5	123	
1.2	**Regulatory environment**	**57.0**	**88**	
1.2.1	Regulatory quality*	21.3	117	
1.2.2	Rule of law*	15.1	128	◇
1.2.3	Cost of redundancy dismissal, salary weeks	10.1	30	●
1.3	**Business environment**	**61.5**	**102**	
1.3.1	Ease of starting a business*	84.5	94	
1.3.2	Ease of resolving insolvency*	38.6	103	
	HUMAN CAPITAL & RESEARCH	**6.1**	**131**	○ ◇
2.1	**Education**	**11.9**	**130**	○ ◇
2.1.1	Expenditure on education, % GDP	2.6	107	◇
2.1.2	Government funding/pupil, secondary, % GDP/cap. ⏲	8.2	99	◇
2.1.3	School life expectancy, years ⏲	9.0	113	
2.1.4	PISA scales in reading, maths, & science	n/a	n/a	
2.1.5	Pupil-teacher ratio, secondary ⏲	33.1	120	
2.2	**Tertiary education**	**6.6**	**121**	
2.2.1	Tertiary enrolment, % gross ⏲	11.6	106	
2.2.2	Graduates in science & engineering, %	n/a	n/a	
2.2.3	Tertiary inbound mobility, % ⏲	0.9	90	
2.3	**Research & development (R&D)**	**0.0**	**[121]**	
2.3.1	Researchers, FTE/mn pop.	n/a	n/a	
2.3.2	Gross expenditure on R&D, % GDP	n/a	n/a	
2.3.3	Global R&D companies, avg. exp. top 3, mn $US	0.0	42	○ ◇
2.3.4	QS university ranking, average score top 3*	0.0	77	○ ◇
	INFRASTRUCTURE	**16.9**	**130**	○ ◇
3.1	**Information & communication technologies (ICTs)**	**27.9**	**124**	
3.1.1	ICT access*	31.0	121	
3.1.2	ICT use*	13.9	122	
3.1.3	Government's online service*	31.3	119	
3.1.4	E-participation*	35.4	116	
3.2	**General infrastructure**	**9.2**	**128**	◇
3.2.1	Electricity output, kWh/mn pop.	n/a	n/a	
3.2.2	Logistics performance*	6.1	122	○ ◇
3.2.3	Gross capital formation, % GDP	15.4	120	
3.3	**Ecological sustainability**	**13.6**	**128**	
3.3.1	GDP/unit of energy use	n/a	n/a	
3.3.2	Environmental performance*	26.4	127	○ ◇
3.3.3	ISO 14001 environmental certificates/bn PPP$ GDP	0.1	122	
	MARKET SOPHISTICATION	**29.4**	**126**	
4.1	**Credit**	**13.3**	**127**	
4.1.1	Ease of getting credit*	30.0	122	
4.1.2	Domestic credit to private sector, % GDP ⏲	9.7	127	○
4.1.3	Microfinance gross loans, % GDP ⏲	0.2	50	●
4.2	**Investment**	**26.0**	**[110]**	
4.2.1	Ease of protecting minority investors*	26.0	125	◇
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, and market scale**	**48.9**	**119**	
4.3.1	Applied tariff rate, weighted avg., %	11.3	122	
4.3.2	Intensity of local competition†	75.9	21	● ◆
4.3.3	Domestic market scale, bn PPP$	33.3	117	

		Score/Value	Rank	
	BUSINESS SOPHISTICATION	**20.9**	**[93]**	
5.1	**Knowledge workers**	**13.8**	**[112]**	
5.1.1	Knowledge-intensive employment, %	n/a	n/a	
5.1.2	Firms offering formal training, % ⏲	16.0	85	◇
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, %	n/a	n/a	
5.2	**Innovation linkages**	**34.9**	**[30]**	
5.2.1	University/industry research collaboration†	68.5	13	● ◆
5.2.2	State of cluster development†	52.5	43	● ◆
5.2.3	GERD financed by abroad, % GDP	n/a	n/a	
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	74	● ◆
5.3	**Knowledge absorption**	**14.0**	**131**	○ ◇
5.3.1	Intellectual property payments, % total trade ⏲	0.0	111	
5.3.2	High-tech imports, % total trade ⏲	2.1	128	○ ◇
5.3.3	ICT services imports, % total trade ⏲	0.2	121	
5.3.4	FDI net inflows, % GDP	9.2	11	● ◆
5.3.5	Research talent, % in business enterprise	n/a	n/a	
	KNOWLEDGE & TECHNOLOGY OUTPUTS	**4.0**	**131**	○ ◇
6.1	**Knowledge creation**	**1.4**	**128**	◇
6.1.1	Patents by origin/bn PPP$ GDP	0.0	129	○
6.1.2	PCT patents by origin/bn PPP$ GDP	0.0	100	○ ◇
6.1.3	Utility models by origin/bn PPP$ GDP	n/a	n/a	
6.1.4	Scientific & technical articles/bn PPP$ GDP	1.3	121	◇
6.1.5	Citable documents H-index	2.5	126	◇
6.2	**Knowledge impact**	**1.6**	**[130]**	
6.2.1	Growth rate of PPP$ GDP/worker, %	n/a	n/a	
6.2.2	New businesses/th pop. 15-64	0.4	102	
6.2.3	Computer software spending, % GDP	0.0	107	
6.2.4	ISO 9001 quality certificates/bn PPP$ GDP	0.3	125	
6.2.5	High- and medium-high-tech manufacturing, %	n/a	n/a	
6.3	**Knowledge diffusion**	**9.0**	**126**	◇
6.3.1	Intellectual property receipts, % total trade	n/a	n/a	
6.3.2	High-tech net exports, % total trade ⏲	0.1	108	
6.3.3	ICT services exports, % total trade ⏲	0.0	128	○ ◇
6.3.4	FDI net outflows, % GDP	0.1	106	
	CREATIVE OUTPUTS	**15.0**	**95**	
7.1	**Intangible assets**	**25.8**	**72**	●
7.1.1	Trademarks by origin/bn PPP$ GDP	5.1	118	
7.1.2	Global brand value, top 5,000, % GDP	n/a	n/a	
7.1.3	Industrial designs by origin/bn PPP$ GDP	1.3	60	●
7.1.4	ICTs & organizational model creation†	60.0	45	● ◆
7.2	**Creative goods and services**	**2.7**	**[112]**	
7.2.1	Cultural & creative services exports, % total trade ⏲	0.3	62	●
7.2.2	National feature films/mn pop. 15-69 ⏲	0.9	88	
7.2.3	Entertainment & Media market/th pop. 15-69	n/a	n/a	
7.2.4	Printing and other media, % manufacturing	n/a	n/a	
7.2.5	Creative goods exports, % total trade ⏲	0.0	122	
7.3	**Online creativity**	**5.8**	**105**	
7.3.1	Generic top-level domains (TLDs)/th pop. 15-69	0.1	126	
7.3.2	Country-code TLDs/th pop. 15-69	0.0	129	○
7.3.3	Wikipedia edits/mn pop. 15-69	21.7	104	
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.