

# UNITED REPUBLIC OF TANZANIA

## (THE)

GI I 2019 rank

97

Output rank	Input rank	Income	Region	Population (mn)	GDP, PPP\$	GDP per capita, PPP\$	GI I 2018 rank
73	115	Low	SSF	59.1	175.9	3,443.7	92
				Score/Value	Rank		
<b>INSTITUTIONS</b> .....				53.4	98		
1.1	<b>Political environment</b> .....		40.2	104			
1.1.1	Political and operational stability*.....		57.9	101			
1.1.2	Government effectiveness*.....		31.3	106			
1.2	<b>Regulatory environment</b> .....		64.2	70			
1.2.1	Regulatory quality*.....		26.4	106			
1.2.2	Rule of law*.....		34.6	92			
1.2.3	Cost of redundancy dismissal, salary weeks.....		9.3	25		◆	
1.3	<b>Business environment</b> .....		55.8	115			
1.3.1	Ease of starting a business*.....		72.7	117		◇	
1.3.2	Ease of resolving insolvency*.....		39.0	103			
<b>HUMAN CAPITAL &amp; RESEARCH</b> .....				10.0	125		◇
2.1	<b>Education</b> .....		24.5	117			
2.1.1	Expenditure on education, % GDP.....		3.5	94			
2.1.2	Government funding/pupil, secondary, % GDP/cap.....		12.4	87			
2.1.3	School life expectancy, years.....		7.7	116		○ ◇	
2.1.4	PISA scales in reading, maths, & science.....		n/a	n/a			
2.1.5	Pupil-teacher ratio, secondary.....		17.1	76			
2.2	<b>Tertiary education</b> .....		2.5	[124]			
2.2.1	Tertiary enrolment, % gross.....		3.9	122		○	
2.2.2	Graduates in science & engineering, %.....		n/a	n/a			
2.2.3	Tertiary inbound mobility, %.....		n/a	n/a			
2.3	<b>Research &amp; development (R&amp;D)</b> .....		2.8	88		◆	
2.3.1	Researchers, FTE/mn pop.....		18.3	104		○	
2.3.2	Gross expenditure on R&D, % GDP.....		0.5	60		◆	
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		○ ◇	
<b>INFRASTRUCTURE</b> .....				33.2	108		
3.1	<b>Information &amp; communication technologies (ICTs)</b> .....		38.3	110			
3.1.1	ICT access*.....		26.0	121			
3.1.2	ICT use*.....		9.0	123		◇	
3.1.3	Government's online service*.....		56.3	95			
3.1.4	E-participation*.....		61.8	88			
3.2	<b>General infrastructure</b> .....		35.9	61		●	
3.2.1	Electricity output, kWh/mn pop.....		125.9	117			
3.2.2	Logistics performance*.....		n/a	n/a			
3.2.3	Gross capital formation, % GDP.....		30.5	21		●	
3.3	<b>Ecological sustainability</b> .....		25.5	114			
3.3.1	GDP/unit of energy use.....		5.2	106			
3.3.2	Environmental performance*.....		50.8	96		◆	
3.3.3	ISO 14001 environmental certificates/bn PPP\$ GDP.....		0.3	103			
<b>MARKET SOPHISTICATION</b> .....				35.7	117		
4.1	<b>Credit</b> .....		23.6	110			
4.1.1	Ease of getting credit*.....		65.0	54		◆	
4.1.2	Domestic credit to private sector, % GDP.....		14.4	118			
4.1.3	Microfinance gross loans, % GDP.....		0.1	55			
4.2	<b>Investment</b> .....		30.4	121		◇	
4.2.1	Ease of protecting minority investors*.....		45.0	104			
4.2.2	Market capitalization, % GDP.....		n/a	n/a			
4.2.3	Venture capital deals/bn PPP\$ GDP.....		0.0	65		◇	
4.3	<b>Trade, competition, &amp; market scale</b> .....		53.1	96		◆	
4.3.1	Applied tariff rate, weighted avg., %.....		8.6	105			
4.3.2	Intensity of local competition*.....		59.4	109			
4.3.3	Domestic market scale, bn PPP\$.....		175.9	68		◆	
<b>BUSINESS SOPHISTICATION</b> .....				25.1	99		
5.1	<b>Knowledge workers</b> .....		13.5	119			
5.1.1	Knowledge-intensive employment, %.....		3.4	112			
5.1.2	Firms offering formal training, % firms.....		30.7	50			
5.1.3	GERD performed by business, % GDP.....		n/a	n/a			
5.1.4	GERD financed by business, %.....		0.1	98		○ ◇	
5.1.5	Females employed w/advanced degrees, %.....		0.4	113			
5.2	<b>Innovation linkages</b> .....		38.0	32		●	
5.2.1	University/industry research collaboration*.....		45.7	49		●	
5.2.2	State of cluster development*.....		48.7	54		◆	
5.2.3	GERD financed by abroad, %.....		42.0	6			
5.2.4	JV-strategic alliance deals/bn PPP\$ GDP.....		2.9	58		○	
5.2.5	Patent families 2+ offices/bn PPP\$ GDP.....		0.0	93		○ ◇	
5.3	<b>Knowledge absorption</b> .....		23.8	108			
5.3.1	Intellectual property payments, % total trade.....		0.0	113			
5.3.2	High-tech imports, % total trade.....		7.2	68			
5.3.3	ICT services imports, % total trade.....		0.3	115			
5.3.4	FDI net inflows, % GDP.....		2.9	58		●	
5.3.5	Research talent, % in business enterprise.....		n/a	n/a			
<b>KNOWLEDGE &amp; TECHNOLOGY OUTPUTS</b> .....				14.9	102		
6.1	<b>Knowledge creation</b> .....		5.1	98			
6.1.1	Patents by origin/bn PPP\$ GDP.....		0.0	126		○ ◇	
6.1.2	PCT patents by origin/bn PPP\$ GDP.....		0.0	93			
6.1.3	Utility models by origin/bn PPP\$ GDP.....		n/a	n/a			
6.1.4	Scientific & technical articles/bn PPP\$ GDP.....		3.1	104			
6.1.5	Citable documents H-index.....		8.6	76		◆	
6.2	<b>Knowledge impact</b> .....		33.5	78			
6.2.1	Growth rate of PPP\$ GDP/worker, %.....		3.1	24		●	
6.2.2	New businesses/th pop. 15-64.....		n/a	n/a			
6.2.3	Computer software spending, % GDP.....		0.0	126		○	
6.2.4	ISO 9001 quality certificates/bn PPP\$ GDP.....		0.9	110			
6.2.5	High- & medium-high-tech manufactures, %.....		0.1	86			
6.3	<b>Knowledge diffusion</b> .....		6.2	127		○	
6.3.1	Intellectual property receipts, % total trade.....		0.0	101			
6.3.2	High-tech net exports, % total trade.....		0.2	101			
6.3.3	ICT services exports, % total trade.....		0.2	117			
6.3.4	FDI net outflows, % GDP.....		0.0	115			
<b>CREATIVE OUTPUTS</b> .....				28.7	[59]		
7.1	<b>Intangible assets</b> .....		50.3	[34]			
7.1.1	Trademarks by origin/bn PPP\$ GDP.....		n/a	n/a			
7.1.2	Industrial designs by origin/bn PPP\$ GDP.....		n/a	n/a			
7.1.3	ICTs & business model creation*.....		53.3	90			
7.1.4	ICTs & organizational model creation*.....		47.2	93			
7.2	<b>Creative goods &amp; services</b> .....		13.9	[72]			
7.2.1	Cultural & creative services exports, % total trade.....		0.0	114			
7.2.2	National feature films/mn pop. 15-69.....		n/a	n/a			
7.2.3	Entertainment & Media market/th pop. 15-69.....		n/a	n/a			
7.2.4	Printing & other media, % manufacturing.....		1.7	25		●	
7.2.5	Creative goods exports, % total trade.....		0.1	96			
7.3	<b>Online creativity</b> .....		0.1	122			
7.3.1	Generic top-level domains (TLDs)/th pop. 15-69.....		0.1	119			
7.3.2	Country-code TLDs/th pop. 15-69.....		0.1	112			
7.3.3	Wikipedia edits/mn pop. 15-69.....		0.2	115			
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.