

UNITED STATES

GKI RANK

5/133

GKI SCORE

66.9

WORLD AVERAGE

47.5

COUNTRY PERFORMANCE SUMMARY

United States is a leading performer in terms of its knowledge infrastructure. It ranks 5th out of 133 countries in the Global Knowledge Index 2023 and 5th out of the 61 countries with very high human development.

AREAS OF STRENGTH

- + Computer software spending (% GDP)
- + Research institutions prominence
- Teachers in tertiary education, gender parity
- Domestic credit to private sector (% GDP)
- + Secure Internet servers per 1 million

AREAS OF IMPROVEMENT

- Trade (% GDP)
- Ecological footprint per capita
- Natural hazard exposure
- ISO 14001 environmental certificates (per billion GDP)
- Government expenditure on vocational education (%)

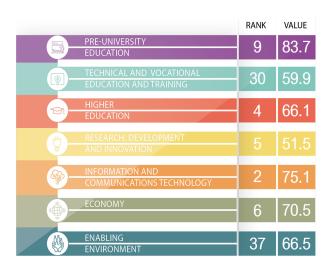
SECTORAL INDICES

KEY INDICATORS

GDP (US\$ billions): 21,564.698

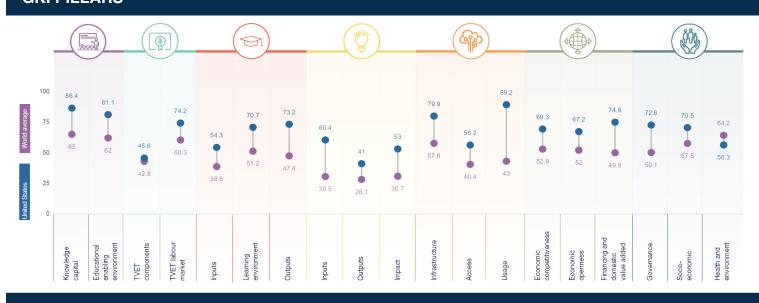
Population: 336,997,624

HDI: 0.921





GKI PILLARS



	Rank	Value		Rank	Value
PRE-UNIVERSITY EDUCATION	9	83.7	HIGHER EDUCATION	4	66.1
Knowledge capital	9	86.4	Inputs	11	54.3
Enrolment	33	96	Expenditure	30	38
Net enrolment rate in primary education	74	90.7	Government expenditure per tertiary student	9	44.1
Net enrolment rate in lower secondary education	31	98.4	Teaching staff compensation (% tertiary expenditure)	57	31.8
Net enrolment rate in upper secondary education	6	98.8	Enrolment	36	40.8
Completion	2	88	Enrolment in bachelor's or equivalent level (%)	43	32.8
Years of compulsory education in primary and secondary	3	92.3	Enrolment in master's, doctoral or equivalent (%)	34	48.8
Completion rate in upper secondary education	10	95.8	Resources	11	84.2
Gross intake ratio to the last grade of lower secondary education	9	76	Pupil-teacher ratio in tertiary education	31	84.2
Outcomes	26	75.2	Researchers in higher education (%)	n/a	n/a
Assessment of 15-year-old students in math, science and reading	22	72.5	Learning environment	20	70.7
Learning-adjusted years of schooling	32	78	Diversity and academic freedom	36	64.4
Educational enabling environment	14	81.1	Teachers in tertiary education, gender parity	1	98.3
Expenditure	41	40.9	Inbound mobility rate	51	16.1
Government expenditure on primary education (% GDP)	42	37.8	Academic freedom	64	78.8
Government expenditure on secondary education (% GDP)	48	34.5	Equity and inclusiveness	3	77
Government funding per primary student (% GDP per capita)	33	53.8	Gross attendance ratio for tertiary education, gender parity	40	77
Government funding per secondary student (% GDP per capita)	40	37.5	Gross attendance ratio for tertiary education, wealth parity	n/a	n/a
Resources	37	96.2	Gross attendance ratio for tertiary education, location parity	n/a	n/a
Pupil-trained teacher ratio in primary education	15	93.1	Outputs	2	73.2
Pupil-trained teacher ratio in secondary education	34	91.7	Attainment	5	66.1
Schools with access to computers in primary education (%)	1	100	Educational attainment rate, bachelor's or equivalent	7	73.8
Schools with access to computers in secondary education (%)	1	100	Educational attainment rate, master's or equivalent	16	54
Early learning	6	92.3	Educational attainment rate, doctoral or equivalent	4	70.5
Gross enrolment ratio in early childhood education	n/a	n/a	Employment	62	79.5
Proportion of children who are developmentally on track	n/a	n/a	Labour force participation rate with advanced education	99	65.9
Proportion of children with stimulating home learning environments	n/a	n/a	Unemployment rate with advanced education	18	93
Pupil-trained teacher ratio in pre-primary education	25	92.3	Impact	2	74.1
Equity and inclusiveness	24	94.9	University-industry collaboration in R&D	3	74.1
Completion rate in upper secondary education, gender parity	20	97.8	Citable documents per R&D personnel in higher education	n/a	n/a
Completion rate in upper secondary education, genetic parity	5	92		-	54.5
Completion rate in upper secondary education, weathr parity	n/a	n/a	RESEARCH, DEVELOPMENT AND INNOVATION	5	51.5
			Inputs	5	60.4
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	30	59.9	Inputs of R&D institutions GERD (% GDP)	13	55.5 63.9
TVET components	46	45.6	GERD per researcher	8	48.6
Continuous training and skilling	70	41.4	Researchers per thousand labour force	19	59.5
Firms offering formal training (%)	n/a	n/a	Tertiary graduates from STEM programmes (%)	72	49.9
Firms offering formal training (%) Labour force participation rate with short-cycle tertiary education	n/a 64	n/a 67.4			49.9 70.4
			Tertiary graduates from STEM programmes (%)	72	
Labour force participation rate with short-cycle tertiary education	64	67.4	Tertiary graduates from STEM programmes (%) Inputs of RDI in business enterprises	72 3	70.4
Labour force participation rate with short-cycle tertiary education Participation rate in formal and non-formal education and training	64 80	67.4 15.3	Tertiary graduates from STEM programmes (%) Inputs of RDI in business enterprises GERD performed by business enterprises (%)	72 3 7	70.4 47.1
Labour force participation rate with short-cycle tertiary education Participation rate in formal and non-formal education and training TVET structure	64 80 55	67.4 15.3 51	Tertiary graduates from STEM programmes (%) Inputs of RDI in business enterprises GERD performed by business enterprises (%) GERD financed by business enterprises (%) Researchers in business enterprises (%) Firms that spend on R&D (%)	72 3 7 9	70.4 47.1 77.2 86.9 n/a
Labour force participation rate with short-cycle tertiary education Participation rate in formal and non-formal education and training TVET structure Government expenditure on vocational education (%)	64 80 55 73	67.4 15.3 51 2.1	Tertiary graduates from STEM programmes (%) Inputs of RDI in business enterprises GERD performed by business enterprises (%) GERD financed by business enterprises (%) Researchers in business enterprises (%) Firms that spend on R&D (%) Inputs of societal innovation	72 3 7 9 4 n/a 11	70.4 47.1 77.2 86.9 n/a 60.1
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Labour force participation rate with short-cycle tertiary education Participation rate in formal and non-formal education and training TVET structure Government expenditure on vocational education (%) Share of students enrolled in secondary vocational programmes Share of students enrolled in post-secondary vocational programmes TVET quality and qualifications Extent of staff training Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Employment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education Post-TVET employment Share of TVET occupations Manufacturing employment (%) Equity and inclusiveness	64 80 55 73 n/a 1 51 13 18 95 77 18 22 n/a 33 54 37	67.4 15.3 51 2.1 n/a 100 44.3 71.5 67.6 12.1 26.1 74.2 77.4 n/a 66.3 n/a 88.4 49.8 64.4 35.3 95.5	Tertiary graduates from STEM programmes (%) Inputs of RDI in business enterprises GERD performed by business enterprises (%) GERD financed by business enterprises (%) Researchers in business enterprises (%) Researchers in business enterprises (%) Firms that spend on R&D (%) Inputs of societal innovation High-skilled employment (%) Intellectual property payments (% total trade) State of cluster development Outputs Outputs Outputs of R&D institutions Average documents per researcher Citations per document Resident patent applications (per 100 billion GDP) Outputs of RDI in business enterprises Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP) PCT applications (per 100 billion GDP) Firms producing new products and services (%) Outputs of societal innovation Trademark applications (per 100 billion GDP) Cultural goods exports (% exports) Printing and publishing output (% manufactured output) Impact	72 3 7 9 4 n/a 11 12 16 2 18 43 79 74 6 14 1 11 12 16 13 33 86 13 33 4	70.4 47.1 77.2 86.9 n/a 60.1 71.1 38.5 70.8 41 40.1 13.1 28.5 78.8 55.2 100 7.2 58.5 n/a 28.5 14.3 47.9 23.4
Labour force participation rate with short-cycle tertiary education Participation rate in formal and non-formal education and training TVET structure Government expenditure on vocational education (%) Share of students enrolled in secondary vocational programmes Share of students enrolled in post-secondary vocational programmes TVET quality and qualifications Extent of staff training Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Employment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education Post-TVET employment Share of TVET occupations Manufacturing employment (%) Equity and inclusiveness Enrolment in vocational education, gender parity	64 80 55 73 n/a 1 51 13 18 95 77 18 22 n/a 52 n/a 33 54 37 77 4	67.4 15.3 51 2.1 n/a 100 44.3 71.5 67.6 12.1 26.1 74.2 77.4 n/a 66.3 n/a 88.4 49.8 64.4 35.3 95.5 n/a	Tertiary graduates from STEM programmes (%) Inputs of RDI in business enterprises GERD performed by business enterprises (%) GERD financed by business enterprises (%) Researchers in business enterprises (%) Researchers in business enterprises (%) Firms that spend on R&D (%) Inputs of societal innovation High-skilled employment (%) Intellectual property payments (% total trade) State of cluster development Outputs Outputs Outputs of R&D institutions Average documents per researcher Citations per document Resident patent applications (per 100 billion GDP) Outputs of RDI in business enterprises Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP) PCT applications (per 100 billion GDP) Firms producing new products and services (%) Outputs of societal innovation Trademark applications (per 100 billion GDP) Cultural goods exports (% exports) Printing and publishing output (% manufactured output) Impact Ouality	72 3 7 9 4 n/a 11 12 16 2 18 43 79 74 6 14 1 11 12 16 13 33 86 13 33 4	70.4 47.1 77.2 86.9 n/a 60.1 71.1 38.5 70.8 41 40.1 13.1 28.5 78.8 55.2 100 7.2 58.5 n/a 28.5 14.3 47.9 23.4 53 43.3
Labour force participation rate with short-cycle tertiary education Participation rate in formal and non-formal education and training TVET structure Government expenditure on vocational education (%) Share of students enrolled in secondary vocational programmes Share of students enrolled in post-secondary vocational programmes TVET quality and qualifications Extent of staff training Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Employment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education Post-TVET employment Share of TVET occupations Manufacturing employment (%) Equity and inclusiveness Enrolment in vocational education, gender parity	64 80 55 73 n/a 1 51 13 18 95 77 18 22 n/a 52 n/a 33 54 37 77 4	67.4 15.3 51 2.1 n/a 100 44.3 71.5 67.6 12.1 26.1 74.2 77.4 n/a 66.3 n/a 88.4 49.8 64.4 35.3 95.5 n/a	Tertiary graduates from STEM programmes (%) Inputs of RDI in business enterprises GERD performed by business enterprises (%) GERD financed by business enterprises (%) Researchers in business enterprises (%) Researchers in business enterprises (%) Firms that spend on R&D (%) Inputs of societal innovation High-skilled employment (%) Intellectual property payments (% total trade) State of cluster development Outputs Outputs Outputs of R&D institutions Average documents per researcher Citations per document Resident patent applications (per 100 billion GDP) Outputs of RDI in business enterprises Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP) PCT applications (per 100 billion GDP) Firms producing new products and services (%) Outputs of societal innovation Trademark applications (per 100 billion GDP) Cultural goods exports (% exports) Printing and publishing output (% manufactured output) Impact	72 3 7 9 4 n/a 11 12 16 2 18 43 79 74 6 14 1 11 12 16 13 33 86 13 33 4	70.4 47.1 77.2 86.9 n/a 60.1 71.1 38.5 70.8 41 40.1 13.1 28.5 78.8 55.2 100 7.2 58.5 n/a 28.5 14.3 47.9 23.4
Labour force participation rate with short-cycle tertiary education Participation rate in formal and non-formal education and training TVET structure Government expenditure on vocational education (%) Share of students enrolled in secondary vocational programmes Share of students enrolled in post-secondary vocational programmes TVET quality and qualifications Extent of staff training Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Employment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education Post-TVET employment Share of TVET occupations Manufacturing employment (%) Equity and inclusiveness Enrolment in vocational education, gender parity	64 80 55 73 n/a 1 51 13 18 95 77 18 22 n/a 52 n/a 33 54 37 77 4	67.4 15.3 51 2.1 n/a 100 44.3 71.5 67.6 12.1 26.1 74.2 77.4 n/a 66.3 n/a 88.4 49.8 64.4 35.3 95.5 n/a	Tertiary graduates from STEM programmes (%) Inputs of RDI in business enterprises GERD performed by business enterprises (%) GERD financed by business enterprises (%) Researchers in business enterprises (%) Researchers in business enterprises (%) Firms that spend on R&D (%) Inputs of societal innovation High-skilled employment (%) Intellectual property payments (% total trade) State of cluster development Outputs Outputs Outputs of R&D institutions Average documents per researcher Citations per document Resident patent applications (per 100 billion GDP) Outputs of RDI in business enterprises Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP) PCT applications (per 100 billion GDP) Firms producing new products and services (%) Outputs of societal innovation Trademark applications (per 100 billion GDP) Cultural goods exports (% exports) Printing and publishing output (% manufactured output) Impact Cuality Research institutions prominence	72 3 7 9 4 n/a 11 12 16 2 18 43 79 74 6 14 1 61 12 n/a 33 86 13 33 4	70.4 47.1 77.2 86.9 n/a 60.1 71.1 38.5 70.8 41 40.1 13.1 28.5 78.8 55.2 100 7.2 58.5 n/a 28.5 14.3 47.9 23.4 53 43.3
Labour force participation rate with short-cycle tertiary education Participation rate in formal and non-formal education and training TVET structure Government expenditure on vocational education (%) Share of students enrolled in secondary vocational programmes Share of students enrolled in post-secondary vocational programmes TVET quality and qualifications Extent of staff training Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Employment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education Post-TVET employment Share of TVET occupations Manufacturing employment (%) Equity and inclusiveness Enrolment in vocational education, gender parity	64 80 55 73 n/a 1 51 13 18 95 77 18 22 n/a 52 n/a 33 54 37 77 4	67.4 15.3 51 2.1 n/a 100 44.3 71.5 67.6 12.1 26.1 74.2 77.4 n/a 66.3 n/a 88.4 49.8 64.4 35.3 95.5 n/a	Tertiary graduates from STEM programmes (%) Inputs of RDI in business enterprises GERD performed by business enterprises (%) GERD financed by business enterprises (%) Researchers in business enterprises (%) Firms that spend on R&D (%) Inputs of societal innovation High-skilled employment (%) Intellectual property payments (% total trade) State of cluster development Outputs Outputs Outputs Citations per document Resident patent applications (per 100 billion GDP) Outputs of RDI in business enterprises Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP) PCT applications (per 100 billion GDP) Firms producing new products and services (%) Outputs of societal innovation Trademark applications (per 100 billion GDP) Cultural goods exports (% exports) Printing and publishing output (% manufactured output) Impact Quality Research institutions prominence Growth of innovative companies	72 3 7 9 4 n/a 11 12 16 2 18 43 79 74 6 14 1 61 12 n/a 33 86 13 33 4 28 1	70.4 47.1 77.2 86.9 n/a 60.1 71.1 38.5 70.8 41 40.1 13.1 28.5 78.8 55.2 100 7.2 58.5 n/a 28.5 14.3 47.9 23.4 53 43.3 100 68.5
Labour force participation rate with short-cycle tertiary education Participation rate in formal and non-formal education and training TVET structure Government expenditure on vocational education (%) Share of students enrolled in secondary vocational programmes Share of students enrolled in post-secondary vocational programmes TVET quality and qualifications Extent of staff training Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Employment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education Post-TVET employment Share of TVET occupations Manufacturing employment (%) Equity and inclusiveness Enrolment in vocational education, gender parity	64 80 55 73 n/a 1 51 13 18 95 77 18 22 n/a 52 n/a 33 54 37 77 4	67.4 15.3 51 2.1 n/a 100 44.3 71.5 67.6 12.1 26.1 74.2 77.4 n/a 66.3 n/a 88.4 49.8 64.4 35.3 95.5 n/a	Tertiary graduates from STEM programmes (%) Inputs of RDI in business enterprises GERD performed by business enterprises (%) GERD financed by business enterprises (%) Researchers in business enterprises (%) Firms that spend on R&D (%) Inputs of societal innovation High-skilled employment (%) Intellectual property payments (% total trade) State of cluster development Outputs Outputs Outputs Citations per document Resident patent applications (per 100 billion GDP) Outputs of RDI in business enterprises Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP) PCT applications (per 100 billion GDP) Firms producing new products and services (%) Outputs of societal innovation Trademark applications (per 100 billion GDP) Printing and publishing output (% manufactured output) Impact Ouality Research institutions prominence Growth of innovative companies ISO 9001 quality certificates (per billion GDP)	72 3 7 9 4 n/a 11 12 16 2 18 43 79 74 6 14 1 61 12 n/a 33 86 13 33 4 28 1 3 108	70.4 47.1 77.2 86.9 n/a 60.1 71.1 38.5 70.8 41 40.1 13.1 28.5 78.8 55.2 100 7.2 58.5 n/a 28.5 14.3 47.9 23.4 53 40.0 68.5 3.2
Labour force participation rate with short-cycle tertiary education Participation rate in formal and non-formal education and training TVET structure Government expenditure on vocational education (%) Share of students enrolled in secondary vocational programmes Share of students enrolled in post-secondary vocational programmes TVET quality and qualifications Extent of staff training Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Employment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education Post-TVET employment Share of TVET occupations Manufacturing employment (%) Equity and inclusiveness Enrolment in vocational education, gender parity	64 80 55 73 n/a 1 51 13 18 95 77 18 22 n/a 52 n/a 33 54 37 77 4	67.4 15.3 51 2.1 n/a 100 44.3 71.5 67.6 12.1 26.1 74.2 77.4 n/a 66.3 n/a 88.4 49.8 64.4 35.3 95.5 n/a	Tertiary graduates from STEM programmes (%) Inputs of RDI in business enterprises GERD performed by business enterprises (%) GERD financed by business enterprises (%) Researchers in business enterprises (%) Firms that spend on RAD (%) Inputs of societal innovation High-skilled employment (%) Intellectual property payments (% total trade) State of cluster development Outputs Outputs Outputs Citations per document Resident patent applications (per 100 billion GDP) Outputs of RDI in business enterprises Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP) PCT applications (per 100 billion GDP) Firms producing new products and services (%) Outputs of societal innovation Trademark applications (per 100 billion GDP) Printing and publishing output (% manufactured output) Impact Ouality Research institutions prominence Growth of innovative companies ISO 9001 quality certificates (per billion GDP) ISO 14001 environmental certificates (per billion GDP)	72 3 7 9 4 n/a 11 12 16 2 18 43 79 74 6 14 1 61 12 n/a 33 86 13 33 4 28 1 3 108 115	70.4 47.1 77.2 86.9 n/a 60.1 71.1 38.5 70.8 41 40.1 13.1 28.5 78.8 55.2 100 7.2 58.5 n/a 28.5 14.3 47.9 23.4 53 43.3 100 68.5 3.2 1.6
Labour force participation rate with short-cycle tertiary education Participation rate in formal and non-formal education and training TVET structure Government expenditure on vocational education (%) Share of students enrolled in secondary vocational programmes Share of students enrolled in post-secondary vocational programmes TVET quality and qualifications Extent of staff training Quality of vocational training Ratio of high-skill TVET occupations earnings to average wage Ratio of medium-skill TVET occupations earnings to average wage TVET labour market Efficiency of the labour market Firms constrained with inadequately educated workforce (%) Employment educational mismatch (%) Proportion of skilled production workers Unemployment rate with vocational education Post-TVET employment Share of TVET occupations Manufacturing employment (%) Equity and inclusiveness Enrolment in vocational education, gender parity	64 80 55 73 n/a 1 51 13 18 95 77 18 22 n/a 52 n/a 33 54 37 77 4	67.4 15.3 51 2.1 n/a 100 44.3 71.5 67.6 12.1 26.1 74.2 77.4 n/a 66.3 n/a 88.4 49.8 64.4 35.3 95.5 n/a	Inputs of RDI in business enterprises GERD performed by business enterprises (%) GERD financed by business enterprises (%) Researchers in business enterprises (%) Researchers in business enterprises (%) Firms that spend on RAD (%) Inputs of societal innovation High-skilled employment (%) Intellectual property payments (% total trade) State of cluster development Outputs Outputs of R&D institutions Average documents per researcher Citations per document Resident patent applications (per 100 billion GDP) Outputs of RDI in business enterprises Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP) PCT applications (per 100 billion GDP) Firms producing new products and services (%) Outputs of societal innovation Trademark applications (per 100 billion GDP) Cultural goods exports (% exports) Printing and publishing output (% manufactured output) Impact Ouality Research institutions prominence Growth of innovative companies ISO 9001 quality certificates (per billion GDP) Linkages	72 3 7 9 4 n/a 11 12 16 2 18 43 79 74 6 14 1 61 12 n/a 33 86 13 33 4 28 1 3 108 115 4	70.4 47.1 77.2 86.9 n/a 60.1 71.1 38.5 70.8 41 40.1 13.1 28.5 78.8 55.2 100 7.2 58.5 n/a 28.5 14.3 47.9 23.4 53 43.3 100 68.5 3.2 1.6 62.8

New business density per thousand population

n/a

n/a n/a



	Rank	Value
INFORMATION AND COMMUNICATIONS TECHNOLOGY	2	75.1
Infrastructure	14	79.9
Coverage	7	88.7
3G/4G mobile network coverage (% population)	21	99.9
Secure Internet servers per 1 million population	2	94.6
Investment in telecommunication services (% GDP)	11	71.7
Quality	22	54.5
Mobile upload and download speeds	14	37
Fixed-broadband upload and download speeds	14	52.4
Fixed-broadband subscriptions by speed per hundred people	22	74.3
Affordability	28	96.4
Fixed broadband basket (% GNI per capita)	25	94.7
Mobile broadband basket (% GNI per capita)	55 1	94.6
Internet and telephony competition	24	56.2
Access		
Subscriptions Active mobile-broadband subscriptions per hundred inhabitants	11 5	71.3
International Internet bandwidth per user	51	52.7
Households with Internet access at home (%)	51	88
Skills and employment	33	41.2
Individuals with standard ICT skills (%)	n/a	n/a
Tertiary graduates from ICT programmes (%)	55	29.9
ICT employment (%)	15	52.4
Usage	1	89.2
Services	2	92.1
Government online services	9	93
Fixed broadband Internet traffic per subscription	n/a	n/a
Mobile broadband Internet traffic per subscription	n/a	n/a
Internet users (%)	29	91.2
Outcomes	3	86.2
ICT PCT patent applications (per 100 billion GDP)	7	97.3
E-participation	9	90.9
		1-
Internet activities by individuals (%)	n/a	n/a
Trade in digitally deliverable services (% total trade)	n/a 8	70.5
Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness	8 6 16	70.5 70.5 69.3
Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment	8 6 16 17	70.5 70.5 69.3 63.3
Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP)	8 6 16 17 81	70.5 70.5 69.3 63.3 20.6
Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance	8 6 16 17 81 15	70.5 70.5 69.3 63.3 20.6 70
Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity	8 6 16 17 81 15	70.5 70.5 69.3 63.3 20.6 70 79.9
Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control	8 6 16 17 81 15 11 44	70.5 70.5 69.3 63.3 20.6 70 79.9 82.7
Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility	8 6 16 17 81 15 11 44 20	70.5 70.5 69.3 63.3 20.6 70 79.9 82.7 75.3
Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business	8 6 16 17 81 15 11 44 20 49	70.5 70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6
Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate	8 6 16 17 81 15 11 44 20 49 15	70.5 70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1
ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate	8 6 16 17 81 15 11 44 20 49 15 16	70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1 49.9
ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate	8 6 16 17 81 15 11 44 20 49 15	70.5 70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1
ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency	8 6 16 17 81 15 11 44 20 49 15 16 49	70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1 49.9 71.4
ECONOMY ECONOMIC competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness	8 6 16 17 81 15 11 44 20 49 15 16 49 22	70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1 49.9 71.4 67.2
ECONOMY ECONOMIC competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification	8 6 16 17 81 15 11 44 20 49 15 16 49 22	70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1 49.9 71.4 67.2 59.9
ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP)	8 6 16 17 81 15 11 44 20 49 15 16 49 22 29 131	70.5 70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1 49.9 71.4 67.2 59.9 0
ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade)	8 6 16 17 81 15 11 44 20 49 15 16 49 22 29 131 11	70.5 70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1 49.9 71.4 67.2 59.9 0 54.7
ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration	8 6 6 16 17 81 15 11 44 20 49 15 16 49 22 29 131 11 17	70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1 49.9 71.4 67.2 59.9 0 54.7 90.4
ECONOMY ECONOMIC competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration	8 6 6 16 17 81 15 11 44 20 49 15 16 49 22 29 131 11 17 19	70.5 70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1 49.9 71.4 67.2 59.9 0 54.7 90.4 94.5
ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Financial openness	8 6 6 16 17 81 15 11 44 20 49 15 16 49 22 29 131 11 17 19 29	70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1 49.9 0 54.7 90.4 94.5 74.5
ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Financial openness Chinn-Ito financial openness Chinn-Ito financial openness Chinn-Ito financial openness	8 6 6 16 17 81 15 11 44 20 49 15 16 49 22 29 131 11 17 19 29 1	70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1 49.9 0 54.7 90.4 94.5 74.5 100
ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Financial openness Chinn-Ito financial openness Foreign direct investment, net inflows (% GDP)	8 6 16 17 81 15 11 44 20 49 15 16 49 22 29 131 11 17 19 29 1 90	70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 67.2 59.9 0 54.7 90.4 94.5 74.5 100 33.4
ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Financial openness Chinn-Ito financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics	8 6 16 17 81 15 11 44 20 49 15 16 49 22 29 131 11 17 19 29 1 90 33	70.5 70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 67.2 59.9 0 54.7 90.4 94.5 74.5 100 33.4 90
ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Financial openness Chinn-Ito financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added	8 6 16 17 81 15 11 44 20 49 15 16 49 22 29 131 11 17 19 29 1 90 33 4	70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 67.2 59.9 0 54.7 90.4 94.5 74.5 100 33.4 90 74.9
ECONOMY ECONOMIC competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Market concentration Financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and taxes	8 6 16 17 81 15 11 44 20 49 15 16 49 22 29 131 11 17 19 29 1 90 33 4 3	70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1 49.9 71.4 67.2 59.9 0 54.7 90.4 94.5 74.5 100 33.4 90 74.9 83.1 81.6 n/a
ECONOMY ECONOMIC competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and taxes Domestic credit to private sector (% GDP) MSME financing app (% GDP) MSME financing apg (% GDP) Tax and contribution rate (% profit)	8 6 16 17 81 15 15 16 49 22 29 131 11 17 19 29 1 1 900 33 4 4 3 2 17/4 62	70.5 70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1 49.9 71.4 67.2 59.9 0 54.7 90.4 94.5 74.5 100 33.4 90 74.9 83.1 81.6 n/a 70.9
ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Market concentration Financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and taxes Domestic credit to private sector (% GDP) MSME financing app (% GDP) Tax and contribution rate (% profit) Bank non-performing loans (%)	8 6 16 17 81 15 15 16 49 15 16 49 22 29 131 11 17 19 29 1 1 900 33 4 3 2 2 n/a 62 7	70.5 70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1 49.9 71.4 67.2 59.9 0 54.7 90.4 94.5 74.5 100 33.4 90 74.9 83.1 81.6 n/a 70.9 96.7
ECONOMY ECONOMIC competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade and diversification Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and taxes Domestic credit to private sector (% GDP) MSME financing ap (% GDP) Tax and contribution rate (% profit) Bank non-performing loans (%) Domestic value added	8 6 16 17 81 15 11 44 20 49 15 16 49 22 29 131 11 17 19 29 1 1 90 33 4 3 2 2 n/a 62 7 5	70.5 70.5 69.3 63.3 20.6 70 79.9 82.7 75.3 91.6 88.1 49.9 71.4 67.2 59.9 0 54.7 90.4 94.5 74.5 100 33.4 90 74.9 83.1 81.6 n/a 70.9 96.7 66.8
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ECONOMY ECONOMIC competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control Business agility Ease of starting a business Insolvency recovery rate Entrepreneurial employee activity rate Extent of corporate transparency Economic openness Trade (% GDP) High-technology trade (% total trade) Product concentration Market concentration Financial openness Chinn-lto financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and taxes Domestic credit to private sector (% GDP) MSME financing agp (% GDP) Tax and contribution rate (% profit) Bank non-performing loans (%) Domestic value added Medium- and high-tech activities value added Medium- and high-tech activities value added	8 6 16 17 81 15 11 44 20 49 15 16 49 22 29 131 11 17 19 29 1 1 90 33 4 3 2 2 n/a 62 7 5 22	70.5 70.5 69.3 63.3 20.6 79.9 82.7 75.3 91.6 88.1 49.9 71.4 67.2 59.9 0 54.7 90.4 94.5 74.5 100 33.4 90 74.9 83.1 81.6 n/a 70.9 96.7 66.8 53.7

	Rank	Value
ENABLING ENVIRONMENT	37	66.5
Governance	30	72.6
Political environment	48	59.1
Peace and stability	66	45.3
Voice and accountability	35	72.9
Quality of institutions	20	86
Rule of law	26	82.5
Control of corruption	21	86.8
Government effectiveness	18	88.7
Socio-economic Socio-economic	33	70.5
Gender equity	41	74.8
Female-to-male ratio in parliament	57	40.6
Female-to-male labour force participation	46	83.7
Female-to-male ratio in Internet usage	1	100
Social inclusion	42	81.1
Social protection coverage (% population)	36	83.3
Adult literacy rate	n/a	n/a
Youth not in employment, education or training (%)	38	78.8
Standard of living	26	55.7
Poverty headcount ratio (% population)	n/a	n/a
GDP per capita	8	55.7
Health and environment	116	56.3
Health	39	85.5
Universal health coverage	11	85.7
Healthy life expectancy (years)	61	74.7
Under-five mortality rate	44	96.3
Environmental performance	132	27
Renewable energy consumption (%)	101	11.6
Ecological footprint per capita	127	35.5
Natural hazard exposure	118	34

*All values are normalized to a scale from 0 (worst) to 100 (best).