

GKI RANK

63/132

GKI SCORE

46.5

WORLD AVERAGE

46.5

COUNTRY PERFORMANCE SUMMARY

Ukraine is a moderate performer in terms of its knowledge infrastructure. It ranks 63rd out of 132 countries in the Global Knowledge Index 2022 and 8th out of the 28 countries with high human development.

AREAS OF STRENGTH

- + Poverty headcount ratio (% population)
- Adult literacy rate
- Proportion of children with stimulating home learning environments
- Government funding per primary student (% GDP per capita)
- Pupil-trained teacher ratio in secondary education

AREAS OF IMPROVEMENT

- Chinn-Ito financial openness
- Bank non-performing loans (%)
- Gross fixed capital formation (% GDP)
- Insolvency recovery rate
- Citations per document

SECTORAL INDICES

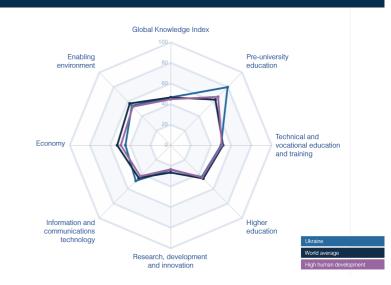
KEY INDICATORS

GDP (US\$ billions): 535.579

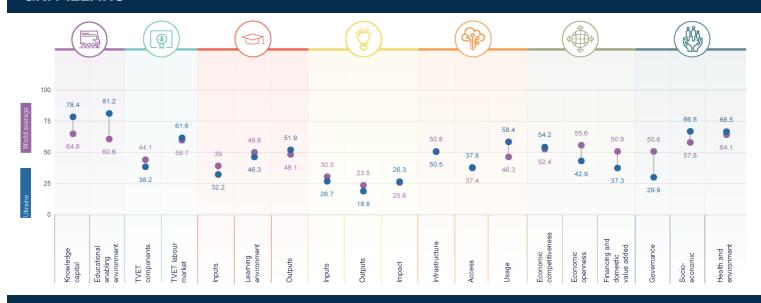
Population: 43,531,422

HDI: 0.773





GKI PILLARS



UKRAINE

	Rank	Value	
PRE-UNIVERSITY EDUCATION	18	79.8	HIGHER EDUCATION
Knowledge capital	46	78.4	Inputs
Enrolment	69	86.5	Expenditure
Net enrolment rate in primary education	96	70.88	Government expenditure per tertiary student
Net enrolment rate in lower secondary education	66	94.95	Teaching staff compensation (% tertiary expenditure)
Net enrolment rate in upper secondary education	31	93.69	Enrolment
Completion	12	84.25	Enrolment in bachelor's or equivalent level (%)
Years of compulsory education in primary and secondary	28	84.62	Enrolment in master's, doctoral or equivalent (%)
Completion rate in upper secondary education	8	96.69	Resources
Gross intake ratio to the last grade of lower secondary education	55	71.44	Pupil-teacher ratio in tertiary education
Outcomes	41	64.55	Researchers in higher education (%)
Assessment of 15-year-old students in math, science and reading	37	57.82	Learning environment
Learning-adjusted years of schooling	38	71.29	Diversity and academic freedom
Educational enabling environment	5	81.2	Teachers in tertiary education, gender parity
Expenditure	25	43.15	Inbound mobility rate
Government expenditure on primary education (% GDP)	72	29.11	Academic freedom
Government expenditure on secondary education (% GDP)	47	33.63	Equity and inclusiveness
Government funding per primary student (% GDP per capita)	6	57.24	Gross attendance ratio for tertiary education, gender parity
Government funding per secondary student (% GDP per capita)	14	52.64	Gross attendance ratio for tertiary education, wealth parity
Resources	25	96.95	Gross attendance ratio for tertiary education, location parity
Pupil-trained teacher ratio in primary education	24	89.63	Outputs
Pupil-trained teacher ratio in secondary education	5	99.4	Attainment
Schools with access to computers in primary education (%)	36	98.93	Educational attainment rate, bachelor's or equivalent
Schools with access to computers in secondary education (%)	39	99.85	Educational attainment rate, master's or equivalent
Early learning	4	92.88	Educational attainment rate, doctoral or equivalent
Gross enrolment ratio in early childhood education	n/a	n/a	Employment
Proportion of children who are developmentally on track	8	85.76	Labour force participation rate with advanced education
Proportion of children with stimulating home learning environments	1	100	Unemployment rate with advanced education
Pupil-trained teacher ratio in pre-primary education	n/a	n/a	Impact
Equity and inclusiveness	25	91.85	University-industry collaboration in R&D
Completion rate in upper secondary education, gender parity	23	97.2	Citable documents per R&D personnel in higher education
Completion rate in upper secondary education, wealth parity	24	85.38	RESEARCH, DEVELOPMENT AND INNOVATION
Completion rate in upper secondary education, location parity	30	92.96	Inputs
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING		40.0	
TECHNICAL AND VOCATIONAL EDUCATION AND THAINING	85	49.9	Inputs of R&D institutions
TVET components	97	38.2	Inputs of R&D institutions GERD (% GDP)
TVET components	97	38.2	GERD (% GDP)
TVET components Continuous training and skilling	97 113	38.2 27.14	GERD (% GDP) GERD per researcher
TVET components Continuous training and skilling Firms offering formal training (%)	97 113 74	38.2 27.14 27.14	GERD (% GDP) GERD per researcher Researchers per thousand labour force
TVET components Continuous training and skilling Firms offering formal training (%) Labour force participation rate with short-cycle tertiary education	97 113 74 n/a	38.2 27.14 27.14 n/a	GERD (% GDP) GERD per researcher Researchers per thousand labour force Tertlary graduates from STEM programmes (%) Inputs of RDI in business enterprises GERD performed by business enterprises (%)
TVET components Continuous training and skilling Firms offering formal training (%) Labour force participation rate with short-cycle tertiary education Participation rate in formal and non-formal education and training	97 113 74 n/a n/a	38.2 27.14 27.14 n/a n/a	GERD (% GDP) GERD per researcher Researchers per thousand labour force Tertlary graduates from STEM programmes (%) Inputs of RDI in business enterprises GERD performed by business enterprises (%) GERD financed by business enterprises (%)
TVET components Continuous training and skilling Firms offering formal training (%) Labour force participation rate with short-cycle tertiary education Participation rate in formal and non-formal education and training TVET structure	97 113 74 n/a n/a 36	38.2 27.14 27.14 n/a n/a 55.17	GERD (% GDP) GERD per researcher Researchers per thousand labour force Tertlary graduates from STEM programmes (%) Inputs of RDI in business enterprises GERD performed by business enterprises (%) GERD financed by business enterprises (%) Researchers in business enterprises (%)
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TVET components Continuous training and skilling Firms offering formal training (%) 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	97 113 74 n/a n/a 36 n/a 81 1 122 111 71 101 73 66 96 n/a 8 89 42 57 46 69 94	38.2 27.14 27.14 n/a n/a 55.17 n/a 10.34 100 32.21 42.5 50.87 8.26 27.22 61.6 59.17 25.56 n/a 82.98 68.97 52.97 61.04 44.89 72.72 60.16	GERD (% GDP) GERD per researcher Researchers per thousand labour force Tertlary 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 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)
TVET components Continuous training and skilling Firms offering formal training (%) 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	97 113 74 n/a n/a 36 n/a 81 1 122 111 71 101 73 66 96 n/a 8 89 42 57 46 69 94	38.2 27.14 27.14 n/a n/a 55.17 n/a 10.34 100 32.21 42.5 50.87 8.26 27.22 61.6 59.17 25.56 n/a 82.98 68.97 52.97 61.04 44.89 72.72 60.16	GERD (% GDP) GERD per researcher Researchers per thousand labour force Tertlary 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 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)
TVET components Continuous training and skilling Firms offering formal training (%) 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	97 113 74 n/a n/a 36 n/a 81 1 122 111 71 101 73 66 96 n/a 8 89 42 57 46 69 94	38.2 27.14 27.14 n/a n/a 55.17 n/a 10.34 100 32.21 42.5 50.87 8.26 27.22 61.6 59.17 25.56 n/a 82.98 68.97 52.97 61.04 44.89 72.72 60.16	GERD (% GDP) GERD per researcher Researchers per thousand labour force Tertlary 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 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
TVET components Continuous training and skilling Firms offering formal training (%) 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	97 113 74 n/a n/a 36 n/a 81 1 122 111 71 101 73 66 96 n/a 8 89 42 57 46 69 94	38.2 27.14 27.14 n/a n/a 55.17 n/a 10.34 100 32.21 42.5 50.87 8.26 27.22 61.6 59.17 25.56 n/a 82.98 68.97 52.97 61.04 44.89 72.72 60.16	GERD (% GDP) GERD per researcher Researchers per thousand labour force Tertlary 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 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

ISO 9001 quality certificates (per billion GDP)

GERD financed from abroad (%)

Computer software spending (% GDP)

New business density per thousand population Firms with products and services new to the market (%)

ISO 14001 environmental certificates (per billion GDP)

Joint ventures per strategic alliance deals (per billion GDP)

Rank Value

100 32.2

61 9.63

46 31.6

54 28.16

44 35.03

91 55.23

15 91.6

96 18.85

81 46.3

107 32.01

92 38.78

49 13.05

95 44.2

15 91.66

13 55.13

54 51.9

n/a n/a

n/a n/a

110 65.01 116 57.66

95 72.36 38.84 55 71 41.51

17 36.17

91 6.05

42 65.02

46 6.3

42 33

39 20.98

103

61 18.26

129 8.72

26 19.26

55 2.69

16 35.39

44 5.43 41.79

22 80 2.84

56 26.3

25 27.27 41.18

106

77 6.76

83 4.17 41.32

19

118 1.69

9 54.12

64 6.79

75 46.79

7.29

UKRAINE

	Rank	Value
INFORMATION AND COMMUNICATIONS TECHNOLOGY	56	48.9
Infrastructure	67	50.5
Coverage	84	38.69
3G/4G mobile network coverage (% population)	86	89.57
Secure Internet servers per 1 million population	43	7.73
Investment in telecommunication services (% GDP)	67	18.78
Quality	62	22.93
Mobile upload and download speeds	67 43	9.55
Fixed-broadband upload and download speeds Fixed-broadband subscriptions by speed per hundred people	43 57	20.37
Affordability	71	89.85
Fixed broadband basket (% GNI per capita)	49	90.84
Mobile broadband basket (% GNI per capita)	76	91.21
Internet and telephony competition	93	87.5
Access	67	37.8
Subscriptions	74	50.99
Active mobile-broadband subscriptions per hundred inhabitants	78	32.31
International Internet bandwidth per user	65	41.64
Households with Internet access at home (%)	71	79.04
Skills and employment	69	24.67
Individuals with standard ICT skills (%)	69	12.04
Tertiary graduates from ICT programmes (%)	23	42.08
ICT employment (%)	49	19.88
Usage	33	58.4
Services	8	77.45
Government online services	31	81.48
Fixed broadband Internet traffic per subscription	n/a	n/a
Mobile broadband Internet traffic per subscription	n/a 72	n/a 73.42
Internet users (%) Outcomes	75	39.44
ICT PCT patent applications (per 100 billion GDP)	76	30.8
E-participation	54	60.23
Internet activities by individuals (%)	62	23.61
Trade in digitally deliverable services (% total trade)	57	43.12
	57 97	43.12 44.8
Trade in digitally deliverable services (% total trade) ECONOMY Economic competitiveness		
ECONOMY Economic competitiveness	97	44.8
ECONOMY	9 7 54	44.8 54.2
ECONOMY Economic competitiveness Infrastructure investment	97 54 100	44.8 54.2 41.39
ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance	97 54 100 126	44.8 54.2 41.39 13.22
ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP)	97 54 100 126 64	44.8 54.2 41.39 13.22 45.75
ECONOMY Economic competitiveness Infrastructure investment Gross fixed capital formation (% GDP) Logistics performance Transport productive capacity Building quality control	97 54 100 126 64 58	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96
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	97 54 100 126 64 58 44 41 52	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08
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	97 54 100 126 64 58 44 41 52	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79
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	97 54 100 126 64 58 44 41 52 123 n/a	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 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	97 54 100 126 64 58 44 41 52 123 n/a	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 n/a 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	97 54 100 126 64 58 44 41 52 123 n/a 1	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 n/a 100 42.9
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	97 54 100 126 64 58 44 41 52 123 n/a 1 102 43	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 n/a 100 42.9 56.15
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)	97 54 100 126 64 58 44 41 52 123 n/a 1	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 n/a 100 42.9
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)	97 54 100 126 64 58 44 41 52 123 n/a 1 102 43	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 n/a 100 42.9 56.15 22.76
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	97 54 100 126 64 58 44 41 52 123 n/a 1 102 43 57 64	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 n/a 100 42.9 56.15 22.76 22.82
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	97 54 100 126 64 58 44 41 52 123 n/a 1 102 43 57 64 38	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 n/a 100 42.9 56.15 22.76 22.82 83.33
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	97 54 100 126 64 58 44 41 52 123 n/a 1 102 43 57 64 38 9	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 9.79 n/a 100 42.9 56.15 22.76 22.82 83.33 95.69
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-1to financial openness	97 54 100 126 64 58 44 41 52 123 n/a 1 102 43 57 64 38 9 131	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 9.79 n/a 100 42.9 56.15 22.76 22.82 83.33 95.69 29.72
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-tto financial openness Foreign direct investment, net inflows (% GDP)	97 54 100 126 64 58 44 41 52 123 n/a 1 102 43 57 64 38 9 131 123	44.8 54.2 41.39 13.22 45.75 80 66.96 91.08 9.79 n/a 100 42.9 56.15 22.76 22.82 83.33 95.69 29.72 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) Product concentration Market concentration Financial openness Chinn-Ito financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics	97 54 100 126 64 41 52 123 n/a 1 102 43 57 64 38 9 131 123 58	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 n/a 100 42.9 56.15 22.76 22.82 83.33 95.69 29.72 0 49.16
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-to financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added	97 54 100 126 64 45 44 41 52 123 n/a 1 102 43 57 64 38 9 131 123 58 103	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 n/a 100 42.9 56.15 22.76 22.82 83.33 95.69 29.72 0 49.16 40
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-to financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and daxes	97 54 100 126 64 45 41 52 123 n/a 1 102 43 57 64 38 9 131 123 58 103 115	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 n/a 100 42.9 56.15 22.76 22.82 83.33 95.69 29.72 0 49.16 40 37.3
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 Financing and taxes Domestic credit to private sector (% GDP)	97 54 100 126 64 58 44 41 52 123 n/a 1 102 43 57 64 38 9 131 123 58 103 115	44.8 54.2 41.39 13.22 45.75 80 66.96 91.08 9.79 n/a 100 42.9 56.15 22.76 22.82 83.33 95.69 29.72 0 49.16 40 37.3 30.73
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 Chinn-Ito 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 gap (% GDP) MSME financing gap (% GDP) MSME financing gap (% GDP) Tax and contribution rate (% profit)	97 54 100 126 64 58 44 41 52 123 n/a 1 102 43 57 64 38 9 131 123 58 103 115 131 98 86 94	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 n/a 100 42.9 56.15 22.76 22.82 83.33 95.69 29.72 0 49.16 40 37.3 8.6 52.15 62.16
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 gap (% GDP) MSME financing gap (% GDP) Tax and contribution rate (% profit) Bank non-performing loans (%)	97 54 100 126 64 58 44 41 52 123 n/a 1 102 43 57 64 38 9 131 123 58 103 115 131 98 86 94 106	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 n/a 100 42.9 56.15 22.76 22.82 83.33 95.69 29.72 0 49.16 40 37.3 8.6 52.15 62.16 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) Product concentration Market concentration Market concentration Financial openness Chinn-Ito 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 gap (% GDP) Tax and contribution rate (% profit) Bank non-performing loans (%) Domestic value added	97 54 100 126 64 58 44 152 123 n/a 1 102 43 57 64 38 9 131 123 58 103 115 131 98 86 94 106 60	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 n/a 100 42.9 56.16 22.76 22.82 83.33 95.69 29.72 0 49.16 40 37.3 30.73 8.6 52.15 62.16 0 43.95
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-tlo financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and domestic value added Financing gap (% GDP) Tax and contribution rate (% profit) Bank non-performing loans (%) Domestic value added Medium- and high-tech activities value added	97 54 100 126 64 41 52 123 n/a 1 102 43 57 64 38 9 131 123 58 103 115 131 98 86 94 106 60 45	44.8 54.2 41.39 13.22 45.75 26.59 80 9.79 n/a 100 42.9 56.15 22.76 22.82 83.33 95.69 29.72 0 49.16 40 37.3 30.73 8.6 52.15 62.16 0 43.95 39.64
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-tlo financial openness Foreign direct investment, net inflows (% GDP) Debt dynamics Financing and domestic value added Financing and domestic value added Financing ago (% GDP) Tax and contribution rate (% profit) Bank non-performing loans (%) Domestic value added Medium- and high-tech activities value added Industry and services value added (% GDP)	97 54 100 126 64 41 52 123 n/a 1 102 43 57 64 38 9 131 123 58 103 115 131 98 86 94 106 60 45 102	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 n/a 100 42.9 56.16 22.76 22.82 83.33 95.69 29.72 0 49.16 40 37.3 30.73 8.6 52.15 62.16 0 43.95 39.64 42.31
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 gap (% GDP) MSME financing gap (% GDP) MSME financing gap (% GDP) Tax and contribution rate (% profit)	97 54 100 126 64 41 52 123 n/a 1 102 43 57 64 38 9 131 123 58 103 115 131 98 86 94 106 60 45	44.8 54.2 41.39 13.22 45.75 26.59 80 66.96 91.08 9.79 n/a 100 42.9 56.15 22.76 22.82 83.33 95.69 29.72 0 49.16 40 37.3 30.73 8.6 52.15 62.16 0 43.95 39.64

	Rank	Value
ENABLING ENVIRONMENT	66	54.4
Governance	99	29.9
Political environment	93	30.53
Peace and stability	119	11.79
Voice and accountability	65	49.28
Quality of institutions	103	29.17
Rule of law	109	26.44
Control of corruption	105	24.52
Government effectiveness	94	36.54
Socio-economic	38	66.8
Gender equity	81	64.85
Female-to-male ratio in parliament	92	25.52
Female-to-male labour force participation	72	75.93
Female-to-male ratio in Internet usage	81	93.1
Social inclusion	41	80.51
Social protection coverage (% population)	42	72.22
Adult literacy rate	1	100
Youth not in employment, education or training (%)	56	69.3
Standard of living	26	55.18
Poverty headcount ratio (% population)	1	100
GDP per capita	77	10.36
Health and environment	57	66.5
Health	68	78.56
Universal health coverage	55	72.95
Healthy life expectancy (years)	78	68.44
Under-five mortality rate	52	94.28
Environmental performance	62	54.47
Renewable energy consumption (%)	111	7.73
Ecological footprint per capita	60	87.69
Natural hazard exposure	39	68

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