



IMD World Competitiveness Yearbook 2022

COUNTRY
PROFILE

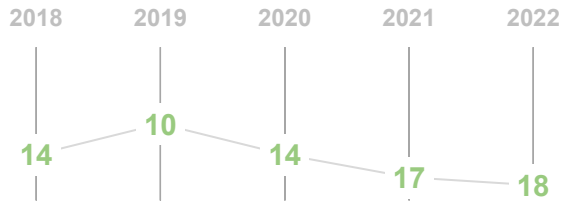
QATAR



Qatar

Competitiveness Trends – Overall

OVERALL PERFORMANCE (63 countries)



CHALLENGES IN 2022

- Invest in human capital formation to allow more productive Qatari participation in the labour force.
- Improve business climate and attract top international talent in Qatar.
- Sustain economic growth & continue economic diversification effort with a greater role for the private sector in the economy.
- Accelerate digital transformation and manage labor mix to boost productivity.
- Support continuous social, economic, and environmental development.

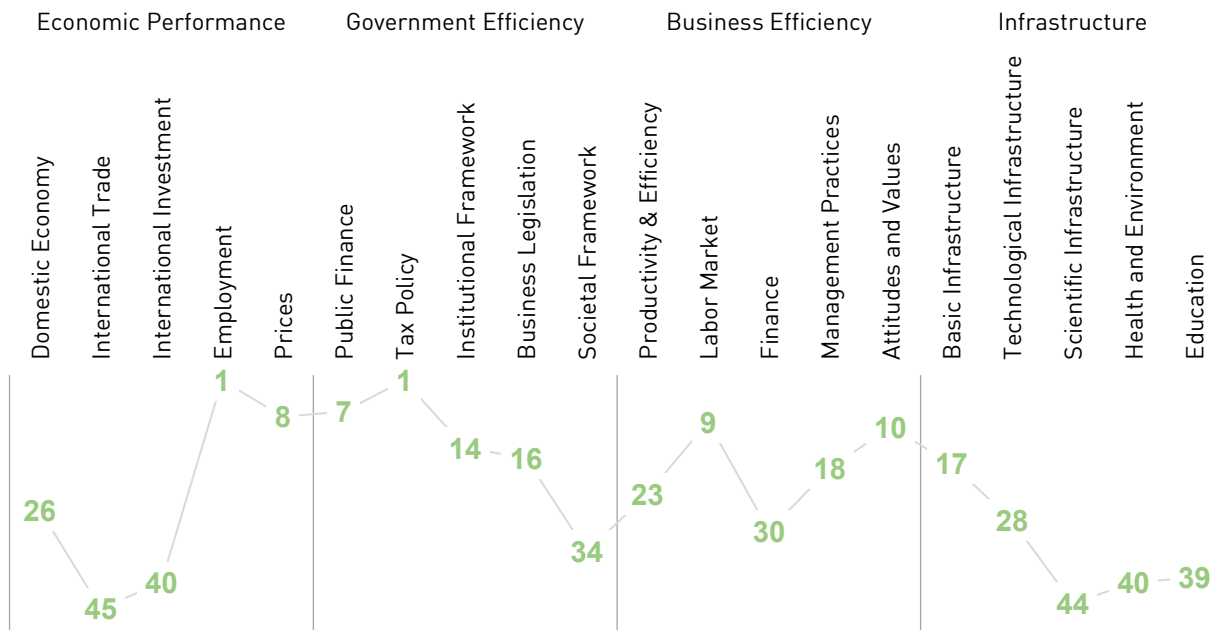
PROVIDED BY: Planning and Statistics Authority, Department of Strategic Planning

BASIC FACTS

Rank

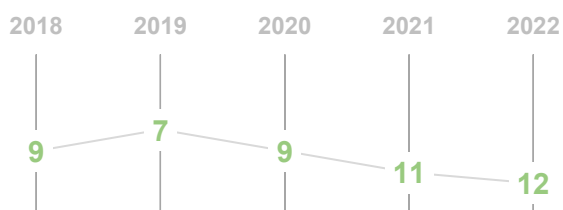
Indicator	Value	Year	Rank
Capital	Doha		
Land area (square km '000)	11	2021	
Exchange Rate (per \$)	3.640	2021	
Population - market size (millions)	2.75	2021	55
Gross Domestic Product (GDP) (US\$ billions)	179.6	2021	48
GDP (PPP) per capita (US\$)	99,724	2021	04
Real GDP growth (%)	1.5	2021	61
Consumer price inflation (%)	2.25	2021	20
Unemployment rate (%)	0.14	2021	01
Labor force (millions)	2.02	2021	51
Current account balance (% of GDP)	14.64	2021	04
Direct investment stocks inward (\$bn)	28.6	2020	56
Direct investment flows inward (% of GDP)	-1.69	2020	58

COMPETITIVENESS LANDSCAPE

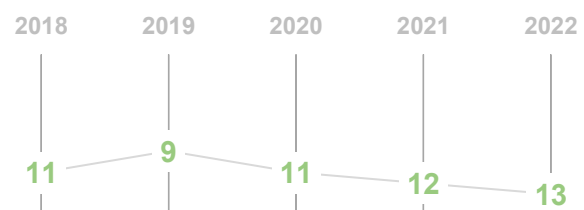


PEER GROUPS RANKINGS

EUROPE - MIDDLE EAST - AFRICA (40 countries)



POPULATIONS < 20 MILLION (36 countries)



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Competitiveness Evolution & Attractiveness Indicators

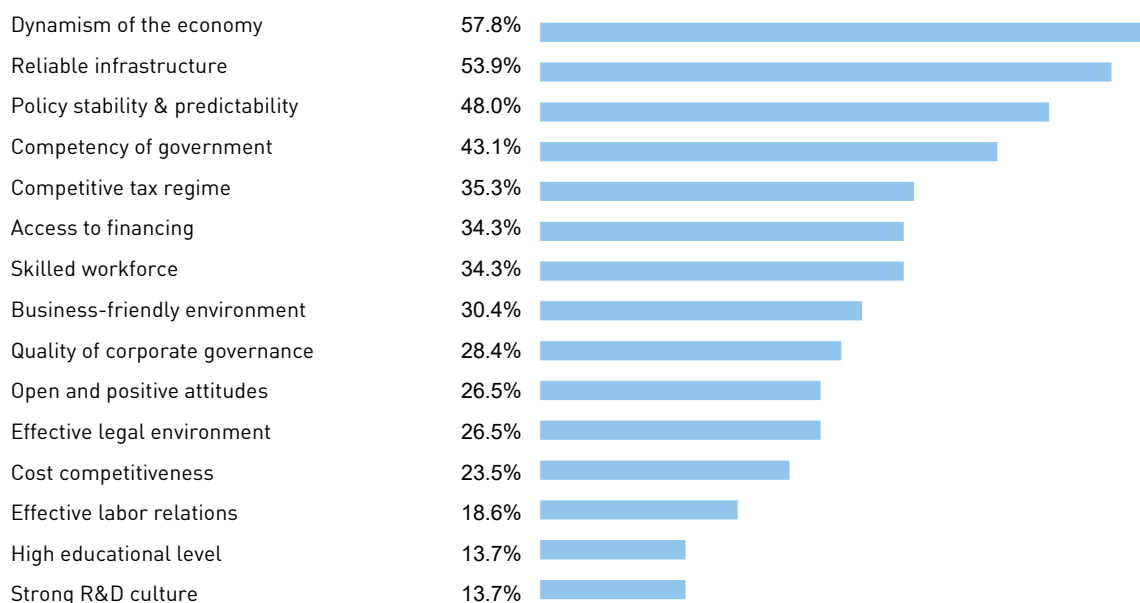
COMPETITIVENESS EVOLUTION

The criteria below highlight the 15 biggest Improvements and the 15 biggest Declines in the overall performance of the economy. They are determined by the largest percentage changes in the value of each criterion from one yearbook to the next.

	WCY 2021	WCY 2022		WCY 2021	WCY 2022
IMPROVEMENTS			DECLINES		
1.2.02 Current account balance	-2.47	14.64	4.1.07 Population - growth	0.39	-3.02
1.1.15 Real GDP growth per capita	-4.03	4.68	1.5.01 Consumer price inflation	-2.72	2.25
2.1.02 Government budget surplus/deficit (%)	1.31	4.09	1.1.13 Economic complexity index	0.05	-0.01
1.1.14 Real GDP growth	-3.7	1.5	2.3.08 Exchange rate stability	0.016	0.031
1.2.08 Exports of goods (\$bn)	51.12	86.68	1.4.09 Youth unemployment	0.46	0.69
4.3.16 Patent applications per capita	4.65	7.41	1.5.06 Gasoline prices	0.46	0.65
1.2.09 Exports of goods (%)	34.92	48.27	1.2.25 Tourism receipts	3.10	2.47
4.3.19 Medium- and high-tech value added	47.86	65.01	2.2.01 Collected total tax revenues	3.07	3.60
2.4.07 Government subsidies	0.26	0.17	4.1.09 Dependency ratio	17.8	20.8
1.1.18 Gross fixed capital formation - real growth	-14.82	-10.39	3.2.01 Compensation levels	12.03	13.96
4.4.13 Safely treated waste water	76.9	99.5	3.3.01 Banking sector assets	174.38	148.60
2.5.13 Unemployment rate - gender ratio	7.71	5.63	3.3.19 Corporate debt	6.34	5.45
1.1.20 GDP per capita	52,174	65,342	2.1.08 Tax evasion	6.39	5.59
2.5.06 Gini coefficient	43.00	35.00	1.2.13 Exports of commercial services (%)	11.35	9.94
2.1.04 Total general government debt (%)	71.63	58.39	4.5.17 University education index	3.68	3.30

KEY ATTRACTIVENESS INDICATORS

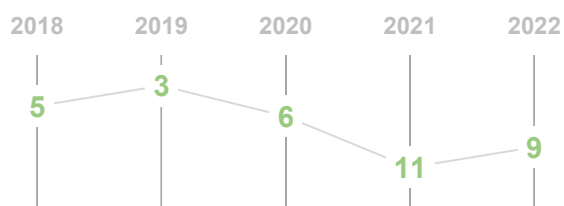
From a list of 15 indicators, respondents of the Executive Opinion Survey were asked to select 5 that they perceived as the key attractiveness factors of their economy. The chart shows the percentage of responses per indicator from the highest number of responses to the lowest.



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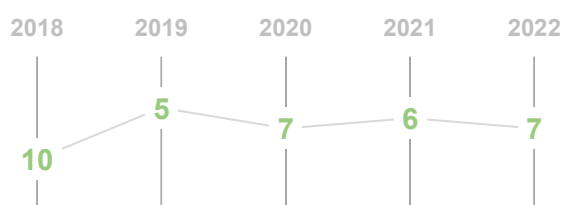
Competitiveness Trends – Factor Breakdown

ECONOMIC PERFORMANCE



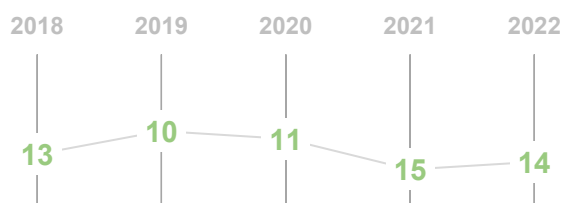
SUB-FACTOR RANKINGS :	2021	2022
Domestic Economy	14	26
International Trade	57	45
International Investment	41	40
Employment	01	01
Prices	03	08

GOVERNMENT EFFICIENCY



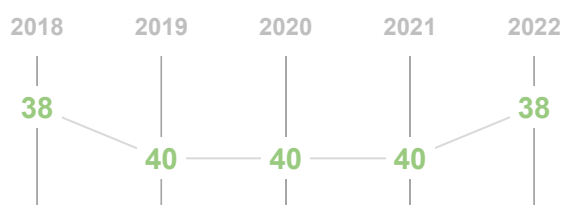
SUB-FACTOR RANKINGS :	2021	2022
Public Finance	02	07
Tax Policy	01	01
Institutional Framework	15	14
Business Legislation	18	16
Societal Framework	36	34

BUSINESS EFFICIENCY



SUB-FACTOR RANKINGS :	2021	2022
Productivity & Efficiency	18	23
Labor Market	09	09
Finance	22	30
Management Practices	17	18
Attitudes and Values	11	10

INFRASTRUCTURE



SUB-FACTOR RANKINGS :	2021	2022
Basic Infrastructure	08	17
Technological Infrastructure	34	28
Scientific Infrastructure	48	44
Health and Environment	46	40
Education	42	39

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Balance Sheet – Factor Breakdown

ECONOMIC PERFORMANCE

STRENGTHS		Rank	WEAKNESSES		Rank
1.4.09	Youth unemployment	01	1.2.24	Terms of trade index	63
1.4.07	Unemployment rate	01	1.1.14	Real GDP growth	61
1.1.09	Gross fixed capital formation (%)	02	1.2.18	Export concentration by product	59
1.4.08	Long-term unemployment	02	1.1.18	Gross fixed capital formation - real growth	59
1.4.02	Employment (%)	03	1.3.08	Direct investment stocks inward (% of GDP)	58
1.1.21	GDP (PPP) per capita	04	1.3.06	Direct investment flows inward (% of GDP)	58
1.2.02	Current account balance	04	1.3.07	Direct investment stocks inward (\$bn)	56
1.1.19	Resilience of the economy	07	1.3.05	Direct investment flows inward (\$bn)	56
1.5.06	Gasoline prices	09	1.1.13	Economic complexity index	54
1.1.20	GDP per capita	09	1.5.04	Office rent	52

GOVERNMENT EFFICIENCY

STRENGTHS		Rank	WEAKNESSES		Rank
2.2.08	Consumption tax rate	01	2.5.13	Unemployment rate - gender ratio	63
2.2.02	Collected personal income tax	01	2.3.16	Democracy Index	56
2.4.07	Government subsidies	01	2.4.04	Foreign investors	55
2.1.02	Government budget surplus/deficit (%)	02	2.4.15	Start-up procedures	53
2.2.01	Collected total tax revenues	02	2.3.15	Sustainable Development Goals	52
2.2.07	Corporate tax rate on profit	03	2.4.01	Tariff barriers	52
2.3.10	Adaptability of government policy	03	2.5.16	Freedom of the Press	50
2.1.07	Public finances	03	2.4.19	Redundancy costs	49
2.4.17	Unemployment legislation	04			-
2.5.04	Risk of political instability	04			-

BUSINESS EFFICIENCY

STRENGTHS		Rank	WEAKNESSES		Rank
3.2.17	Foreign labor force - migrant stock	01	3.2.16	Female labor force	63
3.2.06	Working hours	02	3.4.11	Women in management	54
3.2.23	International experience	02	3.2.14	Labor force - long-term growth	51
3.2.12	Labor force (%)	03	3.3.19	Corporate debt	39
3.4.07	Use of big data and analytics	03	3.1.10	Use of digital tools and technologies	31
3.4.09	Entrepreneurship	03			-
3.2.22	Foreign highly-skilled personnel	04			-
3.4.08	Customer satisfaction	04			-
3.5.05	Need for economic and social reforms	05			-
3.5.06	Digital transformation in companies	06			-

INFRASTRUCTURE

STRENGTHS		Rank	WEAKNESSES		Rank
4.2.17	Cyber security	01	4.4.17	Exposure to particle pollution	62
4.2.06	Internet users	01	4.4.18	Renewable energies (%)	62
4.1.09	Dependency ratio	02	4.1.07	Population - growth	61
4.2.02	Mobile Broadband subscribers	03	4.4.01	Total health expenditure	61
4.4.13	Safely treated waste water	03	4.5.01	Total public expenditure on education	56
4.3.19	Medium- and high-tech value added	04	4.2.07	Broadband subscribers	55
4.1.20	Electricity costs for industrial clients	04	4.2.03	Mobile Telephone costs	55
4.1.15	Energy infrastructure	05	4.2.05	Secure internet servers	54
4.1.05	Management of cities	06	4.3.05	Business expenditure on R&D (%)	54
4.4.04	Health infrastructure	06	4.5.07	Higher education achievement	53

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Extended Country Profile

1 - Economic Performance

1.1 - Domestic Economy

	Value	Average	Rank	Year
1.1.00 - Exchange Rate National currency per US\$ (average)	3.640	21,532.090		2021
1.1.01 - Gross Domestic Product (GDP) US\$ billions	179.6	1,394.4	48	2021
1.1.02 - GDP (PPP) Estimates ; US\$ billions at purchasing power parity	274.1	1,981.9	47	2021
1.1.03 - World GDP contribution Percentage share of world GDP in market prices	0.19	1.44	48	2021
1.1.04 - Household consumption expenditure (\$bn) US\$ billions	35.9	735.2	53	2021
1.1.05 - Household consumption expenditure (%) Percentage of GDP	20.0	53.4	63	2021
1.1.06 - Government consumption expenditure (\$bn) US\$ billions	29.9	232.9	45	2021
1.1.07 - Government consumption expenditure (%) Percentage of GDP	16.7	18.3	41	2021
1.1.08 - Gross fixed capital formation (\$bn) US\$ billions	69.2	351.9	38	2021
1.1.09 - Gross fixed capital formation (%) Percentage of GDP	38.6	22.7	2	2021
1.1.10 - Gross domestic savings (\$bn) US\$ billions	113.8	379.1	33	2021
1.1.11 - Gross domestic savings (%) Percentage of GDP	63.4	28.3	2	2021
1.1.12 - Economic sectors Breakdown of the economic sectors, percentage of GDP				2021
Economic sectors / Agriculture	0.3	3.7		2021
Economic sectors / Industry	60.0	29.1		2021
Economic sectors / Services	39.7	67.0		2021
1.1.13 - Economic complexity index Measures knowledge intensity, by considering exports	-0.01	0.86	54	2019
1.1.14 - Real GDP growth Percentage change, based on national currency in constant prices	1.5	5.6	61	2021
1.1.15 - Real GDP growth per capita Percentage change, based on national currency in constant prices	4.68	5.35	32	2021
1.1.16 - Household consumption expenditure - real growth Percentage change, based on constant prices	-10.46	4.78	62	2020
1.1.17 - Government consumption expenditure - real growth Percentage change, based on constant prices	4.42	4.01	26	2020
1.1.18 - Gross fixed capital formation - real growth Percentage change, based on constant prices	-10.39	6.32	59	2020
1.1.19 - Resilience of the economy Resilience of the economy to economic cycles is strong	7.63	5.88	7	2022
1.1.20 - GDP per capita US\$ per capita	65,342	34,279	9	2021
1.1.21 - GDP (PPP) per capita Estimates; US\$ per capita at purchasing power parity	99,724	44,580	4	2021
1.1.22 - Forecast: Real GDP growth Percentage change, based on national currency in constant prices	3.4	3.7	38	2022
1.1.23 - Forecast: Inflation Percentage change	3.5	38.4	16	2022
1.1.24 - Forecast: Unemployment Percentage of total labor force	-	6.3		
1.1.25 - Forecast: Current account balance Percentage of GDP	19.9	1.7	2	2022

1.2 · International Trade

Value Average Rank Year

1.2.01 · Current account balance (\$bn) US\$ billions (minus sign = deficit)	26.3	10.4	19	2021
1.2.02 · Current account balance Percentage of GDP	14.64	1.64	4	2021
1.2.03 · Balance of trade (\$bn) US\$ billions (minus sign = deficit)	58.8	-2.5	12	2021
1.2.04 · Balance of trade (%) Percentage of GDP	32.73	0.27	1	2021
1.2.05 · Balance of commercial services (\$bn) US\$ billions (minus sign = deficit)	-15.16	8.39	57	2021
1.2.06 · Balance of commercial services (%) Percentage of GDP	-8.44	1.84	62	2021
1.2.07 · World exports contribution Percentage share of world exports (goods and commercial services)	0.37	1.45	43	2021
1.2.08 · Exports of goods (\$bn) US\$ billions	86.68	321.20	39	2021
1.2.09 · Exports of goods (%) Percentage of GDP	48.27	41.98	20	2021
1.2.10 · Exports of goods per capita US\$ per capita	31,539	15,049	8	2021
1.2.11 · Exports of goods - growth Percentage change, based on US\$ values	68.29	27.30	2	2021
1.2.12 · Exports of commercial services (\$bn) US\$ billions	17.84	88.34	41	2021
1.2.13 · Exports of commercial services (%) Percentage of GDP	9.94	15.10	31	2021
1.2.14 · Exports of commercial services - growth Percentage change, based on US\$ values	-2.91	17.14	56	2021
1.2.15 · Exports of goods & commercial services US\$ billions	104.52	408.43	43	2021
1.2.16 · Exports breakdown by economic sector Percentage of total exports				2020
Exports breakdown by economic sector / Agriculture	0.1	11.3		2020
Exports breakdown by economic sector / Industry	73.6	64.4		2020
Exports breakdown by economic sector / Services	26.3	24.3		2020
1.2.17 · Export concentration by partner Exports to top 5 countries, percentage of total exports	64.5	55.0	52	2020
1.2.18 · Export concentration by product Top 5 products, percentage of total exports	86.4	57.6	59	2020
1.2.19 · Imports of goods & commercial services (\$bn) US\$ billions	60.9	402.5	15	2021
1.2.20 · Imports of goods & commercial services (%) Percentage of GDP	33.9	54.7	23	2021
1.2.21 · Imports of goods & commerc. services growth Percentage change, based on US\$ values	3.70	24.33	4	2021
1.2.22 · Imports breakdown by economic sector Percentage of total imports				2020
Imports breakdown by economic sector / Agriculture	5.4	9.0		2020
Imports breakdown by economic sector / Industry	38.6	67.7		2020
Imports breakdown by economic sector / Services	56.0	23.3		2020
1.2.23 · Trade to GDP ratio (Exports + Imports) / GDP	89.06	102.61	27	2020
1.2.24 · Terms of trade index Unit value of exports over unit value of imports	65.5	99.4	63	2020
1.2.25 · Tourism receipts International tourism receipts as a percentage of GDP	2.47	1.54	12	2020

1.3 · International Investment

Value Average Rank Year

1.3.01 · Direct investment flows abroad (\$bn) US\$ billions	2.73	14.96	32	2020
1.3.02 · Direct investment flows abroad (% of GDP) Percentage of GDP	1.89	4.62	17	2020
1.3.03 · Direct investment stocks abroad (\$bn) US\$ billions	47.5	612.1	42	2020
1.3.04 · Direct investment stocks abroad (% of GDP) Percentage of GDP	32.90	109.57	30	2020
1.3.05 · Direct investment flows inward (\$bn) US\$ billions	-2.43	16.61	56	2020
1.3.06 · Direct investment flows inward (% of GDP) Percentage of GDP	-1.69	4.86	58	2020
1.3.07 · Direct investment stocks inward (\$bn) US\$ billions	28.6	613.9	56	2020
1.3.08 · Direct investment stocks inward (% of GDP) Percentage of GDP	19.82	122.21	58	2020
1.3.09 · Balance of direct investment flows (\$bn) US\$ billions (flows abroad minus flows inward)	5.16	-1.64	15	2020
1.3.10 · Balance of direct investment flows (%) Percentage of GDP (flows abroad minus flows inward)	3.58	-0.24	4	2020
1.3.11 · Net position in direct investment stocks (\$bn) US\$ billions (stocks abroad minus stocks inward)	18.9	-1.8	21	2020
1.3.12 · Net position in direct investment stocks (%) Percentage of GDP (stocks abroad minus stocks inward)	13.08	-12.64	16	2020
1.3.13 · Relocation threats of business Relocation of business is not a threat to the future of your economy	6.24	5.36	10	2022
1.3.14 · Portfolio investment assets US\$ billions	14.81	38.51	28	2020
1.3.15 · Portfolio investment liabilities US\$ billions	2.26	34.92	36	2020

1.4 · Employment

Value Average Rank Year

1.4.01 · Employment Total employment in millions	2.02	38.16	51	2021
1.4.02 · Employment (%) Percentage of population	73.54	47.14	3	2021
1.4.03 · Employment - growth Estimates: percentage change	-5.07	1.54	63	2021
1.4.04 · Employment - long-term growth Estimates: five year percentage change	-3.35	-0.41	47	2021
1.4.05 · Employment by sector Percentage of total employment				2021
Employment by sector / Agriculture	1.3	7.7		2021
Employment by sector / Industry	40.7	23.5		2021
Employment by sector / Services	58.0	68.8		2021
1.4.06 · Employment in the public sector Percentage of total employment	10.00	17.83	14	2020
1.4.07 · Unemployment rate Percentage of labor force	0.14	8.00	1	2021
1.4.08 · Long-term unemployment Percentage of labor force	0.03	2.81	2	2021
1.4.09 · Youth unemployment Percentage of youth labor force (under the age of 25)	0.69	17.13	1	2021
1.4.10 · Youth exclusion Share of youth population (15-24) not in education, employment or training	10.0	14.6	23	2019

1.5 · Prices

Value Average Rank Year

1.5.01 · Consumer price inflation	2.25	29.25	20	2021
Average annual rate				
1.5.02 · Cost-of-living index	63.20	78.37	12	2021
Index of a basket of goods & services in the main city, including housing (New York City = 100)				
1.5.03 · Apartment rent	2,595	1,530	52	2018
3-room apartment monthly rent in major cities, US\$				
1.5.04 · Office rent	891	656	52	2021
Total occupation cost in the main city (US\$/Sq.M. per year)				
1.5.05 · Food costs	11.77	17.58	14	2021
Percentage of household final consumption expenditures				
1.5.06 · Gasoline prices	0.65	1.26	9	2021
Premium unleaded gasoline (95 Ron) US\$ per litre				

QATAR

Extended Country Profile

2 · Government Efficiency

2.1 · Public Finance

	Value	Average	Rank	Year
2.1.01 · Government budget surplus/deficit (\$bn) US\$ billions	7.35	-91.93	3	2021
2.1.02 · Government budget surplus/deficit (%) Percentage of GDP	4.09	-4.00	2	2021
2.1.03 · Total general government debt (\$bn) US\$ billions	104.86	1,436.31	18	2021
2.1.04 · Total general government debt (%) Percentage of GDP	58.39	71.59	30	2021
2.1.05 · Total general government debt-real growth Percentage change, based on national currency in constant prices	-2.21	8.58	7	2021
2.1.06 · Interest payment (%) Percentage of current revenue	5.90	5.98	42	2021
2.1.07 · Public finances Public finances are being efficiently managed	7.55	4.92	3	2022
2.1.08 · Tax evasion Tax evasion is not a threat to your economy	5.59	5.05	27	2022
2.1.09 · Pension funding Pension funding is adequately addressed for the future	6.67	4.77	10	2022
2.1.10 · General government expenditure Percentage of GDP	29.4	38.2	21	2021

2.2 · Tax Policy

	Value	Average	Rank	Year
2.2.01 · Collected total tax revenues Percentage of GDP	3.60	27.09	2	2020
2.2.02 · Collected personal income tax On profits, income and capital gains, as a percentage of GDP	0.00	6.00	1	2018
2.2.03 · Collected corporate taxes On profits, income and capital gains, as a percentage of GDP	3.14	2.70	44	2020
2.2.04 · Collected indirect tax revenues Taxes on goods and services as a percentage of GDP	0.46	9.41	1	2020
2.2.05 · Collected capital and property taxes Percentage of GDP	0.00	1.47	1	2018
2.2.06 · Collected social security contribution Compulsory contribution of employees and employers as a percentage of GDP	0.00	7.28	1	2018
2.2.07 · Corporate tax rate on profit Maximum tax rate, calculated on profit before tax	10.00	22.34	3	2021
2.2.08 · Consumption tax rate Standard rate of VAT/GST	0.00	16.37	1	2021
2.2.09 · Employer social security tax rate %	10.0	16.0	20	2021
2.2.10 · Employee social security tax rate %	5.0	10.4	16	2021
2.2.11 · Real personal taxes Real personal taxes do not discourage people from working or seeking advancement	6.95	5.12	6	2022

2.3 · Institutional Framework

Value Average Rank Year

2.3.01 · Real short-term interest rate Real discount / bank rate	-1.91	-3.07	36	2021
2.3.02 · Cost of capital Cost of capital encourages business development	6.83	5.63	15	2022
2.3.03 · Interest rate spread Lending rate minus deposit rate	1.97	3.49	19	2021
2.3.04 · Country credit rating Index (0-60) of three country credit ratings: Fitch, Moody's and S&P	51.0	43.0	22	2021
2.3.05 · Central bank policy Central bank policy has a positive impact on the economy	7.96	6.31	4	2022
2.3.06 · Foreign currency reserves US\$ billions	42.20	216.77	39	2021
2.3.07 · Foreign currency reserves per capita US\$ per capita	15,357	9,199	9	2021
2.3.08 · Exchange rate stability Parity change from national currency to SDR, 2021 / 2019	0.031	0.072	31	2021
2.3.09 · Legal and regulatory framework The legal and regulatory framework encourages the competitiveness of enterprises	7.41	5.37	5	2022
2.3.10 · Adaptability of government policy Adaptability of government policy to changes in the economy is high	7.55	4.83	3	2022
2.3.11 · Transparency Transparency of government policy is satisfactory	7.35	4.87	7	2022
2.3.12 · Bureaucracy Bureaucracy does not hinder business activity	5.57	3.72	8	2022
2.3.13 · Bribery and corruption Bribery and corruption do not exist	7.57	4.77	9	2022
2.3.14 · Rule of law Rule of Law Index	82.69	72.47	29	2020
2.3.15 · Sustainable Development Goals Country performance on the 17 SDGs	66.7	75.1	52	2021
2.3.16 · Democracy Index EIU Overall Democracy Index, © The Economist Intelligence Unit Limited 2021	3.65	6.97	56	2021

2.4 · Business Legislation

Value Average Rank Year

2.4.01 · Tariff barriers	3.55	2.32	52	2020
Tariffs on imports: Applied weighted mean tariff rate for all products				
2.4.02 · Protectionism	7.25	5.74	12	2022
Protectionism of your government does not impair the conduct of your business				
2.4.03 · Public sector contracts	7.04	5.96	17	2022
Public sector contracts are sufficiently open to foreign bidders				
2.4.04 · Foreign investors	5.37	6.82	55	2022
Foreign investors are free to acquire control in domestic companies				
2.4.05 · Capital markets	6.88	6.57	29	2022
Capital markets (foreign and domestic) are easily accessible				
2.4.06 · Investment incentives	6.80	5.93	14	2022
Investment incentives are attractive to foreign investors				
2.4.07 · Government subsidies	0.17	2.02	1	2021
To private and public companies as a percentage of GDP				
2.4.08 · Subsidies	6.94	5.52	11	2022
Subsidies do not distort fair competition and economic development				
2.4.09 · State ownership of enterprises	7.08	6.04	15	2022
State ownership of enterprises is not a threat to business activities				
2.4.10 · Competition legislation	7.20	5.84	9	2022
Competition legislation is efficient in preventing unfair competition				
2.4.11 · Parallel economy	5.43	5.14	26	2022
Parallel (black-market, unrecorded) economy does not impair economic development				
2.4.12 · New business density	6.3	5.8	21	2018
Registered new businesses per 1'000 people aged 15-64				
2.4.13 · Creation of firms	7.82	6.63	13	2022
Creation of firms is supported by legislation				
2.4.14 · Start-up days	9.0	15.1	31	2019
Number of days to start a business				
2.4.15 · Start-up procedures	8.5	6.0	53	2019
Number of procedures to start a business				
2.4.16 · Labor regulations	7.01	5.50	10	2022
Labor regulations (hiring/firing practices, minimum wages, etc.) do not hinder business activities				
2.4.17 · Unemployment legislation	6.73	4.99	4	2022
Unemployment legislation provides an incentive to look for work				
2.4.18 · Immigration laws	6.86	5.83	13	2022
Immigration laws do not prevent your company from employing foreign labor				
2.4.19 · Redundancy costs	16.0	9.4	49	2019
Number of weeks of salary				

2.5 · Societal Framework

Value Average Rank Year

2.5.01 · Justice Justice is fairly administered	7.96	5.72	10	2022
2.5.02 · Homicide Intentional homicide, rate per 100'000 population	-	4.28		
2.5.03 · Ageing of population Population over 65, percentage of total population	1.4	14.8	2	2021
2.5.04 · Risk of political instability The risk of political instability is very low	8.79	5.80	4	2022
2.5.05 · Social cohesion Social cohesion is high	7.86	5.68	7	2022
2.5.06 · Gini coefficient Equal distribution of income scale: 0 (absolute equality) to 100 (absolute inequality)	35.00	35.03	38	2018
2.5.07 · Income distribution - lowest 10% Percentage of household incomes going to lowest 10% of households	3.30	2.75		2018
2.5.08 · Income distribution - highest 10% Percentage of household incomes going to highest 10% of households	23.40	26.98		2018
2.5.09 · Income distribution - lowest 40% Percentile going to the lowest 40% of households	-	18.99		
2.5.10 · Income distribution - lowest 40% growth Percentile going to the lowest 40% of households - growth	-	0.34		
2.5.11 · Equal opportunity Equal opportunity legislation in your economy encourages economic development	7.52	6.17	9	2022
2.5.12 · Females in parliament Percentage of total seats in Parliament	4.44	29.11	63	2021
2.5.13 · Unemployment rate - gender ratio Ratio of the female and male unemployment rates	5.63	1.25	63	2021
2.5.14 · Gender inequality Gender Inequality Index (UNDP)	0.185	0.183	38	2019
2.5.15 · Disposable Income Female / male ratio	81.1	72.2	19	2021
2.5.16 · Freedom of the Press Reporters Without Borders: World Press Freedom Score	42.60	27.85	50	2021

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Extended Country Profile

3 · Business Efficiency

3.1 · Productivity & Efficiency

Value Average Rank Year

3.1.01 · Overall productivity (PPP) Estimates: GDP (PPP) per person employed, US\$	120,515	84,576	10	2021
3.1.02 · Overall productivity (PPP) - real growth Estimates: Percentage change of GDP (PPP) per person employed	-0.14	2.84	53	2021
3.1.03 · Labor productivity (PPP) Estimates: GDP (PPP) per person employed per hour, US\$	48.57	48.28	31	2021
3.1.04 · Agricultural productivity (PPP) Estimates: Related GDP (PPP) per person employed in agriculture, US\$	30,451	55,834	46	2021
3.1.05 · Productivity in industry (PPP) Estimates: Related GDP (PPP) per person employed in industry, US\$	199,933	107,180	2	2021
3.1.06 · Productivity in services (PPP) Estimates: Related GDP (PPP) per person employed in services, US\$	92,740	86,235	30	2021
3.1.07 · Workforce productivity Workforce productivity is competitive by international standards	6.92	6.15	20	2022
3.1.08 · Large corporations Large corporations are efficient by international standards	7.52	6.67	10	2022
3.1.09 · Small and medium-size enterprises Small and medium-size enterprises are efficient by international standards	6.49	6.12	29	2022
3.1.10 · Use of digital tools and technologies Companies are very good at using digital tools and technologies to improve performance	6.24	6.29	31	2022

3.2.01 · Compensation levels	13.96	15.09	38	2021
Total hourly compensation in manufacturing (wages + supplementary benefits), US\$				
3.2.02 · Unit labor costs for total economy	-	1.59		
Percentage change				
3.2.03 · Remuneration in services professions	22,573	28,619	28	2018
Gross annual income including supplements such as bonuses, US\$				
Remuneration in services professions / Call center agent	15,663	19,099		2018
Remuneration in services professions / Nurse	23,222	30,277		2018
Remuneration in services professions / Primary school	31,691	30,970		2018
Remuneration in services professions / Product Manager	33,755	49,302		2018
Remuneration in services professions / Sales Assistant	14,534	19,165		2018
Remuneration in services professions / Secretary / Personal	16,574	22,903		2018
3.2.04 · Remuneration of management	161,676	169,169	32	2019
Total base salary plus bonuses and long-term incentives, US\$				
Remuneration of management / CEO	185,714	306,535		2019
Remuneration of management / Director manufacturing	178,846	149,356		2019
Remuneration of management / Engineer	111,813	80,327		2019
Remuneration of management / Human resources director	170,330	140,455		2019
3.2.05 · Remuneration spread	11.14	17.99	18	2018
Ratio of CEO to personal assistant remuneration				
3.2.06 · Working hours	2,481	1,843	2	2021
Average number of working hours per year				
3.2.07 · Worker motivation	6.55	5.87	15	2022
Worker motivation in companies is high				
3.2.08 · Industrial disputes	-	12.21		
Working days lost per 1,000 inhabitants per year (average 2018-2020)				
3.2.09 · Apprenticeships	6.18	5.20	8	2022
Apprenticeships are sufficiently implemented				
3.2.10 · Employee training	6.52	6.03	19	2022
Employee training is a high priority in companies				
3.2.11 · Labor force	2.02	40.47	51	2021
Employed and registered unemployed (millions)				
3.2.12 · Labor force (%)	73.65	50.09	3	2021
Percentage of population				
3.2.13 · Labor force growth	-5.07	1.18	63	2021
Percentage change				
3.2.14 · Labor force - long-term growth	-3.31	-0.67	51	2021
Estimates: five year percentage change				
3.2.15 · Part-time employment	1.55	15.19	58	2020
Percentage of total employment				
3.2.16 · Female labor force	15.28	42.68	63	2021
Percentage of total labor force				
3.2.17 · Foreign labor force - migrant stock	78.05	17.76	1	2020
Migrant stock, age 20-64, % of population				
3.2.18 · Skilled labor	6.29	5.21	12	2022
Skilled labor is readily available				
3.2.19 · Finance skills	6.80	6.07	16	2022
Finance skills are readily available				
3.2.20 · Attracting and retaining talents	7.39	6.82	22	2022
Attracting and retaining talents is a priority in companies				
3.2.21 · Brain drain	5.94	4.93	18	2022
Brain drain (well-educated and skilled people) does not hinder competitiveness in your economy				
3.2.22 · Foreign highly-skilled personnel	7.78	5.39	4	2022
Foreign highly-skilled personnel are attracted to your country's business environment				
3.2.23 · International experience	7.74	5.62	2	2022
International experience of senior managers is generally significant				
3.2.24 · Competent senior managers	6.62	5.45	13	2022
Competent senior managers are readily available				

3.3 · Finance

Value Average Rank Year

3.3.01 · Banking sector assets Percentage of GDP	148.60	157.54	26	2021
3.3.02 · Financial cards in circulation Number of cards per capita	-	3.45		
3.3.03 · Financial card transactions US\$ per capita	-	11,334		
3.3.04 · Access to financial services Proportion of adults with a bank account or mobile-money-service provider	-	82.66		
3.3.05 · Access to financial services - gender ratio Ratio of the female and male access to a bank account or mobile-money-service provider	-	0.96		
3.3.06 · Banking and financial services Banking and financial services do support business activities efficiently	7.50	6.24	8	2022
3.3.07 · Regulatory compliance (banking laws) Regulatory compliance is sufficiently developed	7.61	6.92	17	2022
3.3.08 · Stock markets Stock markets provide adequate financing to companies	6.67	5.83	21	2022
3.3.09 · Stock market capitalization (\$bn) US\$ billions	183.4	1,470.4	35	2021
3.3.10 · Stock market capitalization (%) Percentage of GDP	102.13	105.47	22	2021
3.3.11 · Value traded on stock markets US\$ per capita	8,178	23,478	23	2020
3.3.12 · Listed domestic companies Number of listed domestic companies	47	718	50	2020
3.3.13 · Stock market index Percentage change on index in national currency	14.30	26.39	49	2021
3.3.14 · Shareholders' rights Shareholders' rights are sufficiently implemented	7.75	6.91	14	2022
3.3.15 · Initial Public Offerings By acquiror nation (average 2019-2021) US\$ millions	131.9	4,258.5	40	2021
3.3.16 · Credit Credit is easily available for business	7.05	6.05	17	2022
3.3.17 · Venture capital Venture capital is easily available for business	6.48	5.34	12	2022
3.3.18 · M&A Activity Deals per listed company (average 2018-2020)	0.372	1.193	39	2020
3.3.19 · Corporate debt Corporate debt does not restrain the ability of enterprises to compete	5.45	5.83	39	2022

3.4 · Management Practices	Value	Average	Rank	Year
3.4.01 · Agility of companies Companies are agile	6.37	6.08	23	2022
3.4.02 · Changing market conditions Companies are generally extremely aware of changing market conditions	6.93	6.69	27	2022
3.4.03 · Opportunities and threats Companies are very good at responding quickly to opportunities and threats	6.96	6.29	11	2022
3.4.04 · Credibility of managers Credibility of managers in society is strong	7.12	6.15	10	2022
3.4.05 · Corporate boards Corporate boards do supervise the management of companies effectively	7.20	6.17	7	2022
3.4.06 · Auditing and accounting practices Auditing and accounting practices are adequately implemented in business	7.88	7.25	15	2022
3.4.07 · Use of big data and analytics Companies are very good at using big data and analytics to support decision-making	6.78	5.33	3	2022
3.4.08 · Customer satisfaction Customer satisfaction is emphasized in companies	7.86	6.95	4	2022
3.4.09 · Entrepreneurship Entrepreneurship of managers is widespread in business	7.12	6.07	3	2022
3.4.10 · Social responsibility Social responsibility of business leaders is high	6.83	6.16	15	2022
3.4.11 · Women in management Female share of senior and middle management (% of management)	15.09	31.46	54	2017
3.4.12 · Women on boards Boardmembers of all companies analyzed by MSCI	0.00	24.22	58	2021
3.4.13 · Entrepreneurial fear of failure % indicating that fear of failure would prevent them from setting up a business	38.18	42.81	14	2021
3.4.14 · Total early-stage Entrepreneurial Activity % who are either a nascent entrepreneur or owner-manager of a new business	15.87	12.11	13	2021

3.5 · Attitudes and Values	Value	Average	Rank	Year
3.5.01 · Attitudes toward globalization Attitudes toward globalization are generally positive in your society	7.07	6.47	17	2022
3.5.02 · Image abroad or branding The image abroad of your country encourages business development	8.10	6.44	8	2022
3.5.03 · National culture The national culture is open to foreign ideas	7.43	6.82	19	2022
3.5.04 · Flexibility and adaptability Flexibility and adaptability of people are high when faced with new challenges	7.39	6.63	13	2022
3.5.05 · Need for economic and social reforms The need for economic and social reforms is generally well understood	7.39	5.88	5	2022
3.5.06 · Digital transformation in companies Digital transformation in companies is generally well implemented	7.25	5.95	6	2022
3.5.07 · Value system The value system in your society supports competitiveness	7.50	6.23	6	2022

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Extended Country Profile

4 · Infrastructure

4.1 · Basic Infrastructure	Value	Average	Rank	Year
4.1.01 · Land area Square kilometers ('000)	11	1,207	58	2021
4.1.02 · Arable area Square meters per capita	61	2,704	60	2019
4.1.03 · Water resources Total internal renewable per capita in cubic meters	20	18,375	61	2018
4.1.04 · Access to water Access to water is adequately ensured and managed	8.87	7.90	21	2022
4.1.05 · Management of cities Management of cities supports business development	8.39	6.61	6	2022
4.1.06 · Population - market size Estimates in millions	2.75	81.51	55	2021
4.1.07 · Population - growth Percentage change	-3.02	0.30	61	2021
4.1.08 · Dependent Population Percentage of total population	17.2	33.6		2021
Population over 65 years	1.4	14.8		2021
Population under 15 years	15.9	18.7		2021
4.1.09 · Dependency ratio Population under 15 and over 64 years old, divided by active population (15 to 64 years)	20.8	51.2	2	2021
4.1.10 · Roads Density of the network, km roads/square km land area	0.91	1.39	29	2019
4.1.11 · Railroads Density of the network, km per square km	0.014	0.049	39	2020
4.1.12 · Air transportation Number of passengers carried by main companies, thousands	10,641	27,297	30	2020
4.1.13 · Quality of air transportation Quality of air transportation encourages business development	8.65	7.07	6	2022
4.1.14 · Distribution infrastructure The distribution infrastructure of goods and services is generally efficient	8.06	7.12	21	2022
4.1.15 · Energy infrastructure Energy infrastructure is adequate and efficient	8.75	6.81	5	2022
4.1.16 · Total indigenous energy production Millions MTOE	224.65	169.14	10	2019
4.1.17 · Total indigenous energy production (%) Percentage of total requirements in tons of oil equivalent	543.3	106.4	2	2019
4.1.18 · Total final energy consumption Millions MTOE	20.49	122.04	25	2019
4.1.19 · Total final energy consumption per capita MTOE per capita	7.32	2.46	62	2019
4.1.20 · Electricity costs for industrial clients US\$ per kwh	0.040	0.107	4	2019

4.2 · Technological Infrastructure

Value Average Rank Year

4.2.01 · Investment in Telecommunications Percentage of GDP	0.30	0.42	46	2021
4.2.02 · Mobile Broadband subscribers 4G & 5G market, % of mobile market	97.2	71.5	3	2020
4.2.03 · Mobile Telephone costs Monthly Blended Average Revenue per User	26.7	15.7	55	2020
4.2.04 · Communications technology Communications technology (voice and data) meets business requirements	8.50	7.67	16	2022
4.2.05 · Secure internet servers publicly-trusted TLS/SSL certificates, Netcraft Secure Server Survey.	433	36,109	54	2020
4.2.06 · Internet users Number of internet users per 1000 people	1,000	839	1	2021
4.2.07 · Broadband subscribers Number of subscriptions per 1000 inhabitants	157	381	55	2020
4.2.08 · Internet bandwidth speed Average speed	75.1	93.5	39	2021
4.2.09 · Digital/Technological skills Digital/Technological skills are readily available	7.96	6.79	11	2022
4.2.10 · Qualified engineers Qualified engineers are available in your labor market	7.27	6.35	14	2022
4.2.11 · Public-private partnerships Public and private sector ventures are supporting technological development	7.11	6.08	12	2022
4.2.12 · Development & application of tech. Development and application of technology are supported by the legal environment	7.74	6.46	11	2022
4.2.13 · Funding for technological development Funding for technological development is readily available	7.49	5.98	7	2022
4.2.14 · High-tech exports (\$) US\$ millions	466	47,160	54	2020
4.2.15 · High-tech exports (%) Percentage of manufactured exports	7.10	18.12	52	2020
4.2.16 · ICT service exports Percentage of service exports	4.3	9.7	47	2018
4.2.17 · Cyber security Cyber security is being adequately addressed by corporations	8.12	5.89	1	2022

4.3 · Scientific Infrastructure

Value Average Rank Year

4.3.01 · Total expenditure on R&D (\$) US\$ millions	974	31,953	45	2018
4.3.02 · Total expenditure on R&D (%) Percentage of GDP	0.53	1.63	49	2018
4.3.03 · Total expenditure on R&D per capita (\$) US\$ per capita	352.9	647.1	32	2018
4.3.04 · Business expenditure on R&D (\$) US\$ millions	118	24,238	53	2018
4.3.05 · Business expenditure on R&D (%) Percentage of GDP	0.06	1.11	54	2018
4.3.06 · Total R&D personnel Full-time work equivalent (FTE thousands)	3.3	233.3	51	2018
4.3.07 · Total R&D personnel per capita Full-time work equivalent (FTE) per 1000 people	1.21	5.37	45	2018
4.3.08 · Total R&D personnel in business enterprise Full-time work equivalent (FTE thousands)	0.5	183.3	55	2018
4.3.09 · Total R&D personnel in business per capita Full-time work equivalent (FTE) per 1000 people	0.17	3.31	53	2018
4.3.10 · Researchers in R&D per capita Full-time work equivalent (FTE) per 1000 people	0.6	3.6	47	2018
4.3.11 · Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences	24.23	24.75	32	2019
4.3.12 · Scientific articles Scientific articles published by origin of author	1,785	39,473	54	2019
4.3.13 · Nobel prizes Awarded in physics, chemistry, physiology or medicine and economics since 1950	0	9	28	2021
4.3.14 · Nobel prizes per capita Awarded in physics, chemistry, physiology or medicine and economics since 1950 per million people	0.00	0.19	28	2021
4.3.15 · Patent applications Number of applications filed by applicant's origin	210	52,962	58	2020
4.3.16 · Patent applications per capita Number of applications filed by applicant's origin, per 100,000 inhabitants	7.41	80.01	44	2020
4.3.17 · Patent grants Number of patents granted by applicant's origin (average 2018-2020)	66	25,007	57	2020
4.3.18 · Number of patents in force by applicant's origin, per 100,000 inhabitants	12.0	491.7	49	2020
4.3.19 · Medium- and high-tech value added Proportion of total manufacturing value added, expressed as a percentage	65.01	38.63	4	2019
4.3.20 · Scientific research legislation Laws relating to scientific research do encourage innovation	7.17	5.97	9	2022
4.3.21 · Intellectual property rights Intellectual property rights are adequately enforced	7.47	6.59	18	2022
4.3.22 · Knowledge transfer Knowledge transfer is highly developed between companies and universities	6.85	5.52	11	2022

4.4 · Health and Environment

Value Average Rank Year

4.4.01 · Total health expenditure Percentage of GDP	2.9	7.5	61	2019
4.4.02 · Total health expenditure per capita US\$ per capita	1,828	2,614	31	2019
4.4.03 · Public expenditure on health (%) Percentage of total health expenditure	72.76	65.44	23	2019
4.4.04 · Health infrastructure Health infrastructure meets the needs of society	8.28	5.97	6	2022
4.4.05 · Universal health coverage index Coverage index for essential health services (0-100)	74	78	42	2019
4.4.06 · Life expectancy at birth Average estimate	80.4	78.4	30	2020
4.4.07 · Healthy life expectancy Average estimate	69.2	68.3	31	2021
4.4.08 · Infant mortality Under five mortality rate per 1000 live births	5.8	7.9	37	2020
4.4.09 · Medical assistance Number of inhabitants per physician and per nurse			30	2021
Medical assistance / Per nurse	118.24	302.83		2021
Medical assistance / Per physician	344.55	533.91		2021
4.4.10 · Urban population Percentage of total population	99	77		2021
4.4.11 · Human development index Combines economic - social - educational indicators/ Source: Human Development Report	0.848	0.862	43	2019
4.4.12 · Energy intensity Total energy consumed for each 1000 US\$ of GDP in MTOE	106	102	37	2018
4.4.13 · Safely treated waste water Percentage of waste water	99.5	76.7	3	2020
4.4.14 · Water use efficiency US\$ per cubic meter	209.11	97.67	7	2019
4.4.15 · CO2 emissions Metric tons of carbon dioxide from fuel combustion	86.9	420.2	35	2019
4.4.16 · CO2 emissions intensity CO2 emissions from fuel combustion in metric tons per one million US\$ of GDP	494.1	354.2	51	2019
4.4.17 · Exposure to particle pollution Mean population exposure to PM2.5, Micrograms per cubic metre	77.11	20.45	62	2019
4.4.18 · Renewable energies (%) Share of renewables in total energy requirements, %	0.0	16.8	62	2019
4.4.19 · Forest area growth Five year percentage change of hectares	0.0	0.4	30	2020
4.4.20 · Total biocapacity Global hectares per capita of biologically productive space	0.92	3.26	46	2018
4.4.21 · Ecological footprint Global hectares per person	14.3	5.0	60	2018
4.4.22 · Ecological balance (reserve/deficit) Total biocapacity minus total footprint in global hectares per capita	-13.35	-1.73	60	2018
4.4.23 · Environment-related technologies Development of environment-related technologies, % inventions worldwide	0.01	1.60	49	2019
4.4.24 · Environmental agreements Multilateral agreements on hazardous waste, proportion fulfilled	84.07	83.34	38	2015
4.4.25 · Sustainable development Sustainable development is a priority in companies	7.73	6.21	9	2022
4.4.26 · Pollution problems Pollution problems do not seriously affect your economy	6.55	5.71	15	2022
4.4.27 · Environmental laws Environmental laws and compliance do not hinder the competitiveness of businesses	7.41	6.17	8	2022
4.4.28 · Quality of life Quality of life is high	8.22	6.76	15	2022

4.5 · Education

Value Average Rank Year

4.5.01 · Total public expenditure on education Percentage of GDP	3.2	5.0	56	2020
4.5.02 · Total public expenditure on education per capita US\$ per capita	1,648	1,562	21	2020
4.5.03 · Total public exp. on education per student Spending per enrolled pupil/student, all levels	13,783	6,944	7	2019
4.5.04 · Pupil-teacher ratio (primary education) Ratio of students to teaching staff	12.46	15.95	18	2020
4.5.05 · Pupil-teacher ratio (secondary education) Ratio of students to teaching staff	11.51	13.74	26	2020
4.5.06 · Secondary school enrollment Percentage of relevant age group receiving full-time education	94.9	92.7	33	2019
4.5.07 · Higher education achievement Percentage of population that has attained at least tertiary education for persons 25-34	26.9	44.2	53	2020
4.5.08 · Women with degrees Share of women who have a degree in the population 25-65	-	39.7		
4.5.09 · Student mobility inbound Foreign tertiary-level students per 1000 inhabitants	4.41	4.01	18	2019
4.5.10 · Student mobility outbound National tertiary-level students studying abroad per 1000 inhabitants	3.05	2.62	16	2019
4.5.11 · Educational assessment - PISA PISA survey of 15-year olds	413	471	48	2018
Educational assessment - PISA / Mathematics	414	472		2018
Educational assessment - PISA / Reading	407	468		2018
Educational assessment - PISA / Sciences	419	472		2018
4.5.12 · Students who are not low achievers - PISA % of students who are not low achievers in maths, sciences and reading	35.6	58.5	46	2018
4.5.13 · English proficiency - TOEFL TOEFL scores	79	92	61	2020
4.5.14 · Primary and secondary education Primary and secondary education meets the needs of a competitive economy	7.86	6.10	10	2022
4.5.15 · University education University education meets the needs of a competitive economy	7.90	6.40	11	2022
4.5.16 · Management education Management education meets the needs of the business community	7.65	6.34	9	2022
4.5.17 · University education index Country score calculated from Times Higher Education university ranking	3.30	14.07	44	2021
4.5.18 · Illiteracy Adult (over 15 years) illiteracy rate as a percentage of population	6.5	2.4	59	2017
4.5.19 · Language skills Language skills are meeting the needs of enterprises	7.90	6.41	15	2022

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