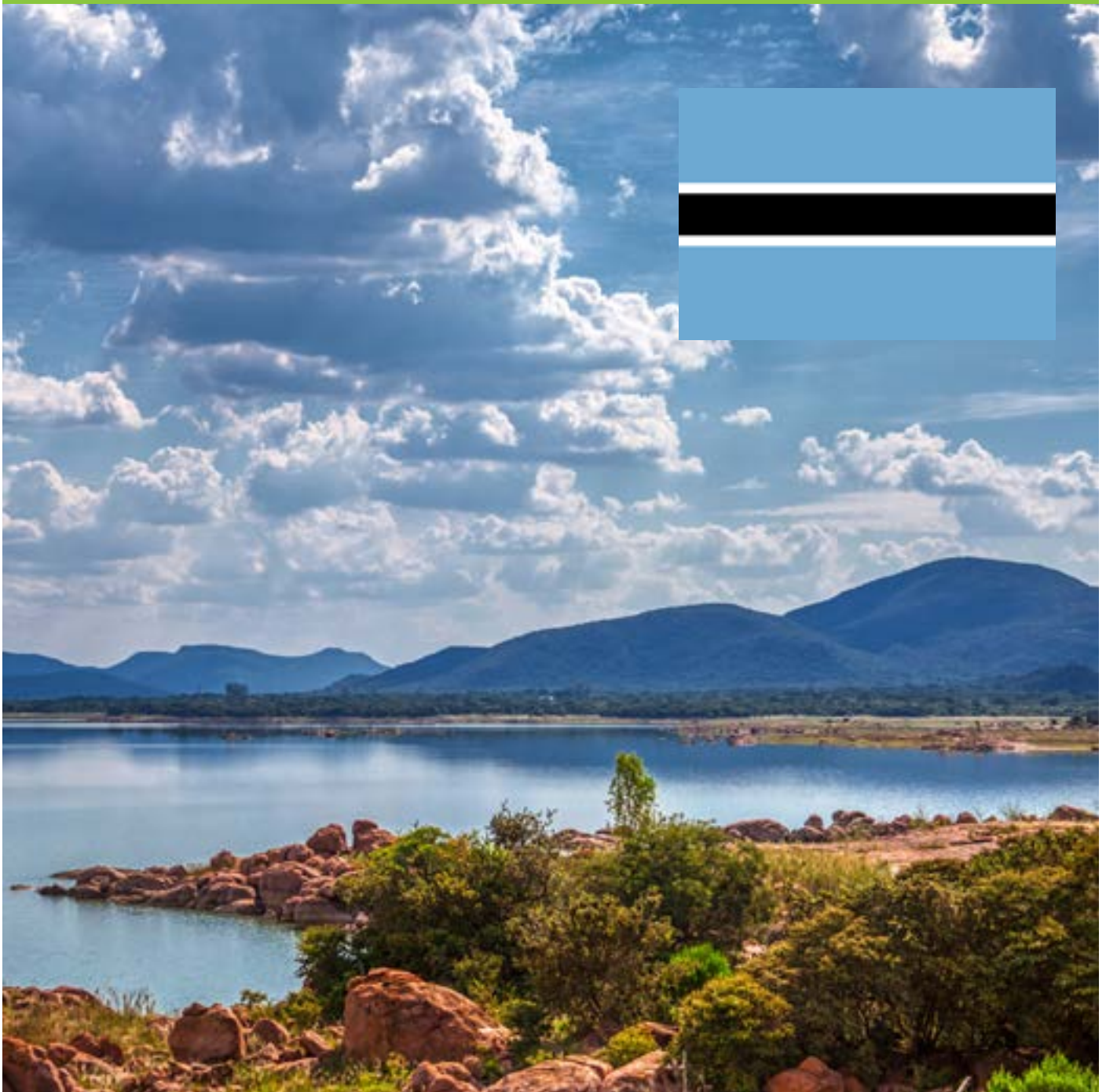




IMD World Competitiveness Yearbook 2022

COUNTRY  
PROFILE

**BOTSWANA**



# Botswana

## Competitiveness Trends – Overall

### OVERALL PERFORMANCE (63 countries)



### CHALLENGES IN 2022

- High Income inequality.
- High youth unemployment.
- Limited access to financing.
- Declining revenue from minerals.
- Slow economic diversification.

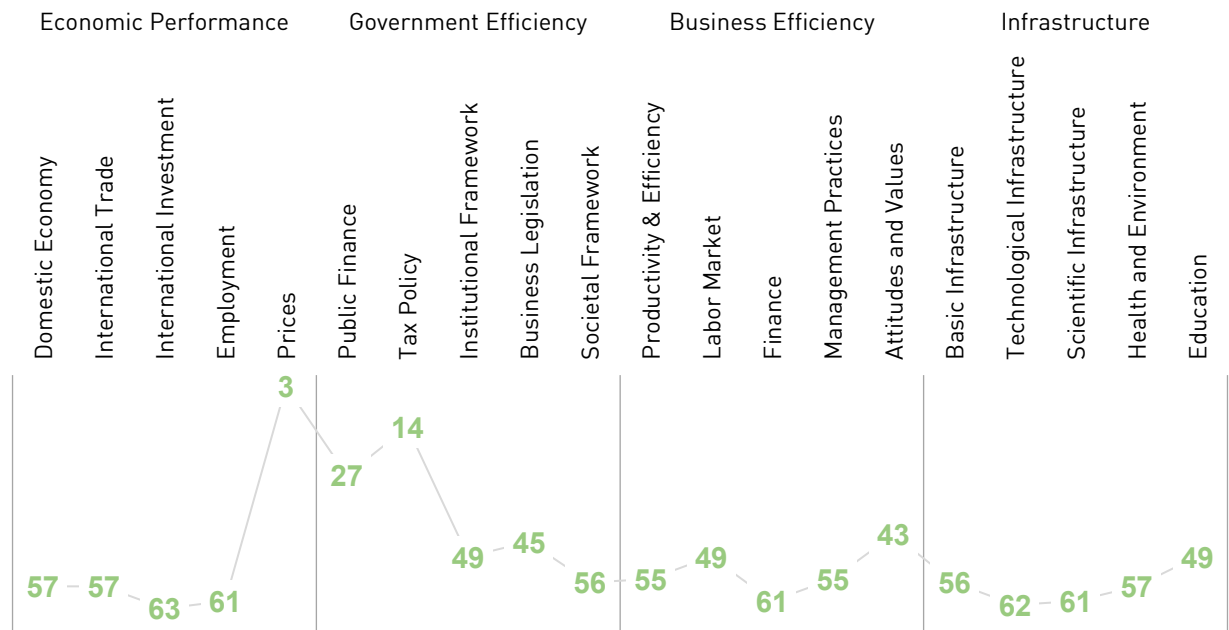
### BASIC FACTS

Rank

Capital	Gaborone	
Land area (square km '000)	582	2021
Exchange Rate (per \$)	11.087	2021
Population - market size (millions)	2.42	2021
Gross Domestic Product (GDP) (US\$ billions)	17.1	2021
GDP (PPP) per capita (US\$)	17,620	2021
Real GDP growth (%)	9.7	2021
Consumer price inflation (%)	6.68	2021
Unemployment rate (%)	24.50	2020
Labor force (millions)	0.97	2021
Current account balance (% of GDP)	-0.48	2021
Direct investment stocks inward (\$bn)	5.5	2020
Direct investment flows inward (% of GDP)	0.53	2020

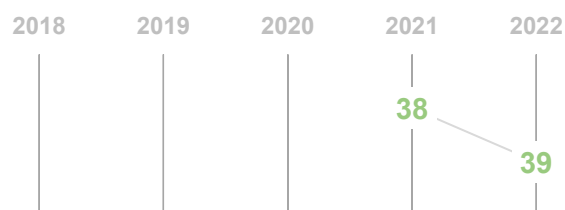
PROVIDED BY: Botswana National Productivity Centre (BNPC)

### COMPETITIVENESS LANDSCAPE



### PEER GROUPS RANKINGS

#### EUROPE - MIDDLE EAST - AFRICA (40 countries)



#### POPULATIONS < 20 MILLION (36 countries)



# Botswana

## Competitiveness Evolution & Attractiveness Indicators

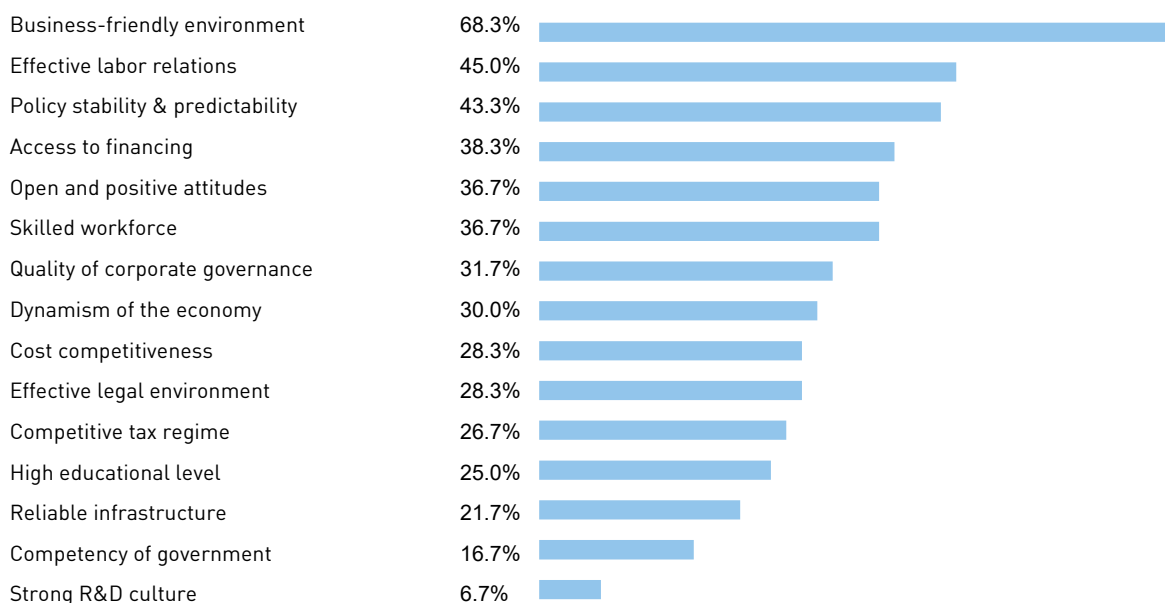
### COMPETITIVENESS EVOLUTION

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.

IMPROVEMENTS	WCY 2021	WCY 2022	DECLINES	WCY 2021	WCY 2022
4.1.07 Population - growth	-0.10	1.90	1.5.01 Consumer price inflation	1.99	6.68
1.1.14 Real GDP growth	-7.4	9.7	4.3.18 Number of patents in force	1.1	0.1
1.1.15 Real GDP growth per capita	-6.69	7.67	2.4.12 New business density	20.1	12.2
1.1.18 Gross fixed capital formation - real growth	-8.03	1.34	1.5.04 Office rent	248	310
4.3.16 Patent applications per capita	0.13	0.25	2.2.08 Consumption tax rate	12.00	14.00
1.2.02 Current account balance	-10.37	-0.48	1.4.09 Youth unemployment	35.56	41.20
3.5.06 Digital transformation in companies	2.74	4.83	4.5.04 Pupil-teacher ratio (primary education)	22.47	25.63
4.2.13 Funding for technological development	2.76	4.77	2.1.08 Tax evasion	4.39	3.84
4.3.21 Intellectual property rights	3.32	5.63	1.4.10 Youth exclusion	35.1	39.3
4.2.04 Communications technology	3.77	6.39	1.1.19 Resilience of the economy	5.22	4.59
1.2.08 Exports of goods (\$bn)	4.22	7.10	4.4.05 Universal health coverage index	61	54
3.3.16 Credit	2.83	4.69	1.1.09 Gross fixed capital formation (%)	31.7	28.2
2.1.02 Government budget surplus/deficit (%)	-13.72	-5.05	2.2.01 Collected total tax revenues	26.82	29.59
4.2.12 Development & application of tech.	3.58	5.73	1.3.13 Relocation threats of business	5.22	4.72
1.2.09 Exports of goods (%)	26.59	41.41	2.1.04 Total general government debt (%)	20.77	22.66

### 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.



# Botswana

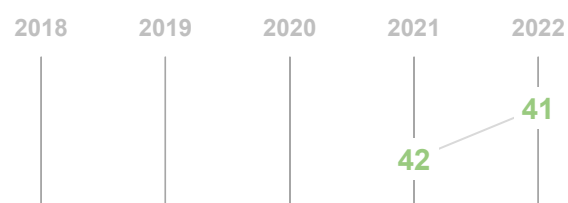
## Competitiveness Trends – Factor Breakdown

### ECONOMIC PERFORMANCE



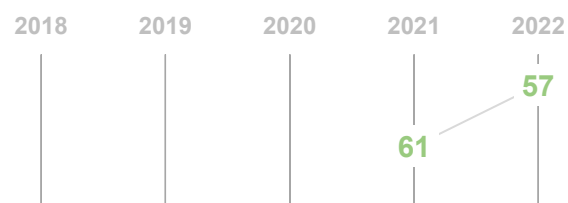
SUB-FACTOR RANKINGS :	2021	2022
Domestic Economy	59	57
International Trade	63	57
International Investment	64	63
Employment	62	61
Prices	01	03

### GOVERNMENT EFFICIENCY



SUB-FACTOR RANKINGS :	2021	2022
Public Finance	29	27
Tax Policy	09	14
Institutional Framework	48	49
Business Legislation	51	45
Societal Framework	60	56

### BUSINESS EFFICIENCY



SUB-FACTOR RANKINGS :	2021	2022
Productivity & Efficiency	60	55
Labor Market	58	49
Finance	55	61
Management Practices	60	55
Attitudes and Values	60	43

### INFRASTRUCTURE



SUB-FACTOR RANKINGS :	2021	2022
Basic Infrastructure	63	56
Technological Infrastructure	64	62
Scientific Infrastructure	64	61
Health and Environment	58	57
Education	52	49

# Botswana

## Balance Sheet – Factor Breakdown

### ECONOMIC PERFORMANCE

STRENGTHS		Rank	WEAKNESSES		Rank
1.5.02	Cost-of-living index	01	1.2.18	Export concentration by product	63
1.2.25	Tourism receipts	05	1.2.12	Exports of commercial services (\$bn)	63
1.1.14	Real GDP growth	08	1.3.07	Direct investment stocks inward (\$bn)	63
1.1.09	Gross fixed capital formation (%)	09	1.4.10	Youth exclusion	62
1.5.06	Gasoline prices	10	1.4.07	Unemployment rate	61
1.5.04	Office rent	15	1.3.03	Direct investment stocks abroad (\$bn)	61
1.1.15	Real GDP growth per capita	15	1.4.02	Employment (%)	61
1.2.09	Exports of goods (%)	23	1.2.17	Export concentration by partner	60
1.3.02	Direct investment flows abroad (% of GDP)	50	1.2.08	Exports of goods (\$bn)	60
		-	1.4.09	Youth unemployment	60

### GOVERNMENT EFFICIENCY

STRENGTHS		Rank	WEAKNESSES		Rank
2.2.09	Employer social security tax rate	01	2.4.14	Start-up days	62
2.2.10	Employee social security tax rate	01	2.5.06	Gini coefficient	61
2.4.07	Government subsidies	02	2.3.15	Sustainable Development Goals	59
2.1.04	Total general government debt (%)	03	2.5.02	Homicide	57
2.4.01	Tariff barriers	06	2.4.15	Start-up procedures	55
2.4.12	New business density	08	2.4.09	State ownership of enterprises	55
2.4.16	Labor regulations	14	2.3.13	Bribery and corruption	54
2.2.11	Real personal taxes	18	2.5.09	Income distribution - lowest 40%	53
2.2.08	Consumption tax rate	20	2.3.02	Cost of capital	53
2.5.13	Unemployment rate - gender ratio	23	2.4.04	Foreign investors	52

### BUSINESS EFFICIENCY

STRENGTHS		Rank	WEAKNESSES		Rank
3.4.11	Women in management	01	3.2.07	Worker motivation	63
3.2.16	Female labor force	01	3.1.10	Use of digital tools and technologies	62
3.2.01	Compensation levels	04	3.4.03	Opportunities and threats	61
3.2.03	Remuneration in services professions	07	3.4.01	Agility of companies	60
3.2.06	Working hours	12	3.5.04	Flexibility and adaptability	59
3.2.21	Brain drain	17	3.4.08	Customer satisfaction	58
3.2.22	Foreign highly-skilled personnel	21	3.2.20	Attracting and retaining talents	58
3.5.02	Image abroad or branding	27	3.2.12	Labor force (%)	58
		-	3.5.06	Digital transformation in companies	58
		-	3.2.10	Employee training	57

### INFRASTRUCTURE

STRENGTHS		Rank	WEAKNESSES		Rank
4.5.01	Total public expenditure on education	01	4.3.18	Number of patents in force	63
4.1.07	Population - growth	04	4.2.08	Internet bandwidth speed	63
4.2.03	Mobile Telephone costs	08	4.2.02	Mobile Broadband subscribers	62
4.4.18	Renewable energies (%)	22	4.4.06	Life expectancy at birth	62
4.4.14	Water use efficiency	24	4.3.19	Medium- and high-tech value added	62
4.1.20	Electricity costs for industrial clients	25	4.3.16	Patent applications per capita	62
4.5.05	Pupil-teacher ratio (secondary education)	28	4.2.15	High-tech exports (%)	62
		-	4.4.24	Environmental agreements	61
		-	4.4.05	Universal health coverage index	61
		-	4.5.07	Higher education achievement	61

# BOTSWANA

## Extended Country Profile

### 1 - Economic Performance

#### 1.1 - Domestic Economy

	Value	Average	Rank	Year
1.1.00 - Exchange Rate National currency per US\$ (average)	11.087	21,532.090		2021
1.1.01 - Gross Domestic Product (GDP) US\$ billions	17.1	1,394.4	62	2021
1.1.02 - GDP (PPP) Estimates ; US\$ billions at purchasing power parity	42.6	1,981.9	61	2021
1.1.03 - World GDP contribution Percentage share of world GDP in market prices	0.02	1.44	62	2021
1.1.04 - Household consumption expenditure (\$bn) US\$ billions	8.0	735.2	62	2021
1.1.05 - Household consumption expenditure (%) Percentage of GDP	46.6	53.4	47	2021
1.1.06 - Government consumption expenditure (\$bn) US\$ billions	5.8	232.9	61	2021
1.1.07 - Government consumption expenditure (%) Percentage of GDP	33.9	18.3	1	2021
1.1.08 - Gross fixed capital formation (\$bn) US\$ billions	4.8	351.9	61	2021
1.1.09 - Gross fixed capital formation (%) Percentage of GDP	28.2	22.7	9	2021
1.1.10 - Gross domestic savings (\$bn) US\$ billions	3.3	379.1	61	2021
1.1.11 - Gross domestic savings (%) Percentage of GDP	19.4	28.3	53	2021
1.1.12 - Economic sectors Breakdown of the economic sectors, percentage of GDP				2020
Economic sectors / Agriculture	2.1	3.7		2020
Economic sectors / Industry	25.1	29.1		2020
Economic sectors / Services	63.0	67.0		2020
1.1.13 - Economic complexity index Measures knowledge intensity, by considering exports	-0.36	0.86	58	2019
1.1.14 - Real GDP growth Percentage change, based on national currency in constant prices	9.7	5.6	8	2021
1.1.15 - Real GDP growth per capita Percentage change, based on national currency in constant prices	7.67	5.35	15	2021
1.1.16 - Household consumption expenditure - real growth Percentage change, based on constant prices	2.38	4.78	46	2021
1.1.17 - Government consumption expenditure - real growth Percentage change, based on constant prices	3.11	4.01	37	2021
1.1.18 - Gross fixed capital formation - real growth Percentage change, based on constant prices	1.34	6.32	48	2021
1.1.19 - Resilience of the economy Resilience of the economy to economic cycles is strong	4.59	5.88	50	2022
1.1.20 - GDP per capita US\$ per capita	7,081	34,279	54	2021
1.1.21 - GDP (PPP) per capita Estimates; US\$ per capita at purchasing power parity	17,620	44,580	53	2021
1.1.22 - Forecast: Real GDP growth Percentage change, based on national currency in constant prices	4.3	3.7	20	2022
1.1.23 - Forecast: Inflation Percentage change	7.0	38.4	47	2022
1.1.24 - Forecast: Unemployment Percentage of total labor force	-	6.3		
1.1.25 - Forecast: Current account balance Percentage of GDP	0.5	1.7	31	2022

## 1.2 · International Trade

Value Average Rank Year

1.2.01 · Current account balance (\$bn) US\$ billions (minus sign = deficit)	-0.1	10.4	32	2021
1.2.02 · Current account balance Percentage of GDP	-0.48	1.64	34	2021
1.2.03 · Balance of trade (\$bn) US\$ billions (minus sign = deficit)	-1.2	-2.5	35	2021
1.2.04 · Balance of trade (%) Percentage of GDP	-7.08	0.27	51	2021
1.2.05 · Balance of commercial services (\$bn) US\$ billions (minus sign = deficit)	-0.45	8.39	36	2021
1.2.06 · Balance of commercial services (%) Percentage of GDP	-2.63	1.84	56	2021
1.2.07 · World exports contribution Percentage share of world exports (goods and commercial services)	0.03	1.45	63	2021
1.2.08 · Exports of goods (\$bn) US\$ billions	7.10	321.20	60	2021
1.2.09 · Exports of goods (%) Percentage of GDP	41.41	41.98	23	2021
1.2.10 · Exports of goods per capita US\$ per capita	2,932	15,049	50	2021
1.2.11 · Exports of goods - growth Percentage change, based on US\$ values	66.47	27.30	3	2021
1.2.12 · Exports of commercial services (\$bn) US\$ billions	0.66	88.34	63	2021
1.2.13 · Exports of commercial services (%) Percentage of GDP	3.84	15.10	48	2021
1.2.14 · Exports of commercial services - growth Percentage change, based on US\$ values	45.90	17.14	6	2021
1.2.15 · Exports of goods & commercial services US\$ billions	7.75	408.43	63	2021
1.2.16 · Exports breakdown by economic sector Percentage of total exports				2020
Exports breakdown by economic sector / Agriculture	1.9	11.3		2020
Exports breakdown by economic sector / Industry	88.6	64.4		2020
Exports breakdown by economic sector / Services	9.6	24.3		2020
1.2.17 · Export concentration by partner Exports to top 5 countries, percentage of total exports	81.2	55.0	60	2020
1.2.18 · Export concentration by product Top 5 products, percentage of total exports	93.7	57.6	63	2020
1.2.19 · Imports of goods & commercial services (\$bn) US\$ billions	9.4	402.5	2	2021
1.2.20 · Imports of goods & commercial services (%) Percentage of GDP	55.0	54.7	38	2021
1.2.21 · Imports of goods & commerc. services growth Percentage change, based on US\$ values	25.01	24.33	32	2021
1.2.22 · Imports breakdown by economic sector Percentage of total imports				2020
Imports breakdown by economic sector / Agriculture	11.6	9.0		2020
Imports breakdown by economic sector / Industry	74.9	67.7		2020
Imports breakdown by economic sector / Services	13.5	23.3		2020
1.2.23 · Trade to GDP ratio (Exports + Imports) / GDP	81.78	102.61	30	2020
1.2.24 · Terms of trade index Unit value of exports over unit value of imports	94.2	99.4	53	2020
1.2.25 · Tourism receipts International tourism receipts as a percentage of GDP	3.39	1.54	5	2018



### 1.3 · International Investment

Value Average Rank Year

1.3.01 · Direct investment flows abroad (\$bn) US\$ billions	-0.02	14.96	49	2020
1.3.02 · Direct investment flows abroad (% of GDP) Percentage of GDP	-0.11	4.62	50	2020
1.3.03 · Direct investment stocks abroad (\$bn) US\$ billions	1.0	612.1	61	2020
1.3.04 · Direct investment stocks abroad (% of GDP) Percentage of GDP	6.37	109.57	55	2020
1.3.05 · Direct investment flows inward (\$bn) US\$ billions	0.08	16.61	51	2020
1.3.06 · Direct investment flows inward (% of GDP) Percentage of GDP	0.53	4.86	49	2020
1.3.07 · Direct investment stocks inward (\$bn) US\$ billions	5.5	613.9	63	2020
1.3.08 · Direct investment stocks inward (% of GDP) Percentage of GDP	36.42	122.21	47	2020
1.3.09 · Balance of direct investment flows (\$bn) US\$ billions (flows abroad minus flows inward)	-0.10	-1.64	22	2020
1.3.10 · Balance of direct investment flows (%) Percentage of GDP (flows abroad minus flows inward)	-0.65	-0.24	30	2020
1.3.11 · Net position in direct investment stocks (\$bn) US\$ billions (stocks abroad minus stocks inward)	-4.5	-1.8	25	2020
1.3.12 · Net position in direct investment stocks (%) Percentage of GDP (stocks abroad minus stocks inward)	-30.05	-12.64	41	2020
1.3.13 · Relocation threats of business Relocation of business is not a threat to the future of your economy	4.72	5.36	54	2022
1.3.14 · Portfolio investment assets US\$ billions	0.96	38.51	46	2020
1.3.15 · Portfolio investment liabilities US\$ billions	-0.02	34.92	46	2020

### 1.4 · Employment

Value Average Rank Year

1.4.01 · Employment Total employment in millions	0.73	38.16	58	2020
1.4.02 · Employment (%) Percentage of population	30.90	47.14	61	2020
1.4.03 · Employment - growth Estimates: percentage change	-1.15	1.54	55	2020
1.4.04 · Employment - long-term growth Estimates: five year percentage change	-	-0.41		
1.4.05 · Employment by sector Percentage of total employment				2020
Employment by sector / Agriculture	8.2	7.7		2020
Employment by sector / Industry	16.4	23.5		2020
Employment by sector / Services	75.4	68.8		2020
1.4.06 · Employment in the public sector Percentage of total employment	20.76	17.83	39	2020
1.4.07 · Unemployment rate Percentage of labor force	24.50	8.00	61	2020
1.4.08 · Long-term unemployment Percentage of labor force	5.18	2.81	54	2019
1.4.09 · Youth unemployment Percentage of youth labor force (under the age of 25)	41.20	17.13	60	2021
1.4.10 · Youth exclusion Share of youth population (15-24) not in education, employment or training	39.3	14.6	62	2020



## 1.5 · Prices

Value Average Rank Year

<b>1.5.01 · Consumer price inflation</b>	6.68	29.25	57	2021
Average annual rate				
<b>1.5.02 · Cost-of-living index</b>	46.10	78.37	1	2021
Index of a basket of goods & services in the main city, including housing (New York City = 100)				
<b>1.5.03 · Apartment rent</b>	-	1,530		
3-room apartment monthly rent in major cities, US\$				
<b>1.5.04 · Office rent</b>	310	656	15	2021
Total occupation cost in the main city (US\$/Sq.M. per year)				
<b>1.5.05 · Food costs</b>	-	17.58		
Percentage of household final consumption expenditures				
<b>1.5.06 · Gasoline prices</b>	0.68	1.26	10	2020
Premium unleaded gasoline (95 Ron) US\$ per litre				

# BOTSWANA

## Extended Country Profile

### 2 · Government Efficiency

#### 2.1 · Public Finance

	Value	Average	Rank	Year
2.1.01 · Government budget surplus/deficit (\$bn) US\$ billions	-0.87	-91.93	13	2021
2.1.02 · Government budget surplus/deficit (%) Percentage of GDP	-5.05	-4.00	36	2021
2.1.03 · Total general government debt (\$bn) US\$ billions	3.88	1,436.31	1	2021
2.1.04 · Total general government debt (%) Percentage of GDP	22.66	71.59	3	2021
2.1.05 · Total general government debt-real growth Percentage change, based on national currency in constant prices	19.71	8.58	57	2021
2.1.06 · Interest payment (%) Percentage of current revenue	2.57	5.98	19	2020
2.1.07 · Public finances Public finances are being efficiently managed	3.70	4.92	50	2022
2.1.08 · Tax evasion Tax evasion is not a threat to your economy	3.84	5.05	49	2022
2.1.09 · Pension funding Pension funding is adequately addressed for the future	5.07	4.77	25	2022
2.1.10 · General government expenditure Percentage of GDP	37.9	38.2	28	2021

#### 2.2 · Tax Policy

	Value	Average	Rank	Year
2.2.01 · Collected total tax revenues Percentage of GDP	29.59	27.09	31	2018
2.2.02 · Collected personal income tax On profits, income and capital gains, as a percentage of GDP	5.89	6.00	34	2020
2.2.03 · Collected corporate taxes On profits, income and capital gains, as a percentage of GDP	1.93	2.70	12	2020
2.2.04 · Collected indirect tax revenues Taxes on goods and services as a percentage of GDP	4.80	9.41	10	2020
2.2.05 · Collected capital and property taxes Percentage of GDP	0.03	1.47	5	2020
2.2.06 · Collected social security contribution Compulsory contribution of employees and employers as a percentage of GDP	-	7.28		
2.2.07 · Corporate tax rate on profit Maximum tax rate, calculated on profit before tax	22.00	22.34	29	2021
2.2.08 · Consumption tax rate Standard rate of VAT/GST	14.00	16.37	20	2021
2.2.09 · Employer social security tax rate %	0.0	16.0	1	2021
2.2.10 · Employee social security tax rate %	0.0	10.4	1	2021
2.2.11 · Real personal taxes Real personal taxes do not discourage people from working or seeking advancement	5.97	5.12	18	2022

## 2.3 · Institutional Framework

Value Average Rank Year

2.3.01 · Real short-term interest rate Real discount / bank rate	-2.74	-3.07	22	2021
2.3.02 · Cost of capital Cost of capital encourages business development	4.24	5.63	53	2022
2.3.03 · Interest rate spread Lending rate minus deposit rate	3.82	3.49	47	2021
2.3.04 · Country credit rating Index (0-60) of three country credit ratings: Fitch, Moody's and S&P	40.0	43.0	39	2021
2.3.05 · Central bank policy Central bank policy has a positive impact on the economy	6.49	6.31	34	2022
2.3.06 · Foreign currency reserves US\$ billions	4.80	216.77	56	2021
2.3.07 · Foreign currency reserves per capita US\$ per capita	1,984	9,199	43	2021
2.3.08 · Exchange rate stability Parity change from national currency to SDR, 2021 / 2019	0.063	0.072	47	2021
2.3.09 · Legal and regulatory framework The legal and regulatory framework encourages the competitiveness of enterprises	5.86	5.37	28	2022
2.3.10 · Adaptability of government policy Adaptability of government policy to changes in the economy is high	3.79	4.83	48	2022
2.3.11 · Transparency Transparency of government policy is satisfactory	3.97	4.87	47	2022
2.3.12 · Bureaucracy Bureaucracy does not hinder business activity	3.53	3.72	36	2022
2.3.13 · Bribery and corruption Bribery and corruption do not exist	2.16	4.77	54	2022
2.3.14 · Rule of law Rule of Law Index	65.87	72.47	41	2020
2.3.15 · Sustainable Development Goals Country performance on the 17 SDGs	61.9	75.1	59	2021
2.3.16 · Democracy Index EIU Overall Democracy Index, © The Economist Intelligence Unit Limited 2021	7.73	6.97	27	2021

## 2.4 · Business Legislation

Value Average Rank Year

<b>2.4.01 · Tariff barriers</b>	0.80	2.32	6	2020
Tariffs on imports: Applied weighted mean tariff rate for all products				
<b>2.4.02 · Protectionism</b>	4.39	5.74	51	2022
Protectionism of your government does not impair the conduct of your business				
<b>2.4.03 · Public sector contracts</b>	4.92	5.96	48	2022
Public sector contracts are sufficiently open to foreign bidders				
<b>2.4.04 · Foreign investors</b>	5.67	6.82	52	2022
Foreign investors are free to acquire control in domestic companies				
<b>2.4.05 · Capital markets</b>	5.34	6.57	49	2022
Capital markets (foreign and domestic) are easily accessible				
<b>2.4.06 · Investment incentives</b>	5.41	5.93	46	2022
Investment incentives are attractive to foreign investors				
<b>2.4.07 · Government subsidies</b>	0.18	2.02	2	2020
To private and public companies as a percentage of GDP				
<b>2.4.08 · Subsidies</b>	5.61	5.52	31	2022
Subsidies do not distort fair competition and economic development				
<b>2.4.09 · State ownership of enterprises</b>	4.52	6.04	55	2022
State ownership of enterprises is not a threat to business activities				
<b>2.4.10 · Competition legislation</b>	4.95	5.84	47	2022
Competition legislation is efficient in preventing unfair competition				
<b>2.4.11 · Parallel economy</b>	4.23	5.14	43	2022
Parallel (black-market, unrecorded) economy does not impair economic development				
<b>2.4.12 · New business density</b>	12.2	5.8	8	2019
Registered new businesses per 1'000 people aged 15-64				
<b>2.4.13 · Creation of firms</b>	6.70	6.63	34	2022
Creation of firms is supported by legislation				
<b>2.4.14 · Start-up days</b>	48.0	15.1	62	2019
Number of days to start a business				
<b>2.4.15 · Start-up procedures</b>	9.0	6.0	55	2019
Number of procedures to start a business				
<b>2.4.16 · Labor regulations</b>	6.59	5.50	14	2022
Labor regulations (hiring/firing practices, minimum wages, etc.) do not hinder business activities				
<b>2.4.17 · Unemployment legislation</b>	3.73	4.99	51	2022
Unemployment legislation provides an incentive to look for work				
<b>2.4.18 · Immigration laws</b>	5.34	5.83	45	2022
Immigration laws do not prevent your company from employing foreign labor				
<b>2.4.19 · Redundancy costs</b>	16.8	9.4	51	2019
Number of weeks of salary				

## 2.5 · Societal Framework

Value Average Rank Year

<b>2.5.01 · Justice</b> Justice is fairly administered	5.87	5.72	33	2022
<b>2.5.02 · Homicide</b> Intentional homicide, rate per 100'000 population	17.56	4.28	57	2018
<b>2.5.03 · Ageing of population</b> Population over 65, percentage of total population	4.7	14.8	7	2021
<b>2.5.04 · Risk of political instability</b> The risk of political instability is very low	5.34	5.80	39	2022
<b>2.5.05 · Social cohesion</b> Social cohesion is high	5.54	5.68	35	2022
<b>2.5.06 · Gini coefficient</b> Equal distribution of income scale: 0 (absolute equality) to 100 (absolute inequality)	53.30	35.03	61	2016
<b>2.5.07 · Income distribution - lowest 10%</b> Percentage of household incomes going to lowest 10% of households	1.50	2.75		2015
<b>2.5.08 · Income distribution - highest 10%</b> Percentage of household incomes going to highest 10% of households	41.50	26.98		2015
<b>2.5.09 · Income distribution - lowest 40%</b> Percentile going to the lowest 40% of households	10.90	18.99	53	2015
<b>2.5.10 · Income distribution - lowest 40% growth</b> Percentile going to the lowest 40% of households - growth	-	0.34		
<b>2.5.11 · Equal opportunity</b> Equal opportunity legislation in your economy encourages economic development	5.87	6.17	43	2022
<b>2.5.12 · Females in parliament</b> Percentage of total seats in Parliament	10.77	29.11	61	2021
<b>2.5.13 · Unemployment rate - gender ratio</b> Ratio of the female and male unemployment rates	0.99	1.25	23	2018
<b>2.5.14 · Gender inequality</b> Gender Inequality Index (UNDP)	0.465	0.183	60	2019
<b>2.5.15 · Disposable Income</b> Female / male ratio	-	72.2		
<b>2.5.16 · Freedom of the Press</b> Reporters Without Borders: World Press Freedom Score	23.25	27.85	29	2021

# BOTSWANA

## Extended Country Profile

### 3 · Business Efficiency

#### 3.1 · Productivity & Efficiency

	Value	Average	Rank	Year
<b>3.1.01 · Overall productivity (PPP)</b> Estimates: GDP (PPP) per person employed, US\$	35,481	84,576	55	2021
<b>3.1.02 · Overall productivity (PPP) - real growth</b> Estimates: Percentage change of GDP (PPP) per person employed	5.56	2.84	12	2021
<b>3.1.03 · Labor productivity (PPP)</b> Estimates: GDP (PPP) per person employed per hour, US\$	16.31	48.28	55	2021
<b>3.1.04 · Agricultural productivity (PPP)</b> Estimates: Related GDP (PPP) per person employed in agriculture, US\$	12,853	55,834	54	2020
<b>3.1.05 · Productivity in industry (PPP)</b> Estimates: Related GDP (PPP) per person employed in industry, US\$	76,049	107,180	41	2020
<b>3.1.06 · Productivity in services (PPP)</b> Estimates: Related GDP (PPP) per person employed in services, US\$	41,416	86,235	54	2020
<b>3.1.07 · Workforce productivity</b> Workforce productivity is competitive by international standards	4.75	6.15	54	2022
<b>3.1.08 · Large corporations</b> Large corporations are efficient by international standards	5.64	6.67	55	2022
<b>3.1.09 · Small and medium-size enterprises</b> Small and medium-size enterprises are efficient by international standards	4.59	6.12	55	2022
<b>3.1.10 · Use of digital tools and technologies</b> Companies are very good at using digital tools and technologies to improve performance	4.92	6.29	62	2022

3.2.01 · Compensation levels	2.29	15.09	4	2021
Total hourly compensation in manufacturing (wages + supplementary benefits), US\$				
3.2.02 · Unit labor costs for total economy	-0.01	1.59	10	2018
Percentage change				
3.2.03 · Remuneration in services professions	10,680	28,619	7	2018
Gross annual income including supplements such as bonuses, US\$				
Remuneration in services professions / Call center agent	8,694	19,099		2018
Remuneration in services professions / Nurse	12,168	30,277		2018
Remuneration in services professions / Primary school	13,410	30,970		2018
Remuneration in services professions / Product Manager	10,440	49,302		2018
Remuneration in services professions / Sales Assistant	5,958	19,165		2018
Remuneration in services professions / Secretary / Personal	13,410	22,903		2018
3.2.04 · Remuneration of management	-	169,169		
Total base salary plus bonuses and long-term incentives, US\$				
Remuneration of management / CEO	-	306,535		
Remuneration of management / Director manufacturing	-	149,356		
Remuneration of management / Engineer	-	80,327		
Remuneration of management / Human resources director	-	140,455		
3.2.05 · Remuneration spread	-	17.99		
Ratio of CEO to personal assistant remuneration				
3.2.06 · Working hours	2,175	1,843	12	2021
Average number of working hours per year				
3.2.07 · Worker motivation	3.83	5.87	63	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	4.17	5.20	51	2022
Apprenticeships are sufficiently implemented				
3.2.10 · Employee training	4.62	6.03	57	2022
Employee training is a high priority in companies				
3.2.11 · Labor force	0.97	40.47	57	2021
Employed and registered unemployed (millions)				
3.2.12 · Labor force (%)	40.07	50.09	58	2021
Percentage of population				
3.2.13 · Labor force growth	-0.30	1.18	45	2021
Percentage change				
3.2.14 · Labor force - long-term growth	-	-0.67		
Estimates: five year percentage change				
3.2.15 · Part-time employment	-	15.19		
Percentage of total employment				
3.2.16 · Female labor force	51.70	42.68	1	2021
Percentage of total labor force				
3.2.17 · Foreign labor force - migrant stock	7.06	17.76	41	2020
Migrant stock, age 20-64, % of population				
3.2.18 · Skilled labor	4.92	5.21	38	2022
Skilled labor is readily available				
3.2.19 · Finance skills	4.72	6.07	57	2022
Finance skills are readily available				
3.2.20 · Attracting and retaining talents	5.38	6.82	58	2022
Attracting and retaining talents is a priority in companies				
3.2.21 · Brain drain	6.03	4.93	17	2022
Brain drain (well-educated and skilled people) does not hinder competitiveness in your economy				
3.2.22 · Foreign highly-skilled personnel	6.03	5.39	21	2022
Foreign highly-skilled personnel are attracted to your country's business environment				
3.2.23 · International experience	4.98	5.62	45	2022
International experience of senior managers is generally significant				
3.2.24 · Competent senior managers	5.10	5.45	37	2022
Competent senior managers are readily available				



### 3.3 · Finance

Value Average Rank Year

3.3.01 · Banking sector assets Percentage of GDP	78.82	157.54	50	2020
3.3.02 · Financial cards in circulation Number of cards per capita	-	3.45		
3.3.03 · Financial card transactions US\$ per capita	3,053	11,334	50	2020
3.3.04 · Access to financial services Proportion of adults with a bank account or mobile-money-service provider	51.03	82.66	54	2017
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	0.83	0.96	55	2017
3.3.06 · Banking and financial services Banking and financial services do support business activities efficiently	5.50	6.24	50	2022
3.3.07 · Regulatory compliance (banking laws) Regulatory compliance is sufficiently developed	6.43	6.92	44	2022
3.3.08 · Stock markets Stock markets provide adequate financing to companies	4.50	5.83	51	2022
3.3.09 · Stock market capitalization (\$bn) US\$ billions	3.4	1,470.4	59	2021
3.3.10 · Stock market capitalization (%) Percentage of GDP	19.56	105.47	51	2021
3.3.11 · Value traded on stock markets US\$ per capita	294	23,478	44	2020
3.3.12 · Listed domestic companies Number of listed domestic companies	24	718	60	2020
3.3.13 · Stock market index Percentage change on index in national currency	-6.70	26.39	62	2021
3.3.14 · Shareholders' rights Shareholders' rights are sufficiently implemented	6.33	6.91	42	2022
3.3.15 · Initial Public Offerings By acquiror nation (average 2019-2021) US\$ millions	0.0	4,258.5	49	2021
3.3.16 · Credit Credit is easily available for business	4.69	6.05	54	2022
3.3.17 · Venture capital Venture capital is easily available for business	4.33	5.34	51	2022
3.3.18 · M&A Activity Deals per listed company (average 2018-2020)	0.147	1.193	56	2020
3.3.19 · Corporate debt Corporate debt does not restrain the ability of enterprises to compete	4.67	5.83	50	2022

3.4 · Management Practices	Value	Average	Rank	Year
3.4.01 · Agility of companies Companies are agile	5.03	6.08	60	2022
3.4.02 · Changing market conditions Companies are generally extremely aware of changing market conditions	5.77	6.69	56	2022
3.4.03 · Opportunities and threats Companies are very good at responding quickly to opportunities and threats	4.83	6.29	61	2022
3.4.04 · Credibility of managers Credibility of managers in society is strong	5.40	6.15	50	2022
3.4.05 · Corporate boards Corporate boards do supervise the management of companies effectively	5.63	6.17	45	2022
3.4.06 · Auditing and accounting practices Auditing and accounting practices are adequately implemented in business	6.63	7.25	48	2022
3.4.07 · Use of big data and analytics Companies are very good at using big data and analytics to support decision-making	4.61	5.33	49	2022
3.4.08 · Customer satisfaction Customer satisfaction is emphasized in companies	5.87	6.95	58	2022
3.4.09 · Entrepreneurship Entrepreneurship of managers is widespread in business	5.33	6.07	52	2022
3.4.10 · Social responsibility Social responsibility of business leaders is high	4.95	6.16	57	2022
3.4.11 · Women in management Female share of senior and middle management (% of management)	54.17	31.46	1	2019
3.4.12 · Women on boards Boardmembers of all companies analyzed by MSCI	-	24.22		
3.4.13 · Entrepreneurial fear of failure % indicating that fear of failure would prevent them from setting up a business	-	42.81		
3.4.14 · Total early-stage Entrepreneurial Activity % who are either a nascent entrepreneur or owner-manager of a new business	-	12.11		

3.5 · Attitudes and Values	Value	Average	Rank	Year
3.5.01 · Attitudes toward globalization Attitudes toward globalization are generally positive in your society	5.41	6.47	55	2022
3.5.02 · Image abroad or branding The image abroad of your country encourages business development	6.89	6.44	27	2022
3.5.03 · National culture The national culture is open to foreign ideas	6.52	6.82	37	2022
3.5.04 · Flexibility and adaptability Flexibility and adaptability of people are high when faced with new challenges	5.27	6.63	59	2022
3.5.05 · Need for economic and social reforms The need for economic and social reforms is generally well understood	5.54	5.88	44	2022
3.5.06 · Digital transformation in companies Digital transformation in companies is generally well implemented	4.83	5.95	58	2022
3.5.07 · Value system The value system in your society supports competitiveness	5.74	6.23	42	2022

# BOTSWANA

## Extended Country Profile

### 4 · Infrastructure

#### 4.1 · Basic Infrastructure

	Value	Average	Rank	Year
4.1.01 · Land area Square kilometers ('000)	582	1,207	20	2021
4.1.02 · Arable area Square meters per capita	1,102	2,704	43	2019
4.1.03 · Water resources Total internal renewable per capita in cubic meters	1,065	18,375	49	2018
4.1.04 · Access to water Access to water is adequately ensured and managed	6.52	7.90	52	2022
4.1.05 · Management of cities Management of cities supports business development	5.70	6.61	49	2022
4.1.06 · Population - market size Estimates in millions	2.42	81.51	56	2021
4.1.07 · Population - growth Percentage change	1.90	0.30	4	2021
4.1.08 · Dependent Population Percentage of total population	37.7	33.6		2021
Population over 65 years	4.7	14.8		2021
Population under 15 years	33.0	18.7		2021
4.1.09 · Dependency ratio Population under 15 and over 64 years old, divided by active population (15 to 64 years)	60.5	51.2	56	2021
4.1.10 · Roads Density of the network, km roads/square km land area	0.06	1.39	55	2019
4.1.11 · Railroads Density of the network, km per square km	0.002	0.049	53	2020
4.1.12 · Air transportation Number of passengers carried by main companies, thousands	254	27,297	58	2019
4.1.13 · Quality of air transportation Quality of air transportation encourages business development	4.98	7.07	59	2022
4.1.14 · Distribution infrastructure The distribution infrastructure of goods and services is generally efficient	5.08	7.12	56	2022
4.1.15 · Energy infrastructure Energy infrastructure is adequate and efficient	5.27	6.81	55	2022
4.1.16 · Total indigenous energy production Millions MTOE	1.69	169.14	58	2019
4.1.17 · Total indigenous energy production (%) Percentage of total requirements in tons of oil equivalent	64.0	106.4	28	2019
4.1.18 · Total final energy consumption Millions MTOE	1.80	122.04	2	2019
4.1.19 · Total final energy consumption per capita MTOE per capita	0.76	2.46	8	2019
4.1.20 · Electricity costs for industrial clients US\$ per kwh	0.095	0.107	25	2019

## 4.2 · Technological Infrastructure

Value Average Rank Year

	Value	Average	Rank	Year
<b>4.2.01 · Investment in Telecommunications</b> Percentage of GDP	0.33	0.42	41	2021
<b>4.2.02 · Mobile Broadband subscribers</b> 4G & 5G market, % of mobile market	22.6	71.5	62	2020
<b>4.2.03 · Mobile Telephone costs</b> Monthly Blended Average Revenue per User	5.0	15.7	8	2020
<b>4.2.04 · Communications technology</b> Communications technology (voice and data) meets business requirements	6.39	7.67	53	2022
<b>4.2.05 · Secure internet servers</b> publicly-trusted TLS/SSL certificates, Netcraft Secure Server Survey.	264	36,109	58	2020
<b>4.2.06 · Internet users</b> Number of internet users per 1000 people	543	839	61	2021
<b>4.2.07 · Broadband subscribers</b> Number of subscriptions per 1000 inhabitants	117	381	59	2020
<b>4.2.08 · Internet bandwidth speed</b> Average speed	7.6	93.5	63	2021
<b>4.2.09 · Digital/Technological skills</b> Digital/Technological skills are readily available	5.51	6.79	55	2022
<b>4.2.10 · Qualified engineers</b> Qualified engineers are available in your labor market	6.07	6.35	36	2022
<b>4.2.11 · Public-private partnerships</b> Public and private sector ventures are supporting technological development	5.64	6.08	44	2022
<b>4.2.12 · Development &amp; application of tech.</b> Development and application of technology are supported by the legal environment	5.73	6.46	49	2022
<b>4.2.13 · Funding for technological development</b> Funding for technological development is readily available	4.77	5.98	51	2022
<b>4.2.14 · High-tech exports (\$)</b> US\$ millions	16	47,160	62	2020
<b>4.2.15 · High-tech exports (%)</b> Percentage of manufactured exports	0.40	18.12	62	2020
<b>4.2.16 · ICT service exports</b> Percentage of service exports	2.6	9.7	54	2018
<b>4.2.17 · Cyber security</b> Cyber security is being adequately addressed by corporations	4.92	5.89	51	2022

4.3.01 · Total expenditure on R&D (\$) US\$ millions	-	31,953		
4.3.02 · Total expenditure on R&D (%) Percentage of GDP	-	1.63		
4.3.03 · Total expenditure on R&D per capita (\$) US\$ per capita	-	647.1		
4.3.04 · Business expenditure on R&D (\$) US\$ millions	-	24,238		
4.3.05 · Business expenditure on R&D (%) Percentage of GDP	-	1.11		
4.3.06 · Total R&D personnel Full-time work equivalent (FTE thousands)	-	233.3		
4.3.07 · Total R&D personnel per capita Full-time work equivalent (FTE) per 1000 people	-	5.37		
4.3.08 · Total R&D personnel in business enterprise Full-time work equivalent (FTE thousands)	-	183.3		
4.3.09 · Total R&D personnel in business per capita Full-time work equivalent (FTE) per 1000 people	-	3.31		
4.3.10 · Researchers in R&D per capita Full-time work equivalent (FTE) per 1000 people	-	3.6		
4.3.11 · Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences	23.34	24.75	34	2019
4.3.12 · Scientific articles Scientific articles published by origin of author	304	39,473	62	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	6	52,962	63	2020
4.3.16 · Patent applications per capita Number of applications filed by applicant's origin, per 100,000 inhabitants	0.25	80.01	62	2020
4.3.17 · Patent grants Number of patents granted by applicant's origin (average 2018-2020)	1	25,007	63	2020
4.3.18 · Number of patents in force by applicant's origin, per 100,000 inhabitants	0.1	491.7	63	2020
4.3.19 · Medium- and high-tech value added Proportion of total manufacturing value added, expressed as a percentage	7.92	38.63	62	2019
4.3.20 · Scientific research legislation Laws relating to scientific research do encourage innovation	5.47	5.97	42	2022
4.3.21 · Intellectual property rights Intellectual property rights are adequately enforced	5.63	6.59	50	2022
4.3.22 · Knowledge transfer Knowledge transfer is highly developed between companies and universities	4.39	5.52	53	2022

## 4.4 · Health and Environment

Value Average Rank Year

4.4.01 · Total health expenditure Percentage of GDP	6.1	7.5	44	2019
4.4.02 · Total health expenditure per capita US\$ per capita	422	2,614	53	2019
4.4.03 · Public expenditure on health (%) Percentage of total health expenditure	78.52	65.44	13	2019
4.4.04 · Health infrastructure Health infrastructure meets the needs of society	4.36	5.97	48	2022
4.4.05 · Universal health coverage index Coverage index for essential health services (0-100)	54	78	61	2019
4.4.06 · Life expectancy at birth Average estimate	69.8	78.4	62	2020
4.4.07 · Healthy life expectancy Average estimate	60.5	68.3	61	2021
4.4.08 · Infant mortality Under five mortality rate per 1000 live births	44.8	7.9	63	2020
4.4.09 · Medical assistance Number of inhabitants per physician and per nurse			60	2021
Medical assistance / Per nurse	307.24	302.83		2021
Medical assistance / Per physician	2,897.98	533.91		2021
4.4.10 · Urban population Percentage of total population	72	77		2021
4.4.11 · Human development index Combines economic - social - educational indicators/ Source: Human Development Report	0.735	0.862	57	2019
4.4.12 · Energy intensity Total energy consumed for each 1000 US\$ of GDP in MTOE	105	102	35	2018
4.4.13 · Safely treated waste water Percentage of waste water	-	76.7		
4.4.14 · Water use efficiency US\$ per cubic meter	73.14	97.67	24	2019
4.4.15 · CO2 emissions Metric tons of carbon dioxide from fuel combustion	7.2	420.2	4	2019
4.4.16 · CO2 emissions intensity CO2 emissions from fuel combustion in metric tons per one million US\$ of GDP	436.7	354.2	47	2019
4.4.17 · Exposure to particle pollution Mean population exposure to PM2.5, Micrograms per cubic metre	25.33	20.45	50	2019
4.4.18 · Renewable energies (%) Share of renewables in total energy requirements, %	18.9	16.8	22	2019
4.4.19 · Forest area growth Five year percentage change of hectares	-3.7	0.4	60	2020
4.4.20 · Total biocapacity Global hectares per capita of biologically productive space	3.30	3.26	19	2018
4.4.21 · Ecological footprint Global hectares per person	2.4	5.0	8	2018
4.4.22 · Ecological balance (reserve/deficit) Total biocapacity minus total footprint in global hectares per capita	0.93	-1.73	14	2018
4.4.23 · Environment-related technologies Development of environment-related technologies, % inventions worldwide	-	1.60		
4.4.24 · Environmental agreements Multilateral agreements on hazardous waste, proportion fulfilled	39.95	83.34	61	2015
4.4.25 · Sustainable development Sustainable development is a priority in companies	5.54	6.21	46	2022
4.4.26 · Pollution problems Pollution problems do not seriously affect your economy	5.21	5.71	42	2022
4.4.27 · Environmental laws Environmental laws and compliance do not hinder the competitiveness of businesses	6.16	6.17	30	2022
4.4.28 · Quality of life Quality of life is high	4.62	6.76	52	2022

## 4.5 · Education

Value Average Rank Year

	Value	Average	Rank	Year
4.5.01 · Total public expenditure on education Percentage of GDP	8.7	5.0	1	2018
4.5.02 · Total public expenditure on education per capita US\$ per capita	630	1,562	43	2018
4.5.03 · Total public exp. on education per student Spending per enrolled pupil/student, all levels	1,970	6,944	48	2016
4.5.04 · Pupil-teacher ratio (primary education) Ratio of students to teaching staff	25.63	15.95	58	2017
4.5.05 · Pupil-teacher ratio (secondary education) Ratio of students to teaching staff	11.88	13.74	28	2017
4.5.06 · Secondary school enrollment Percentage of relevant age group receiving full-time education	-	92.7		
4.5.07 · Higher education achievement Percentage of population that has attained at least tertiary education for persons 25-34	3.5	44.2	61	2017
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	0.48	4.01	51	2019
4.5.10 · Student mobility outbound National tertiary-level students studying abroad per 1000 inhabitants	1.10	2.62	41	2019
4.5.11 · Educational assessment - PISA PISA survey of 15-year olds	-	471		
Educational assessment - PISA / Mathematics	-	472		
Educational assessment - PISA / Reading	-	468		
Educational assessment - PISA / Sciences	-	472		
4.5.12 · Students who are not low achievers - PISA % of students who are not low achievers in maths, sciences and reading	-	58.5		
4.5.13 · English proficiency - TOEFL TOEFL scores	88	92	45	2020
4.5.14 · Primary and secondary education Primary and secondary education meets the needs of a competitive economy	4.62	6.10	48	2022
4.5.15 · University education University education meets the needs of a competitive economy	5.12	6.40	48	2022
4.5.16 · Management education Management education meets the needs of the business community	5.18	6.34	50	2022
4.5.17 · University education index Country score calculated from Times Higher Education university ranking	0.00	14.07	55	2021
4.5.18 · Illiteracy Adult (over 15 years) illiteracy rate as a percentage of population	-	2.4		
4.5.19 · Language skills Language skills are meeting the needs of enterprises	6.03	6.41	39	2022



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