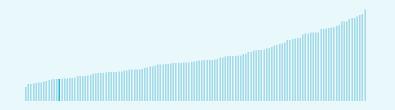


The Global Innovation Index (GII) ranks world economies according to their innovation capabilities.

Consisting of **roughly 80 indicators**, grouped into innovation inputs and outputs, the GII **aims to capture the multi-dimensional facets of innovation**.

## Algeria ranking in the Global Innovation Index 2023

Algeria ranks 119th among the 132 economies featured in the GII 2023.



Algeria ranks 33rd among the 37 lowermiddle-income group economies.



 Algeria ranks 18th among the 18 economies in Northern Africa and Western Asia.



#### > Algeria GII Ranking (2020-2023)

The table shows the rankings of Algeria over the past four years. Data availability and changes to the GII model framework influence year-on-year comparisons of the GII rankings. The statistical confidence interval for the ranking of Algeria in the GII 2023 is between ranks 110 and 121.

	GII Position
2020	121st
2021	120th
2022	115th
2023	119th

Innovation Inputs	Innovation Outputs
111st	126th
109th	128th
110th	118th
118th	116th

Algeria performs better in innovation outputs than innovation inputs in 2023.

This year Algeria ranks 118th in innovation inputs.
This position is lower than last year.

Algeria ranks 116th in innovation outputs. This position is higher than last year.



### → Expected vs. observed innovation performance

The bubble chart below shows the relationship between income levels (GDP per capita) and innovation performance (GII score). The trend line gives an indication of the expected innovation performance according to income level. Economies appearing above the trend line are performing better than expected and those below are performing below expectations.



> Relative to GDP, Algeria's performance is below expectations for its level of development.

# > Innovation overperformers relative to their economic development ↑ GII Score Innovation leader Performing above expectations for level of development Performing at expectations for level of development Performing below expectations for level of 30 development Size legend (Population) 0 0.8 0.9 1 →GDP per capita, PPP logarithmic scale (thousands of \$)

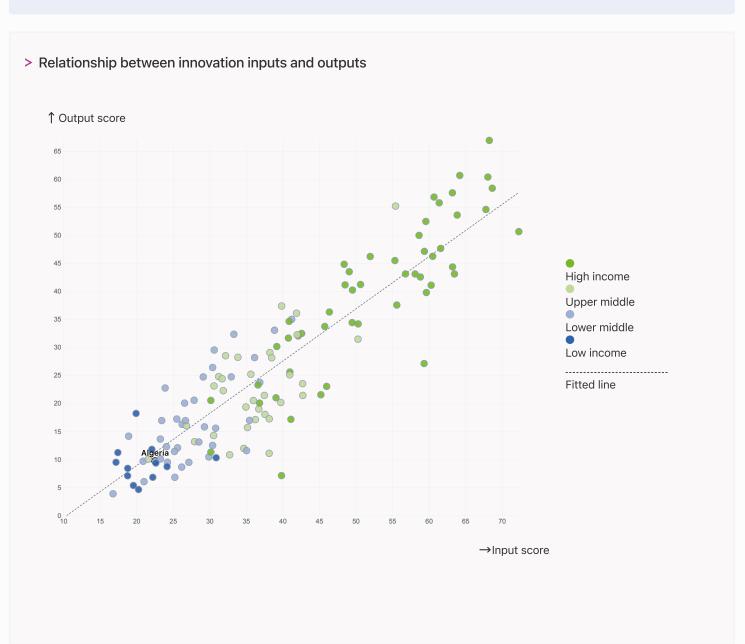


### → Effectively translating innovation investments into innovation outputs

The chart below shows the relationship between innovation inputs and innovation outputs. Economies above the line are effectively translating costly innovation investments into more and higher-quality outputs.



> Algeria produces more innovation outputs relative to its level of innovation investments.





### → Overview of Algeria's rankings in the seven areas of the GII in 2023

The chart shows the ranking for each of the seven areas that the GII comprises. The strongest areas for Algeria are those that rank above the GII (shown in blue) and the weakest are those that rank below.

Highest rankings → 97th Institutions 102nd Infrastructure 107th Creative outputs 113rd Human capital and research • 119th Global Innovation Index 120th Business sophistication 125th Market sophistication ← Lowest rankings 128th Knowledge and technology outputs

> Highest rankings



Algeria ranks highest in Institutions (97th), Infrastructure (102nd), Creative outputs (107th) and Human capital and research (113rd).

> Lowest rankings



Algeria ranks lowest in Knowledge and technology outputs (128th), Market sophistication (125th) and Business sophistication (120th).

The full WIPO Intellectual Property Statistics profile for Algeria can be found on this link.



### → Benchmark of Algeria against other country groupings for each of the seven areas of the GII Index

The charts shows the relative position of Algeria (blue bar) against other country groupings (grey bars), for each of the seven areas of the GII Index.

### > Lower-Middle-Income economies

Algeria performs below the lower-middleincome group average in all the pillars.

### > Northern Africa And Western Asia

Algeria performs below the regional average in all the pillars.

Knowledge and technology outputs Top 10 | Score: 58.96 NAWA | Score: 24.01 Lower middle income | Score: 17.21 Algeria | Score: 9.46

Creative outputs

Top 10 | 56.09

NAWA | 24.51

Lower middle income | 16.35

Algeria | 9.93

Business sophistication

Top 10 | 64.39

NAWA | 29.44

Lower middle income | 22.71

Algeria | 16.55

Market sophistication

Top 10 | 61.93

NAWA | 36.12

Lower middle income | 28.01

Algeria | 13.87

Human capital and research

Top 10 | 60.28

NAWA | 32.72

Lower middle income | 21.73

Algeria | 15.95

Infrastructure

Top 10 | 62.83

NAWA | 41.60

Lower middle income | 27.83

Algeria | 27.60

Institutions

Top 10 | 79.85

NAWA | 53.39

Lower middle income | 39.43

Algeria | 38.72



### → Innovation strengths and weaknesses in Algeria

The table below gives an overview of the indicator strengths and weaknesses of Algeria in the GII 2023.



> Algeria's main innovation strengths are **Gross capital formation**, % **GDP** (rank 11), **Graduates in science and engineering**, % (rank 19) and **Domestic market scale**, **bn PPP\$** (rank 40).

### Strengths

#### Weaknesses

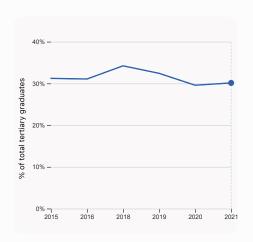
Rank	Code	Indicator name	Rank	Code	Indicator name
11	3.2.3	Gross capital formation, % GDP	131	6.3.3	High-tech exports, % total trade
19	2.2.2	Graduates in science and engineering, %	130	1.2.1	Regulatory quality
40	4.3.3	Domestic market scale, bn PPP\$	128	6.2.3	Software spending, % GDP
48	7.1.4	Industrial designs by origin/bn PPP\$ GDP	101	4.2.3	VC recipients, deals/bn PPP\$ GDP
53	5.3.2	High-tech imports, % total trade	79	7.2.2	National feature films/mn pop. 15-69
56	2.3.1	Researchers, FTE/mn pop.	78	4.2.1	Market capitalization, % GDP
58	2.3.2	Gross expenditure on R&D, % GDP	77	2.1.4	PISA scales in reading, maths and science
64	5.2.2	State of cluster development	74	7.1.3	Global brand value, top 5,000
64	2.2.1	Tertiary enrolment, % gross	71	2.3.4	QS university ranking, top 3
71	1.2.3	Cost of redundancy dismissal	48	6.2.2	Unicorn valuation, % GDP
			40	2.3.3	Global corporate R&D investors, top 3, mn US\$



### → Algeria's innovation system

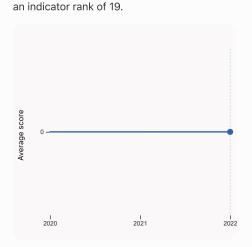
As far as practicable, the plots below present unscaled indicator data.

### > Innovation inputs in Algeria



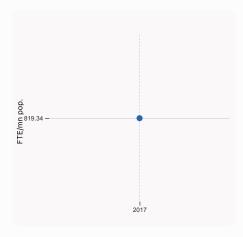
# 2.2.2 Graduates in science and engineering, %

was equal to 30.13% of total tertiary graduates in 2021, up by 0.55 percentage points from the year prior – and equivalent to



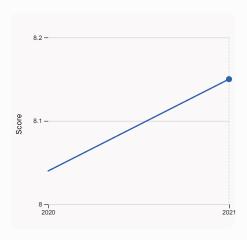
#### 2.3.4 QS university ranking, top 3

was equal to an average score of 0 for the top 3 universities in 2022, equivalent to an indicator rank of 71.



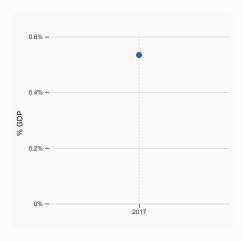
#### 2.3.1 Researchers, FTE/mn pop.

was equal to 819.34 FTE/mn pop. in 2017, equivalent to an indicator rank of 56.



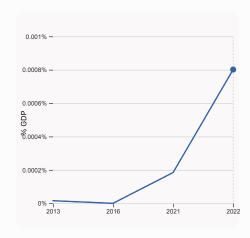
#### 3.1.1 ICT access

was equal to a score of 8.15 in 2021, up by 1.37% from the year prior – and equivalent to an indicator rank of 86.



#### 2.3.2 Gross expenditure on R&D, % GDP

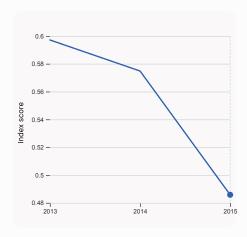
was equal to 0.534 % GDP in 2017, equivalent to an indicator rank of 58.

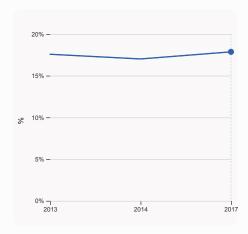


#### 4.2.4 VC received, value, % GDP

was equal to 0.0008% GDP in 2022, up by 0.00062 percentage points from the year prior – and equivalent to an indicator rank of 63.





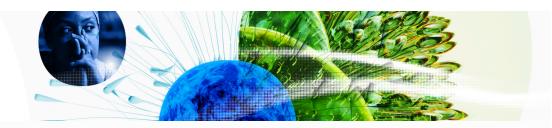


#### 4.3.2 Domestic industry diversification

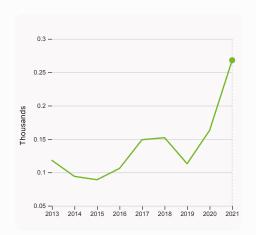
was equal to an index score of 0.486 in 2015, down by 15.48% from the year prior – and equivalent to an indicator rank of 106.

5.1.1 Knowledge-intensive employment, %

was equal to 17.86% in 2017, up by 0.85 percentage points from the year prior – and equivalent to an indicator rank of 81.

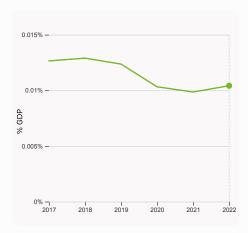


### > Innovation outputs in Algeria



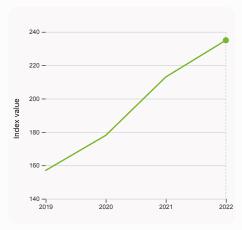
#### 6.1.1 Patents by origin

was equal to 0.27 Thousands in 2021, up by 64.42% from the year prior – and equivalent to an indicator rank of 80.



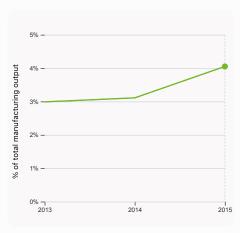
#### 6.2.3 Software spending, % GDP

was equal to 0.01% GDP in 2022, up by 0.00056 percentage points from the year prior – and equivalent to an indicator rank of 128.



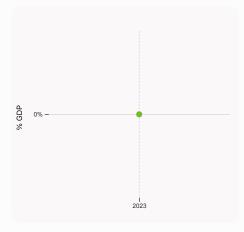
#### 6.1.5 Citable documents H-index

was equal to an index value of 235 in 2022, up by 10.33% from the year prior – and equivalent to an indicator rank of 73.



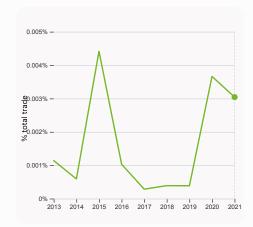
#### 6.2.4 High-tech manufacturing, %

was equal to 4.05% of total manufacturing output in 2015, up by 0.94 percentage points from the year prior – and equivalent to an indicator rank of 104.



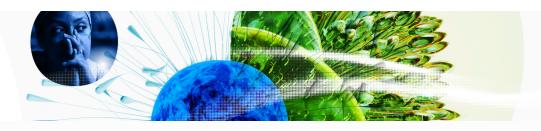
6.2.2 Unicorn valuation, % GDP

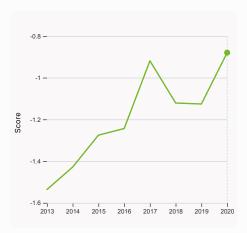
was equal to 0 % GDP in 2023 – and equivalent to an indicator rank of 48.



# 6.3.1 Intellectual property receipts, % total trade

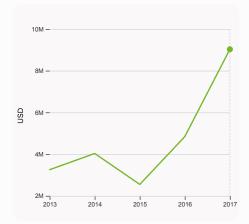
was equal to 0.003% total trade in 2021, down by 0.00062 percentage points from the year prior – and equivalent to an indicator rank of 101.





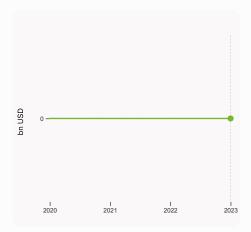
### 6.3.2 Production and export complexity

was equal to a score of -0.88 in 2020, up by 21.86% from the year prior – and equivalent to an indicator rank of 104.



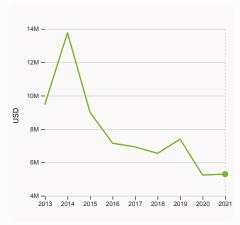
#### 6.3.3 High-tech exports

was equal to 9,027,375 USD in 2017, up by 86.33% from the year prior – and equivalent to an indicator rank of 131.



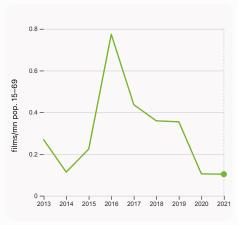
#### 7.1.3 Global brand value, top 5,000

was equal to 0 bn USD in 2023 – and equivalent to an indicator rank of 74.



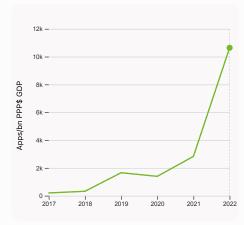
### 7.2.1 Cultural and creative services exports

was equal to 5,299,000 USD in 2021, up by 1.11% from the year prior – and equivalent to an indicator rank of 102.



### 7.2.2 National feature films/mn pop. 15-69

was equal to 0.103 films/mn pop. 15–69 in 2021, down by 1.39% from the year prior – and equivalent to an indicator rank of 79.



### 7.3.4 Mobile app creation/bn PPP\$ GDP

was equal to 10,641.32 Apps/bn PPP\$ GDP in 2022, up by 275.51% from the year prior – and equivalent to an indicator rank of 102.

4.3.2 Domestic industry diversification

4.3.3 Domestic market scale, bn PPP\$



GII 2023 rank

Algeria	119
, ligoria	117

Institutions	Output rank	Input rank Income  118 Lower mide	· -	Region	Population (mn)	GDP, PPP\$ (bn) <b>600.7</b>	GDP per cap	
Institutions	110	110 Lower mide			44.9	600.7	,	
1.1.1 Coverment effectivements** 19.6   10.5   11.1 Coverments** 19.6   10.5   12.1 Coverments** 19.6   10.5   13.1 Coverments** 19.6   13.1 Coverments** 19.6   13.1 Coverments** 19.6   13.2 Coverments** 19.6   13.1 Coverments** 19.6   13.					<b>Business sophistic</b>	cation		
1.1.2 Covernment effectiveness* 1.2.1 Regulatory quality* 1.2.1 Regulatory quality* 1.2.1 Regulatory quality* 1.2.2 Rule affaired previousness of the previousness of	1.1 Institutional en	vironment	27.2	106	5.1 Knowledge workers		14.9	113
1.2 Regulatory environment	1.1.1 Operational sta	ability for businesses*	34.7	111	5.1.1 Knowledge-intensive	employment, %	<b>6</b> 17.9	81
1.1.1   130   0   0   1.1.1   130   0   0   1.1.1   130   0   0   1.1.1   130   0   0   1.1.1   130   0   0   1.1.1   130   0   0   1.1.1   130   0   0   1.1.1   130   0   0   1.1.1   130   0   0   1.1.1   130   0   0   1.1.1   130   0   0   1.1.1   130   0   0   1.1.1   130   0   0   1.1.1   130   0   0   0   1.1.1   130   0   0   0   0   1.1.1   130   0   0   0   0   0   0   0   0   0	1.1.2 Government ef	ffectiveness*	19.6	106	5.1.2 Firms offering formal	training, %	n/a	n/a
1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.2   1.2.								
1.3.1 Subsines survivonment 1		ality*						
1.3 B Pelicies for incing business*						/advanced degrees, %		
1.3.1 Policy for of oning business*   4.13   8.2   5.2.2 SIRED finance development*   4.00   6.0   6.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.		-			_	20 D II-b+:+		
2.2   Enterpreneurable policies and culture*   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   16.0   1								
Human capital and research								
2.1 Education 11.3 132 12.2 Government funding/pupil, secondary, % GDPc and not performed funding fundi	1.3.2 Entrepreneurs	nip policies and culture	пуа	П/а	•			
2.1 Expenditure on education, % ODP         n/s         n/s         5.3 Intellectual property payments, % total trade         0.04         1.2 In payments, % total trade         0.04         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05         0.05 <td>2 Human capi</td> <td>tal and research</td> <td>16.0</td> <td>113</td> <td></td> <td></td> <td></td> <td></td>	2 Human capi	tal and research	16.0	113				
2.14 Expenditure on education, % GDP 2.12 Covernment unding/pupil, secondary, % GDP/cap 2.13 School life expectancy, years 2.13 School life expectancy, years 2.14 PSA scales in reading, maths and science 3.16 PSA 2.18 PSA scales in reading, maths and science 3.17 PSA scales in reading, maths and science 3.18 PSA 5.3 EVEN PSA scales in reading, maths and science 3.19 PSA scales in reading, maths and science 3.21 PSA scales in reading, maths and science 3.21 PSA scales in reading, maths and science 3.21 PSA scales in reading, maths and science 3.22 PSA scales in reading, maths and science 3.21 PSA scales in reading, maths and science 3.22 PSA scales in reading, maths and science 3.21 PSA scales in reading, maths and science 3.22 PSA scales in science and exploration maths and science and engineming, % 3.01 PSA scales in science and engineming, % 3.02 PSA scales in science and engineming, % 3.03 PSA scales in science and engineming, % 3.04 PSA scales in science and engineming, % 3.05 PSA scales in science and engineming, % 3.05 PSA scales in science and engineming, % 3.05 PSA scales in science and engineming, % 3.06 PSA scales in science and engineming, % 3.07 PSA scales in science and engineming, % 3.08 PSA scales in science and engineming, % 3.09 PSA scales in science and engineming, % 3.09 PSA scales in science and engineming, % 3.09 PSA scales in science, % 3.09	2.1 Education		11 3	132	·			
2.12 Government funding/pupil, secondary, % GDP/cap 1.33 School fire expectancy, years of a few pectancy years of years of years of years of a few pectancy years of ye		education. % GDP						79
1.14 PISA scales in reading, marks and science		•					<b>8</b> .9	53 ●
2.4 PBA scales in reading, maths and science 1.5 Pupil-teacher ratio, secondary 2.7 Terriary enrolment, % gross 2.2 Terriary enrolment, % gross 2.2.1 Terriary enrolment, % gross 2.2.2 Terriary enrolment, % gross 2.2.3 Terriary inhound mobility, % 2.2.6 Terriary inhound mobility, % 2.2.6 Terriary inhound mobility, % 2.2.8 Terriary inhound mobility, % 2.2.8 Terriary inhound mobility, % 2.2.8 Terriary inhound mobility, % 2.2.9 Terriary inhound mobility, % 2.2.1 Terriary inhound mobility, % 2.2.1 Terriary inhound mobility, % 2.2.2 Terriary inhound mobility, % 2.2.3 Gross expenditure on R&D, % GDP 2.2.4 Gross expenditure on R&D, % GDP 2.2.4 Gross expenditure on R&D, % GDP 2.2.5 Gross expenditure on R&D, % GDP 2.2.6 Gross expenditure on R&D, % GDP 2.2.7 Gross expenditure on R&D, % GDP 2.2.7 Gross expenditure on R&D, % GDP 2.2.8 Gross expenditure on R&D, % GDP 2.2.9 Gross expenditure on R&D, % GDP 2.2.1 Gross expenditure on R&D, % GDP 2.2.1 Gross expenditure on R&D, % GDP 2.2.2 Gross expenditure on R&D, % GDP 2.2.3 Gross expenditure on R&D, % GDP 2.2.4 Gross expenditure on R&D, % GDP 2.2.5 Gross expenditure on R&D, % GDP 2.2.6 Gross expenditure on R&D, % GDP 2.2.7 Gross expe				•	5.3.3 ICT services imports	, % total trade	0.4	115
2.2 Tertiary education  2.2.1 Tertiary enrolment, % gross  5.3.7 6					5.3.4 FDI net inflows, % G	DP	0.7	105
2.2.1 Tertiary enrolment, % gross	2.1.5 Pupil-teacher	ratio, secondary	n/a	n/a	5.3.5 Research talent, % in	n businesses	<b>O</b> 0.5	81 💠
2.21 cirtary enrolment, % gross   5.37   64	2.2 Tertiary educa	tion	32.1	60	Mr. Knowledge and to	chnology outputs	9.5	129 ^
2.3 Retard in bound mobility, % 2.3 Research and development (R&D) 2.3 Research and development (R&D) 3.8 193 56	2.2.1 Tertiary enroln	nent, % gross	53.7	64 ●	Nilowieuge and te	critiology outputs	9.5	120 🗸
2.3 Research and development (R&D)         4.5 78	2.2.2 Graduates in s	science and engineering, %	30.1	19 •	6.1 Knowledge creation		8.8	86
2.3.1 Researchers, FTE/mn pop. 2.3.2 Grosse expenditure on R&D, % GDP 2.3.2 Grosse expenditure on R&D, % GDP 2.3.2 Grosse expenditure on R&D, % GDP 2.3.3 Global corporate R&D investors, top 3, mn US\$ 2.0.0 71 ○ 1.0 1.5 Citable documents H-index 2.3.2 Global corporate R&D investors, top 3, mn US\$ 2.0.0 71 ○ 2.0 6.2 Knowledge impact 2.0.0 71 ○ 2.0 6.2 Knowledge impact 2.0 1.1 Ground the Research of Research (1.1.5) Research (1.1	2.2.3 Tertiary inbou	nd mobility, %	0.6		6.1.1 Patents by origin/bn I	PPP\$ GDP		
2.3.2 Gross expenditure on R&D, % GDP								
2.3.3 Global corporate R&D investors, top 3, mn US\$ 0.0 0.7 0 0 0.0 0.7 0 0 0.0 0.0 0.0 0.0								
2.3.4 QS university ranking, top 3*         0.0         71								
\$\bar{\chance}{\chance}\$ infrastructure         27.6         102         6.2.1 Labor productivity growth, % GDP         -0.0         97           3.1 Information and communication technologies (ICTs)         47.7         102         6.2.2 Unicorn valuation, % GDP         0.0         128 ○           3.1.1 ICT access*         7.2.2         86         6.2.4 High-tech manufacturing, % GDP         0.0         120 ○           3.1.2 ICT use*         66.7         78         6.3.4 Invalidation, % GDP         4.1         104 ○           3.1.3 Government's online service*         66.7         78         6.3.4 Invalidation and export complexity         0.0         101 ○           3.1.4 E-participation*         20.9         122         6.3.2 Production and export complexity         34.1         104           3.2 General infrastructure         20.9         180.5         87         6.3.4 ICT services exports, % total trade         0.0         131 ○           3.2.1 Electricity output, GWh/mn pop.         180.5         87         6.3.4 ICT services exports, % total trade         0.0         101 ○           3.2.2 Logistics performance*         38.8         11 ○         2.2         2.2         2.2         2.2         2.2         2.2         2.2         2.2         2.2         2.2         2.2         2.2						l-index		
Second	2.3.4 QS university	ranking, top 3*	0.0	7100				
3.1 Information and communication technologies (ICTs) 47.7 102 66.2.3 Software spending, % GDP 0.0 128 ○ 1.1 ICT access* 7.2.2 86 6.2.4 High-tech manufacturing, % 4.1 104 ○ 1.1 ICT access* 7.2.2 86 6.2.4 High-tech manufacturing, % 4.1 104 ○ 1.1 ICT access* 7.2.2 86 6.3.4 High-tech manufacturing, % 4.1 104 ○ 1.1 ICT access* 7.2.2 86 6.3.4 High-tech manufacturing, % 4.1 104 ○ 1.1 ICT access* 7.2.2 86 6.3.4 High-tech manufacturing, % 4.1 104 ○ 1.1 ICT access* 7.2.2 86 6.3.4 High-tech exports, which all trade 0.0 101 1.1 ICT access* 7.2.2 86 6.3.4 High-tech exports, which are deposited in trade 0.0 101 1.1 ICT access* 1.2 ICT access*	<b>‡</b> Infrastructu	re	27.6	102				
3.1.1 ICT access* 3.1.2 ICT use* 66.7 78 6.3 Knowledge diffusion 7.6 120 3.1.3 Government's online service* 3.0.2 Clearly output, GWh/nn pop. 3.1.4 E-participation* 3.2.2 Logistics performance* 3.1.8 1	2.4 Information on	d communication to the classics (IOTs)	47.7	100				
3.1.2 ICT use* 3.1.3 Government's online service* 3.0.8 121 3.1.4 E-participation* 3.0.9 122 3.2.6 General infrastructure 3.2.7 79 3.2.1 Electricity output, GWh/mn pop. 3.2.1 Electricity output, GWh/mn pop. 3.2.2 6 gross capital formation, % GDP 3.3.3 Ecological sustainability 3.3.1 6DP/unit of energy use 3.3.2 Environmental performance* 3.3.3 ISO 14001 environment/bn PPP\$ GDP 3.4.1 Credit 4.1.1 Finance for startups and scaleups* 1/2		d communication technologies (ICTs)						
3.1.3 Government's online service* 3.0.8 121								
3.1.4 E-participation* 2.0.9 122 6.3.2 Production and export complexity 3.4.1 104 3.2 General infrastructure 3.2.7 79 6.3.3 High-tech exports, % total trade 3.2.1 Electricity output, GWh/mn pop. 3.2.1 Electricity output, GWh/mn pop. 3.2.2 Logistics performance* 3.2.2 Logistics performance* 3.2.3 Gross capital formation, % GDP 3.3 Ecological sustainability 3.4 117 3.3 Ecological sustainability 3.3 Ecological sustainability 3.3 Ecological sustainability 3.4 117 3.3.1 GDP/unit of energy use 3.3.2 Environmental performance* 3.3.3 In 11 11 11 11 11 11 11 11 11 11 11 11 11		online service*			_			
3.2 General infrastructure  2.7 79 3.2.1 Electricity output, GWh/mn pop. 3.2.1 Electricity output, GWh/mn pop. 3.2.2 Logistics performance* 3.2.3 Gross capital formation, % GDP 3.3.3 Ecological sustainability 3.3.4 Coperations of energy use 3.3.2 Environmental performance* 3.3.3 I SDP/unit of energy use 3.3.4 I I I I I I I I I I I I I I I I I I I								
3.2.1 Electricity output, GWh/mn pop.  1,805.2 87  6.3.4 ICT services exports, % total trade  0.2 121  3.2.2 Logistics performance*  18.2 89  6.3.5 ISO 9001 quality/bn PPP\$ GDP  1.0 106  3.2.3 Gross capital formation, % GDP  3.3 Ecological sustainability  12.4 117  3.3 Ecological sustainability  12.4 117  3.3.1 GDP/unit of energy use  3.3.2 Environmental performance*  18.1 113  3.1.1 Intangible assets  13.5 102  7.1 Intangible asset intensity, top 15, %  1.1 Intangible asset intensity, top 15, %  1.1 Intangible asset intensity, top 15, %  1.1 Intangible asset intensity, top 15, %  1.2 Trademarks by origin/bn PPP\$ GDP  2.0 90  7.1.3 Global brand value, top 5,000  7.1.4 Industrial designs by origin/bn PPP\$ GDP  1.0 48 ●  4.1 Credit  4.1.1 Finance for startups and scaleups †  1.1 Intangible asset intensity, top 15, %  1.1 Intangible asset intensity, top 15, %  7.1.2 Trademarks by origin/bn PPP\$ GDP  2.0 8  7.1.3 Global brand value, top 5,000  7.1.4 Industrial designs by origin/bn PPP\$ GDP  1.0 48 ●  4.1 Credit  4.1.1 Finance for startups and scaleups †  1.1 Intangible asset intensity, top 15, %  7.1 Intangible asset intensity, top 15, %  7.1 Intangible asset intensity, top 15, %  7.1.2 Trademarks by origin/bn PPP\$ GDP  2.0 8  7.1.4 Industrial designs by origin/bn PPP\$ GDP  1.0 48 ●  4.1 Credit  4.1.1 Finance for startups and scaleups †  1.1 Intangible asset intensity, top 15, %  7.1 Intangible asset intensity, top 15, %  7								
3.2.2 Logistics performance*  18.2 89  6.3.5 ISO 9001 quality/bn PPP\$ GDP  1.0 106  3.2.3 Gross capital formation, % GDP  3.3 Ecological sustainability  12.4 117  3.3.1 GDP/unit of energy use  3.3.2 Environmental performance*  18.1 113  7.1.1 Intangible asset intensity, top 15, %  3.3.3 ISO 14001 environment/bn PPP\$ GDP  1.0 103  1.1 113  7.1.1 Intangible asset intensity, top 15, %  1.1 113  7.1.1 Intangible asset intensity, top 15, %  1.1 113  7.1.1 Intangible asset intensity, top 15, %  1.1 113  7.1.1 Intangible asset intensity, top 15, %  1.1 113  7.1.1 Intangible asset intensity, top 15, %  1.1 113  7.1.1 Intangible asset intensity, top 15, %  1.1 113  7.1.2 Trademarks by origin/bn PPP\$ GDP  2.0 100  2.0 100  7.1.2 Trademarks by origin/bn PPP\$ GDP  2.0 100  7.1.4 Industrial designs by origin/bn PPP\$ GDP  1.0 41 Credit  4.1.1 Finance for startups and scaleups†  1.1 114  1.2 115  1.3 105  1.4 Industrial designs by origin/bn PPP\$ GDP  1.5 2 Creative goods and services  1.6 48  4.1 2 Investment  4.1 2 Investment  1.8 104  7.2.1 Cultural and creative services exports, % total trade  1.8 104  7.2.2 Intertainment and media market/th pop. 15-69  1.0 104  4.2.1 Vercetive opods exports, % total trade  1.8 104  7.2.2 Creative goods exports, % total trade  1.8 104  7.2.3 Entertainment and media market/th pop. 15-69  1.9 105  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0 101  1.0								121
3.2.3 Gross capital formation, % GDP 3.3 Ecological sustainability 3.3.1 GDP/unit of energy use 8.1 87 3.3.2 Environmental performance* 18.1 113 3.3.3 ISO 14001 environment/bn PPP\$ GDP 18.3 ISO 14001 environment/bn PPP\$ GDP 18.4 Interpretation 18.4 ISO 1					6.3.5 ISO 9001 quality/bn	PPP\$ GDP	1.0	106
3.3 Ecological sustainability 3.3.1 GDP/unit of energy use 3.3.2 Environmental performance* 3.3.2 Environmental performance* 3.3.3 ISO 14001 environment/bn PPP\$ GDP 3.3 103 3.3 ISO 14001 environment/bn PPP\$ GDP 3.3 ISO 14001 environm			36.8	11 •	(A) Creative autoute		0.0	107
3.3.2 Environmental performance*  18.1 113 7.1.1 Intangible asset intensity, top 15, % n/a n/a 3.3.3 ISO 14001 environment/bn PPP\$ GDP 0.3 103 7.1.2 Trademarks by origin/bn PPP\$ GDP 20.8 90    Market sophistication 13.9 125	3.3 Ecological sus	tainability	12.4	117	Creative outputs		9.9	107
3.3.3 ISO 14001 environment/bn PPP\$ GDP  0.3 103  7.1.2 Trademarks by origin/bn PPP\$ GDP  20.8 90  7.1.3 Global brand value, top 5,000  0.0 74 ○  7.1.4 Industrial designs by origin/bn PPP\$ GDP  1.6 48 ●  4.1 Credit  9.6 115  7.2 Creative goods and services  0.2 128  4.1.1 Finance for startups and scaleups†  1.1.2 Domestic credit to private sector, % GDP  4.1.3 Loans from microfinance institutions, % GDP  1.1.3 Industrial designs by origin/bn PPP\$ GDP  1.2.1 Cultural and creative services exports, % total trade  1.2.2 National feature films/mn pop. 15-69  1.2.3 Entertainment and media market/th pop. 15-69  1.2.4 Creative goods exports, % total trade  1.2.5 106  1.2.6 Variative capital (VC) investors, deals/bn PPP\$ GDP  1.2.5 106  1.2.6 Variative capital (VC) investors, deals/bn PPP\$ GDP  1.2.6 Variative goods exports, % total trade  1.2.7 Creative goods exports, % total trade  1.2.8 Variative capital (VC) investors, deals/bn PPP\$ GDP  1.2.5 106  1.2.6 Variative capital (VC) investors, deals/bn PPP\$ GDP  1.2.6 Variative capital (VC) investors, deals/bn PPP\$ GDP  1.2.6 Variative goods exports, % total trade  1.2.7 Creative goods exports, % total trade  1.2.8 Variative goods exports, % total trade  1.2.9 Variative goods exports, % total trade  1.2.1 Cultural and creative services exports, % total trade  1.2.2 Venture capital (VC) investors, deals/bn PPP\$ GDP  1.2.3 Online creativity  1.2.4 Creative goods exports, % total trade  1.2.5 106  1.2.4 Creative goods exports, % total trade  1.2.5 106  1.2.6 Variative goods exports, % total trade  1.2.6 Variative goods exports, % total trade  1.2.7 Variative goods exports, % total trade  1.2.8 Variative goods exports, % total trade  1.2.9 Variative goods exports, % total trade  1.2.1 Variative goods exports, % total trade  1.2.2 Variative goods exports, % total trade  1.2.3 Variative goods exports, % total trade  1.2.4 Variative goods expor	3.3.1 GDP/unit of en	ergy use	8.1	87	7.1 Intangible assets		13.5	102
Market sophistication         13.9 125	3.3.2 Environmental	I performance*	18.1	113	7.1.1 Intangible asset inten	sity, top 15, %	n/a	n/a
## A1 Credit ## A1.1 Finance for startups and scaleups   ## N/a	3.3.3 ISO 14001 env	vironment/bn PPP\$ GDP	0.3	103			20.8	90
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4.2 Investment       1.8       104       7.2.4 Creative goods exports, % total trade       ● 0.0       124         4.2.1 Market capitalization, % GDP       ● 0.2       78 ○ ○       7.3 Online creativity       12.5       106         4.2.2 Venture capital (VC) investors, deals/bn PPP\$ GDP       n/a       n/a       7.3.1 Generic top-level domains (TLDs)/th pop. 15-69       0.5       110         4.2.3 VC recipients, deals/bn PPP\$ GDP       0.0       101 ○ ○       7.3.2 Country-code TLDs/th pop. 15-69       0.1       116         4.2.4 VC received, value, % GDP       0.0       63       7.3.3 GitHub commits/mn pop. 15-69       0.9       115         4.3 Trade, diversification, and market scale       30.2       115       7.3.4 Mobile app creation/bn PPP\$ GDP       48.5       102		•						
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4.2.3 VC recipients, deals/bn PPP\$ GDP       0.0       101 ○ ♦       7.3.2 Country-code TLDs/th pop. 15-69       0.1       116         4.2.4 VC received, value, % GDP       0.0       63       7.3.3 GitHub commits/mn pop. 15-69       0.9       115         4.3 Trade, diversification, and market scale       30.2       115       7.3.4 Mobile app creation/bn PPP\$ GDP       48.5       102	•				-	mains (TLDs)/th pop 15-69		
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<b>4.3 Trade, diversification, and market scale</b> 30.2 115 7.3.4 Mobile app creation/bn PPP\$ GDP 48.5 102								
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NOTES: • indicates a strength; O a weakness; • an income group strength;  $\diamond$  an income group weakness; \* an index; \* a survey question, • indicates that the economy's data are older than the base year; see appendices for details, including the year of the data, at https://www.wipo.int/gii-ranking. Square brackets [] indicate that the data minimum coverage (DMC) requirements were not met at the sub-pillar or pillar level.

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### → Data availability

The following tables list indicators that are either missing or outdated for Algeria.



> Algeria has missing data for eleven indicators and outdated data for nineteen indicators.

## > Missing data for Algeria

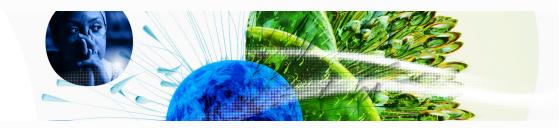
Code	Indicator name	Economy Year	Model Year	Source
1.3.2	Entrepreneurship policies and culture	n/a	2022	Global Entrepreneurship Monitor
2.1.1	Expenditure on education, % GDP	n/a	2021	UNESCO Institute for Statistics
2.1.2	Government funding/pupil, secondary, % GDP/cap	n/a	2019	UNESCO Institute for Statistics
2.1.3	School life expectancy, years	n/a	2020	UNESCO Institute for Statistics
2.1.5	Pupil-teacher ratio, secondary	n/a	2020	UNESCO Institute for Statistics
4.1.1	Finance for startups and scaleups	n/a	2022	Global Entrepreneurship Monitor
4.1.3	Loans from microfinance institutions, % GDP	n/a	2021	International Monetary Fund, Financial Access Survey (FAS)
4.2.2	Venture capital (VC) investors, deals/bn PPP\$ GDP	n/a	2022	Refinitiv; International Monetary Fund
5.1.2	Firms offering formal training, %	n/a	2019	World Bank Enterprise Surveys
6.1.3	Utility models by origin/bn PPP\$ GDP	n/a	2021	World Intellectual Property Organization; International Monetary Fund
7.1.1	Intangible asset intensity, top 15, %	n/a	2022	Brand Finance

### > Outdated data for Algeria

Code	Indicator name	Economy Year	Model Year	Source
1.3.1	Policies for doing business	2019	2022	World Economic Forum, Executive Opinion Survey (EOS)
2.1.4	PISA scales in reading, maths and science	2015	2018	OECD, PISA
2.3.1	Researchers, FTE/mn pop.	2017	2021	UNESCO Institute for Statistics; Eurostat; OECD; RICYT
2.3.2	Gross expenditure on R&D, % GDP	2017	2021	UNESCO Institute for Statistics; Eurostat; OECD; RICYT



Code	Indicator name	Economy Year	Model Year	Source
3.2.1	Electricity output, GWh/mn pop.	2020	2021	International Energy Agency
4.2.1	Market capitalization, % GDP	2018	2020	World Federation of Exchanges; World Bank
4.3.2	Domestic industry diversification	2015	2020	United Nations Industrial Development Organization
5.1.1	Knowledge-intensive employment, %	2017	2022	International Labour Organization
5.1.3	GERD performed by business, % GDP	2017	2021	UNESCO Institute for Statistics; Eurostat; OECD; RICYT
5.1.4	GERD financed by business, %	2017	2020	UNESCO Institute for Statistics; Eurostat; OECD; RICYT
5.1.5	Females employed w/advanced degrees, %	2017	2022	International Labour Organization
5.2.1	University-industry R&D collaboration	2019	2022	World Economic Forum, Executive Opinion Survey (EOS)
5.2.2	State of cluster development	2019	2022	World Economic Forum, Executive Opinion Survey (EOS)
5.2.3	GERD financed by abroad, % GDP	2017	2020	UNESCO Institute for Statistics; Eurostat; OECD; RICYT
5.3.2	High-tech imports, % total trade	2017	2021	United Nations Comtrade Database; World Trade Organization and United Nations Conference on Trade and Development
5.3.5	Research talent, % in businesses	2017	2021	UNESCO Institute for Statistics; Eurostat; OECD; RICYT
6.2.4	High-tech manufacturing, %	2015	2020	United Nations Industrial Development Organization
6.3.3	High-tech exports, % total trade	2017	2021	United Nations Comtrade Database; World Trade Organization and United Nations Conference on Trade and Development; Trade Data Monitor.
7.2.4	Creative goods exports, % total trade	2017	2021	United Nations Comtrade Database; World Trade Organization and United Nations Conference on Trade and Development



### → About the Global Innovation Index

- The Global Innovation Index (GII) is published by the World Intellectual Property Organization (WIPO), a specialized agency of the United Nations.
- Recognizing that innovation is a key driver of economic development, the GII aims to provide an innovation ranking and rich analysis referencing around 130 economies. Over the last decade, the GII has established itself as both a leading reference on innovation and a "tool for action" for economies that incorporate the GII into their innovation agendas.



The Index is a ranking of the innovation capabilities and results of world economies. It measures innovation based on criteria that include institutions, human capital and research, infrastructure, credit, investment, linkages; the creation, absorption and diffusion of knowledge; and creative outputs.

The GII has two sub-indices: the Innovation Input Sub-Index and the Innovation Output Sub-Index, and seven pillars, each consisting of three sub-pillars.