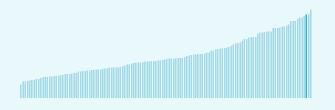


The Global Innovation Index (GII) ranks world economies according to their innovation capabilities.

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

### United States of America ranking in the Global Innovation Index 2023

United States of America ranks 3rd among the 132 economies featured in the GII 2023.



> United States of America ranks 3rd among the 50 highincome group economies.



> United States of America ranks 1st among the 2 economies in Northern America.



#### > United States of America GII Ranking (2020-2023)

The table shows the rankings of United States of America 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 United States of America in the GII 2023 is between ranks 2 and 4.

|      | GII Position |
|------|--------------|
| 2020 | 3rd          |
| 2021 | 3rd          |
| 2022 | 2nd          |
| 2023 | 3rd          |

| Innovation Inputs | Innovation Outputs |
|-------------------|--------------------|
| 4th               | 5th                |
| 3rd               | 4th                |
| 2nd               | 5th                |
| 2nd               | 4th                |

United States of America performs worse in innovation outputs than innovation inputs in 2023.

This year United
States of America
ranks 2nd in
innovation inputs. This
position is the same as
last year.

United States of America ranks 4th in innovation outputs. This position is higher than last year.



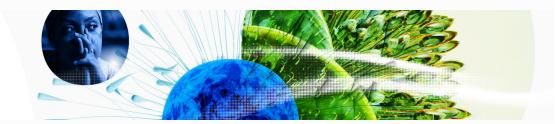
### → Expected vs. observed innovation performance

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.



> United States of America is an innovation leader, ranking in the top 25 of the GII.

# > Innovation overperformers relative to their economic development ↑ GII Score United States of America 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 \$)

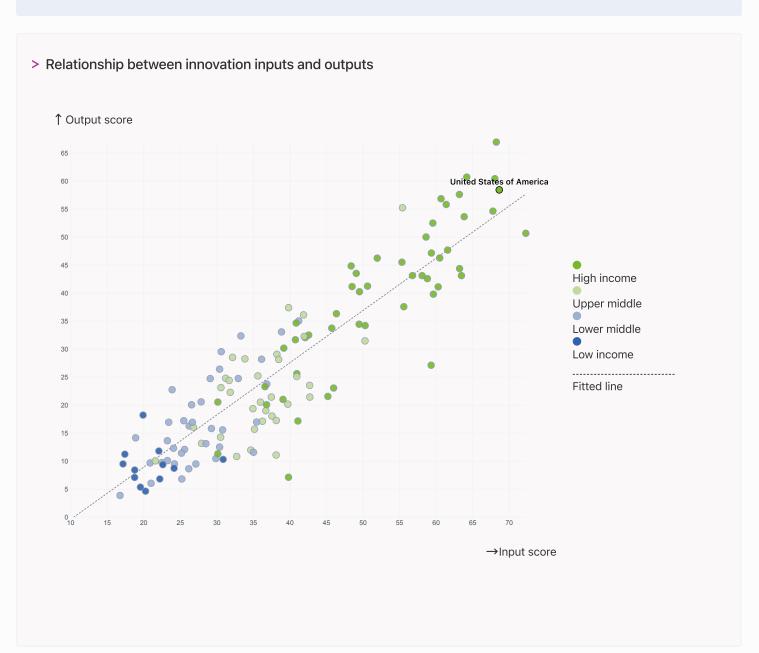


### → Effectively translating innovation investments into innovation outputs

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.



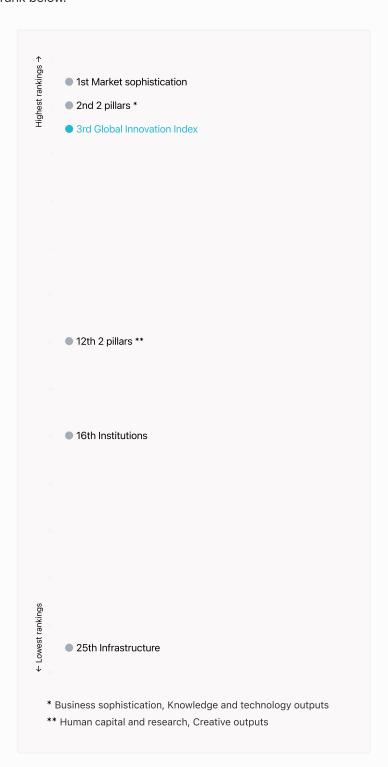
> United States of America produces less innovation outputs relative to its level of innovation investments.





### → Overview of United States of America'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 United States of America are those that rank above the GII (shown in blue) and the weakest are those that rank below.



> Highest rankings



United States of America ranks highest in Market sophistication (1st) and Business sophistication, Knowledge and technology outputs (2nd).

> Lowest rankings



United States of America ranks lowest in Infrastructure (25th), Institutions (16th) and Human capital and research, Creative outputs (12th).

The full WIPO Intellectual Property Statistics profile for United States of America can be found on this link.



→ Benchmark of United States of America against other country groupings for each of the seven areas of the GII Index

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

# > High-Income economies

United States of America performs above the high-income group average in all the pillars.

#### > Northern America

United States of America performs above the regional average in Knowledge and technology outputs, Creative outputs, Business sophistication, Market sophistication, Infrastructure.

Knowledge and technology outputs

United States of America | Score: 63.73

Top 10 | Score: 58.96

Northern America | Score: 53.82

High income | Score: 38.62

Creative outputs

Top 10 | 56.09

United States of America | 53.03

Northern America | 48.88

High income | 40.27

Business sophistication

United States of America | 69.91

Top 10 | 64.39

Northern America | 62.97

High income | 46.38

Market sophistication

United States of America | 82.86

Northern America | 75.48

Top 10 | 61.93

High income | 46.42

Human capital and research

Top 10 | 60.28

Northern America | 57.30

United States of America | 56.54

High income | 46.30

Infrastructure

Top 10 | 62.83

United States of America | 56.70

Northern America | 56.37

High income | 55.85

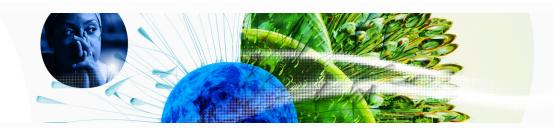
Institutions

**Top 10** | 79.85

Northern America | 77.69

United States of America | 77.36

High income | 68.16



### → Innovation strengths and weaknesses in United States of America

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



2

3

3

3

5.2.1

7.1.3

5.1.3

2.3.2

> United States of America's main innovation strengths are Citable documents H-index (rank 1), Software spending, % GDP (rank 1) and Intangible asset intensity, top 15, % (rank 1).

#### S

University-industry R&D collaboration

GERD performed by business, % GDP

Gross expenditure on R&D, % GDP

Global brand value, top 5,000

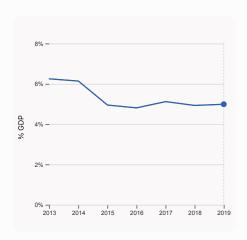
| Strengths |       |  | Weakne | sses  |   |
|-----------|-------|--|--------|-------|---|
| Rank      | Code  | Indicator name                                 | Rank   | Code  | Indicator name                            |
| 1         | 6.1.5 | Citable documents H-index                      | 116    | 3.3.3 | ISO 14001 environment/bn PPP\$ GDP        |
| 1         | 6.2.3 | Software spending, % GDP                       | 104    | 6.3.5 | ISO 9001 quality/bn PPP\$ GDP             |
| 1         | 7.1.1 | Intangible asset intensity, top 15, %          | 91     | 5.3.4 | FDI net inflows, % GDP                    |
| 1         | 1.2.3 | Cost of redundancy dismissal                   | 86     | 7.1.2 | Trademarks by origin/bn PPP\$ GDP         |
| 1         | 4.3.3 | Domestic market scale, bn PPP\$                | 81     | 3.2.3 | Gross capital formation, % GDP            |
| 1         | 7.2.3 | Entertainment and media market/th pop. 15-69   | 73     | 3.3.1 | GDP/unit of energy use                    |
| 1         | 7.3.1 | Generic top-level domains (TLDs)/th pop. 15-69 | 73     | 2.1.5 | Pupil-teacher ratio, secondary            |
| 1         | 6.3.1 | Intellectual property receipts, % total trade  | 70     | 2.2.2 | Graduates in science and engineering, %   |
| 1         | 2.3.4 | QS university ranking, top 3                   | 69     | 7.1.4 | Industrial designs by origin/bn PPP\$ GDP |
| 1         | 2.3.3 | Global corporate R&D investors, top 3, mn US\$ | 68     | 7.3.2 | Country-code TLDs/th pop. 15-69           |
| 1         | 5.2.2 | State of cluster development                   |        |       |   |
| 1         | 6.2.2 | Unicorn valuation, % GDP                       |        |       |   |
| 1         | 4.2.4 | VC received, value, % GDP                      |        |       |   |
| 2         | 4.1.2 | Domestic credit to private sector, % GDP       |        |       |   |
| 2         | 5.3.5 | Research talent, % in businesses               |        |       |   |



### → United States of America's innovation system

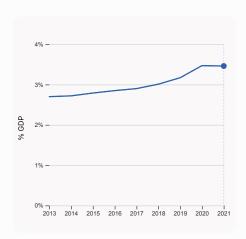
As far as practicable, the plots below present unscaled indicator data.

#### > Innovation inputs in United States of America



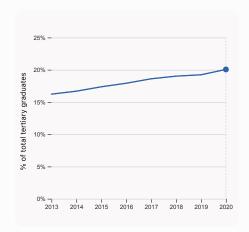
#### 2.1.1 Expenditure on education, % GDP

was equal to 4.99% GDP in 2019, up by 0.06 percentage points from the year prior – and equivalent to an indicator rank of 41.



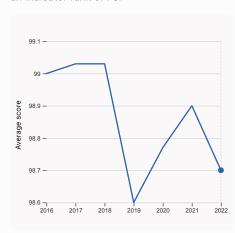
#### 2.3.2 Gross expenditure on R&D, % GDP

was equal to 3.46% GDP in 2021, down by 0.01 percentage points from the year prior – and equivalent to an indicator rank of 3.



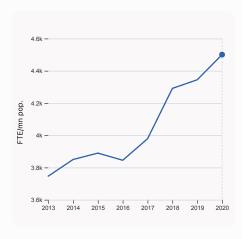
# 2.2.2 Graduates in science and engineering, %

was equal to 20.06% of total tertiary graduates in 2020, up by 0.83 percentage points from the year prior – and equivalent to an indicator rank of 70.



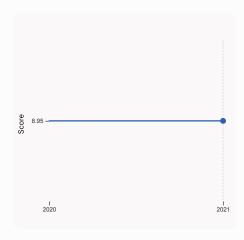
#### 2.3.4 QS university ranking, top 3

was equal to an average score of 98.7 for the top 3 universities in 2022, down by 0.2% from the year prior – and equivalent to an indicator rank of 1.



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

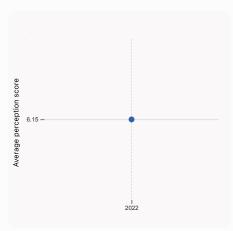
was equal to 4,500.45 FTE/mn pop. in 2020, up by 3.59% from the year prior – and equivalent to an indicator rank of 24.



#### 3.1.1 ICT access

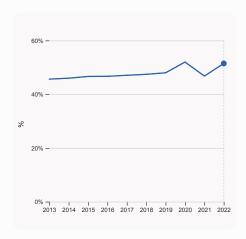
was equal to a score of 8.95 in 2021, with no change from the year prior – and equivalent to an indicator rank of 56.





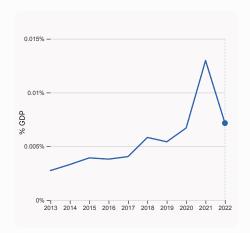


was equal to an average perception score of 6.15 in 2022, equivalent to an indicator rank of 6.



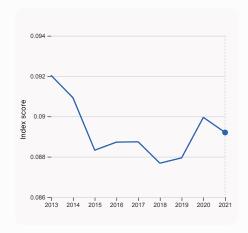
#### 5.1.1 Knowledge-intensive employment, %

was equal to 51.46% in 2022, up by 4.69 percentage points from the year prior – and equivalent to an indicator rank of 9.



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

was equal to 0.00716% GDP in 2022, down by 0.0058 percentage points from the year prior – and equivalent to an indicator rank of 1.

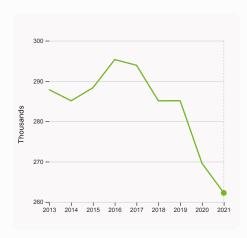


#### 4.3.2 Domestic industry diversification

was equal to an index score of 0.089 in 2021, down by 0.83% from the year prior – and equivalent to an indicator rank of 6.

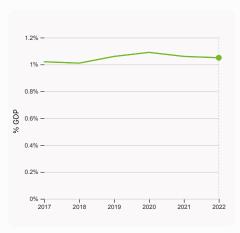


#### > Innovation outputs in United States of America



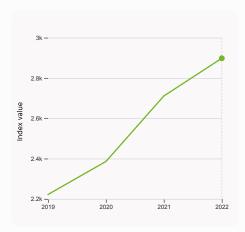
#### 6.1.1 Patents by origin

was equal to 262.24 Thousands in 2021, down by 2.72% from the year prior – and equivalent to an indicator rank of 7.



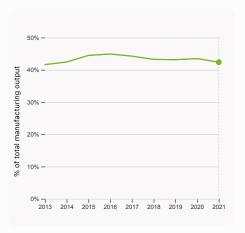
#### 6.2.3 Software spending, % GDP

was equal to 1.05% GDP in 2022, down by 0.01 percentage points from the year prior – and equivalent to an indicator rank of 1.



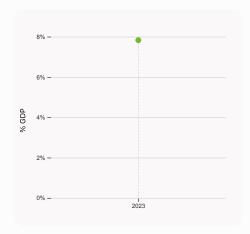
#### 6.1.5 Citable documents H-index

was equal to an index value of 2,898 in 2022, up by 6.9% from the year prior – and equivalent to an indicator rank of 1.



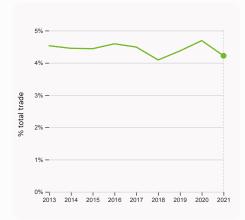
#### 6.2.4 High-tech manufacturing, %

was equal to 42.36% of total manufacturing output in 2021, down by 1.12 percentage points from the year prior – and equivalent to an indicator rank of 24.



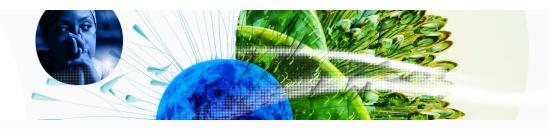
#### 6.2.2 Unicorn valuation, % GDP

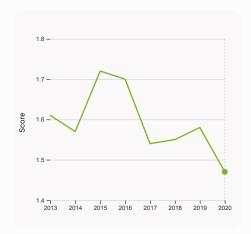
was equal to 7.83 % GDP in 2023 – and equivalent to an indicator rank of 1.



# 6.3.1 Intellectual property receipts, % total trade

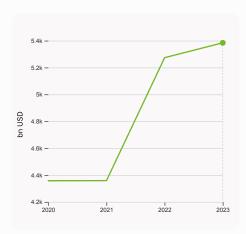
was equal to 4.22% total trade in 2021, down by 0.47 percentage points from the year prior – and equivalent to an indicator rank of 1.





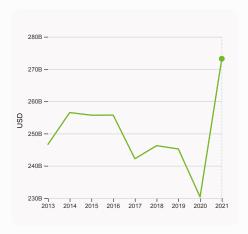


was equal to a score of 1.47 in 2020, down by 6.96% from the year prior – and equivalent to an indicator rank of 12.



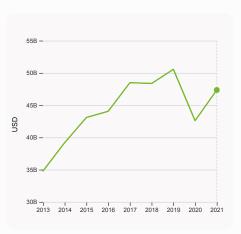
#### 7.1.3 Global brand value, top 5,000

was equal to 5,384.335 bn USD in 2023, up by 2.096% from the year prior – and equivalent to an indicator rank of 3.



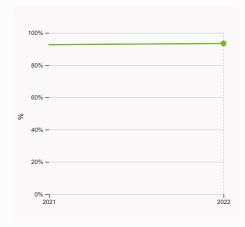
#### 6.3.3 High-tech exports

was equal to 273,205,845,580 USD in 2021, up by 18.61% from the year prior – and equivalent to an indicator rank of 20.



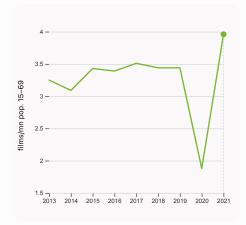
#### 7.2.1 Cultural and creative services exports

was equal to 47,361,054,000 USD in 2021, up by 11.18% from the year prior – and equivalent to an indicator rank of 19.



#### 7.1.1 Intangible asset intensity, top 15, %

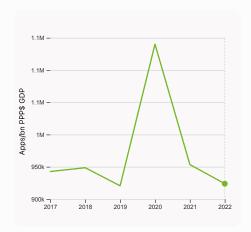
was equal to 93.4% in 2022, up by 0.75 percentage points from the year prior – and equivalent to an indicator rank of 1.



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

was equal to 3.96 films/mn pop. 15–69 in 2021, up by 110.64% from the year prior – and equivalent to an indicator rank of 34.





7.3.4 Mobile app creation/bn PPP\$ GDP

was equal to 923,796.83 Apps/bn PPP\$ GDP in 2022, down by 3.11% from the year prior – and equivalent to an indicator rank of 21.



### → United States of America's innovation top performers

#### > 2.3.3 Global corporate R&D investors from United States of America

| Rank | Firm      | Industry                        | R&D      | R&D Growth | R&D Intensity |
|------|-----------|---------------------------------|----------|------------|---------------|
|      |           |                                 | [mn EUR] | [%]        | [%]           |
| 1    | ALPHABET  | Software & Computer Services    | 27,867   | 14         | 12            |
| 2    | META      | Software & Computer Services    | 21,768   | 34         | 21            |
| 3    | MICROSOFT | Software & Computer Services    | 21,642   | 18         | 12            |
| 5    | APPLE     | Technology Hardware & Equipment | 19,348   | 17         | 6             |

Source: European Commission's Joint Research Centre (https://iri.jrc.ec.europa.eu/scoreboard/2022-eu-industrial-rd-investment-scoreboard). Note: European Commission's Joint Research Centre ranks the top 2,500 firms by R&D investment annually.

### > 2.3.4 QS university ranking of United States of America's top universities

| Rank | University                                  | Score  |
|------|---|--------|
| 1    | MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT) | 100.00 |
| 3    | STANFORD UNIVERSITY                         | 98.50  |
| 5    | HARVARD UNIVERSITY                          | 97.60  |

Source: QS Quacquarelli Symonds Ltd (https://www.topuniversities.com/university-rankings/world-university-rankings/2023).

Note: QS Quacquarelli Symonds Ltd annually assesses over 1,200 universities across the globe and scores them between [0,100]. Ranks can represent a single value "x", a tie "x=" or a range "x-y".

### > 6.2.2 Top Unicorn Companies in United States of America

| Rank | Unicorn Company | Industry | City          | Valuation, bn USD |
|------|-----------------|----------|---------------|-------------------|
| 1    | SPACEX          | Other    | Hawthorne     | 137               |
| 2    | STRIPE          | Fintech  | San Francisco | 50                |
| 3    | EPIC GAMES      | Other    | Cary          | 32                |

Source: CBIn sights, Tracker-The Complete List of Unicorn Companies: https://www.cbinsights.com/research-unicorn-companies



### > 7.1.1 Top 15 intangible-asset intensive companies in United States of America

| Rank | Firm           | Intensity, % |
|------|----------------|--------------|
| 1    | APPLE INC      | 95.84        |
| 2    | MICROSOFT CORP | 93.26        |
| 3    | AMAZON.COM INC | 81.02        |

Source: Brand Finance (https://brandirectory.com/reports/gift-2022). Note: Brand Finance only provides within economy ranks.

### > 7.1.3 Top 5,000 companies in United States of America with highest global brand value

| Rank | Brand  | Industry    | Brand Value, mn USD |
|------|--------|-------------|---------------------|
| 1    | AMAZON | Retail      | 299,280.0           |
| 2    | APPLE  | Electronics | 297,511.8           |
| 3    | GOOGLE | Media       | 281,382.0           |

Source: Brand Finance (https://brandirectory.com). Note: Rank corresponds to within economy ranks.

4.3.2 Domestic industry diversification

4.3.3 Domestic market scale, bn PPP\$



GII 2023 rank

3

# **United States of America**

| Output rank            | Input rank Income                     | Regi                | on        | Population (mn)                                   | GDP, PPP\$ (bn)                    | GDP per cap      | ita, PPP\$    |
|------------------------|---------------------------------------|---------------------|-----------|---|------------------------------------|------------------|---------------|
| 4                      | 2 High                                | NA                  |           | 338.3   | 25,035.2                           | 75,179           |               |
|                        |                                       | Score / Valu        | e Rank    |   |                                    | Score / Value    | Rank          |
|                        |                                       | 77.4                | 16        | Business sophis                                   | tication                           | 69.9             | 2             |
| 1.1 Institutional en   | vironment                             | 69.1                | 27        | 5.1 Knowledge workers                             | 6                                  | 76.8             | 2             |
| 1.1.1 Operational sta  | bility for businesses*                | 64.6                | 37        | 5.1.1 Knowledge-intensiv                          |                                    | 51.5             | 9             |
| 1.1.2 Government ef    | fectiveness*                          | 73.6                | 21        | 5.1.2 Firms offering form                         | nal training, %                    | n/a              | n/a           |
| 1.2 Regulatory env     | ironment                              | 90.2                | 11        | 5.1.3 GERD performed b                            | y business, % GDP                  | 2.7              | 3 •           |
| 1.2.1 Regulatory qua   | lity*                                 | 79.8                | 18        | 5.1.4 GERD financed by                            | business, %                        | 67.9             | 6             |
| 1.2.2 Rule of law*     |                                       | 81.2                | 20        | 5.1.5 Females employed                            | w/advanced degrees, %              | 27.9             | 9             |
| 1.2.3 Cost of redund   | lancy dismissal                       | 8.0                 | 1 •       | 5.2 Innovation linkages                           | 6                                  | 75.8             | 4             |
| 1.3 Business enviro    | onment                                | 72.7                | 21        | 5.2.1 University-industry                         | R&D collaboration <sup>†</sup>     | 99.9             | 2 •           |
| 1.3.1 Policies for doi | ng business†                          | 81.4                | 7         | 5.2.2 State of cluster de                         | velopment <sup>†</sup>             | 100.0            | 1 •           |
| 1.3.2 Entrepreneurs    | nip policies and culture <sup>†</sup> | 64.0                | 18        | 5.2.3 GERD financed by                            | abroad, % GDP                      | 0.2              | 15            |
| D Human canit          | cal and research                      | 56 F                | 12        | 5.2.4 Joint venture/strat                         | egic alliance deals/bn PPP\$ GDP   | 0.2              | 5             |
| - Human Capit          | al and research                       | 56.5                | 12        | 5.2.5 Patent families/bn                          | PPP\$ GDP                          | 3.3              | 12            |
| 2.1 Education          |                                       | 58.3                | 45        | 5.3 Knowledge absorp                              | tion                               | 57.2             | 5             |
| 2.1.1 Expenditure on   | education, % GDP                      | <b>⑤</b> 5.0        | 41        | 5.3.1 Intellectual propert                        | y payments, % total trade          | 1.6              | 20            |
| 2.1.2 Government fu    | nding/pupil, secondary, % GDP/cap     | 22.6                | 36        | 5.3.2 High-tech imports,                          | , % total trade                    | 18.5             | 9             |
| 2.1.3 School life exp  | ectancy, years                        | 16.3                | 31        | 5.3.3 ICT services impor                          | ts, % total trade                  | 1.5              | 60            |
| 2.1.4 PISA scales in   | reading, maths and science            | 495.3               | 24        | 5.3.4 FDI net inflows, %                          | GDP                                | 1.4              | 91 🔾          |
| 2.1.5 Pupil-teacher r  | atio, secondary                       | 14.5                | 73 ○ ◊    | 5.3.5 Research talent, %                          | in businesses                      | <b>©</b> 80.4    | 2 •           |
| 2.2 Tertiary educat    | tion                                  | 34.1                | 53        | ✓ Knowledge and to                                | technology outputs                 | 63.7             | 2             |
| 2.2.1 Tertiary enrolm  | nent, % gross                         | 87.6                | 14        | V Knowicage and                                   | ceemology outputs                  | 00.7             |               |
| 2.2.2 Graduates in s   | cience and engineering, %             | 20.1                | 70 🔾      | 6.1 Knowledge creation                            | n                                  | 61.2             | 8             |
| 2.2.3 Tertiary inbour  | nd mobility, %                        | 5.1                 | 47        | 6.1.1 Patents by origin/bi                        | n PPP\$ GDP                        | 11.4             | 7             |
| 2.3 Research and o     | levelopment (R&D)                     | 77.2                | 2         | 6.1.2 PCT patents by original                     | gin/bn PPP\$ GDP                   | 2.4              | 13            |
| 2.3.1 Researchers, F   | TE/mn pop.                            | <b>4</b> ,500.5     | 24        | 6.1.3 Utility models by o                         | rigin/bn PPP\$ GDP                 | n/a              | n/a           |
|                        | ture on R&D, % GDP                    | 3.5                 | 3 ●       |   | nical articles/bn PPP\$ GDP        | n/a              | n/a           |
| · ·                    | ate R&D investors, top 3, mn US\$     | 100.0               | 1 •       | 6.1.5 Citable documents                           |                                    | 100.0            | 1 •           |
| 2.3.4 QS university i  | ranking, top 3*                       | 100.0               | 1 •       | 6.2 Knowledge impact                              |                                    | 77.6             | 1             |
| ¢₀ Infrastructur       | re                                    | 56.7                | 25        | 6.2.1 Labor productivity                          | = '                                | 1.4              | 50            |
| waot.aota.             | <u> </u>                              | 00                  |           | 6.2.2 Unicorn valuation,                          |                                    | 7.8              | 1 •           |
|                        | d communication technologies (ICTs)   | 90.6                | 11        | 6.2.3 Software spending                           |                                    | 1.0              | 1 •           |
| 3.1.1 ICT access*      |                                       | 84.4                | 56        | 6.2.4 High-tech manufac                           |                                    | 42.4             | 24            |
| 3.1.2 ICT use*         |                                       | 95.0                | 11        | 6.3 Knowledge diffusion                           |                                    | 52.5             | 14            |
| 3.1.3 Government's     |                                       | 92.3                | 9         | 6.3.1 Intellectual propert                        |                                    | 4.4              | 1 •           |
| 3.1.4 E-participation  |                                       | 90.7                | 10        | 6.3.2 Production and exp                          |                                    | 83.4             | 12            |
| 3.2 General infrast    |                                       | 53.7                | 12        | 6.3.3 High-tech exports,                          |                                    | 9.2              | 20            |
| 3.2.1 Electricity outp |                                       | 13,154.8            | 9         | 6.3.4 ICT services expor                          |                                    | 2.0<br>1.1       | 57<br>104 ○ ◊ |
| 3.2.2 Logistics perfo  |                                       | 77.3                | 16        | 6.3.5 ISO 9001 quality/b                          | II PPP\$ GDP                       | 1.1              | 104 0 0       |
| 3.2.3 Gross capital f  |                                       | 22.0<br><b>25.8</b> | 81 0      | Creative outputs                                  |                                    | 53.0             | 12            |
| 3.3 Ecological sust    |                                       | <b>25.8</b> 9.7     | <b>62</b> | 71 Intermible secoto                              |                                    | E2.2             | 21            |
| 3.3.1 GDP/unit of en   |                                       | 54.6                | 36        | 7.1 Intangible assets 7.1.1 Intangible asset into | anaity tan 15 0/                   | <b>52.2</b> 93.4 | 1 •           |
| 3.3.2 Environmental    | ironment/bn PPP\$ GDP                 | 0.2                 | 116 ○ ◊   | 7.1.2 Trademarks by orig                          | ** ' '                             | 24.0             | 86 ○ ♦        |
| 3.3.3 130 14001 env    | поппенцы ггг ф обг                    | 0.2                 | 110 0 0   | 7.1.2 Hademarks by ong                            | •                                  | 20.6             | 3 ●           |
| Магкеt sophi           | stication                             | 82.9                | 1         | 7.1.4 Industrial designs b                        |                                    | 1.0              | 69 ○ ◊        |
| 4.1 Credit             |                                       | 83.5                | 2         | 7.2 Creative goods and                            | l services                         | 47.3             | 5             |
| 4.1.1 Finance for sta  | rtups and scaleups <sup>†</sup>       | 83.9                | 6         | 7.2.1 Cultural and creativ                        | ve services exports, % total trade | 1.6              | 19            |
| 4.1.2 Domestic cred    | it to private sector, % GDP           | 216.2               | 2 •       | 7.2.2 National feature file                       | ms/mn pop. 15-69                   | 4.0              | 34            |
| 4.1.3 Loans from mid   | crofinance institutions, % GDP        | n/a                 | n/a       | 7.2.3 Entertainment and                           | media market/th pop. 15-69         | 100.0            | 1 ●           |
| 4.2 Investment         |                                       | 68.8                | 4         | 7.2.4 Creative goods exp                          | oorts, % total trade               | 2.7              | 20            |
| 4.2.1 Market capitali  | zation, % GDP                         | 166.7               | 7         | 7.3 Online creativity                             |                                    | 60.4             | 13            |
| 4.2.2 Venture capita   | l (VC) investors, deals/bn PPP\$ GDP  | 0.4                 | 13        | ·   | omains (TLDs)/th pop. 15-69        | 100.0            | 1 •           |
| 4.2.3 VC recipients,   | deals/bn PPP\$ GDP                    | 0.3                 | 6         | 7.3.2 Country-code TLD                            |                                    | 2.3              | 68 ○ ◊        |
| 4.2.4 VC received, v   | alue, % GDP                           | 0.0                 | 1 ●       | 7.3.3 GitHub commits/m                            |                                    | 63.7             | 11            |
| 4.3 Trade, diversif    | ication, and market scale             | 96.3                | 1         | 7.3.4 Mobile app creation                         | n/bn PPP\$ GDP                     | 75.7             | 21            |
|                        | ate, weighted avg., %                 | 1.5                 | 49        |   |                                    |                  |               |
| 4.2.2 Domostic indu    | etry diversification                  | 007                 | C         |   |                                    |                  |               |

98.7

25,035.2



### → Data availability

The following tables list indicators that are either missing or outdated for United States of America.



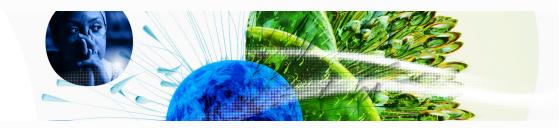
> United States of America has missing data for three indicators and outdated data for three indicators.

### > Missing data for United States of America

| Code  | Indicator name                              | Economy<br>Year | Model<br>Year | Source   |
|-------|---|-----------------|---------------|--|
| 4.1.3 | Loans from microfinance institutions, % GDP | n/a             | 2021          | International Monetary Fund, Financial Access<br>Survey (FAS)            |
| 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;<br>International Monetary Fund |

#### > Outdated data for United States of America

| Code  | Indicator name                   | Economy Year | Model Year | Source   |
|-------|----------------------------------|--------------|------------|--|
| 2.1.1 | Expenditure on education, % GDP  | 2019         | 2021       | UNESCO Institute for Statistics                        |
| 2.3.1 | Researchers, FTE/mn pop.         | 2020         | 2021       | UNESCO Institute for Statistics; Eurostat; OECD; RICYT |
| 5.3.5 | Research talent, % in businesses | 2020         | 2021       | UNESCO Institute for Statistics; Eurostat; OECD; RICYT |



#### → 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.