# QATAR

GII 2019 rank

**65**

| Output rank | Input rank | Income | Region | Population (mn) | GDP, PPP$ | GDP per capita, PPP$ | GII 2018 rank |
|---|---|---|---|---|---|---|---|
| **70** | **53** | **High** | **NAWA** | **2.7** | **356.7** | **130,475.1** | **51** |

| | | Score/Value | Rank | |
|---|---|---|---|---|
| **INSTITUTIONS** | | **66.2** | **53** | ◇ |
| **1.1** | **Political environment** | **67.6** | **40** | |
| 1.1.1 | Political and operational stability* | 73.7 | 50 | ◇ |
| 1.1.2 | Government effectiveness* | 64.5 | 39 | |
| **1.2** | **Regulatory environment** | **68.1** | **62** | ◇ |
| 1.2.1 | Regulatory quality* | 53.2 | 51 | ◇ |
| 1.2.2 | Rule of law* | 65.5 | 35 | |
| 1.2.3 | Cost of redundancy dismissal, salary weeks | 23.2 | 97 | ◇ |
| **1.3** | **Business environment** | **62.9** | **91** | ◇ |
| 1.3.1 | Ease of starting a business* | 87.7 | 68 | |
| 1.3.2 | Ease of resolving insolvency* | 38.1 | 104 | ◇ |
| **HUMAN CAPITAL & RESEARCH** | | **28.9** | **70** | ◇ |
| **2.1** | **Education** | **31.9** | **105** | ◇ |
| 2.1.1 | Expenditure on education, % GDP | 2.9 | 106 | ○ ◇ |
| 2.1.2 | Government funding/pupil, secondary, % GDP/cap. | 10.5 | 95 | ○ ◇ |
| 2.1.3 | School life expectancy, years | 11.9 | 91 | ◇ |
| 2.1.4 | PISA scales in reading, maths, & science | 407.3 | 60 | |
| 2.1.5 | Pupil-teacher ratio, secondary | 10.4 | 34 | |
| **2.2** | **Tertiary education** | **47.5** | **19** | ● |
| 2.2.1 | Tertiary enrolment, % gross | 16.4 | 98 | ◇ |
| 2.2.2 | Graduates in science & engineering, % | 22.9 | 43 | |
| 2.2.3 | Tertiary inbound mobility, % | 35.3 | 1 | ● ◆ |
| **2.3** | **Research & development (R&D)** | **7.2** | **68** | ◇ |
| 2.3.1 | Researchers, FTE/mn pop. | 603.8 | 63 | ◇ |
| 2.3.2 | Gross expenditure on R&D, % GDP | 0.5 | 63 | |
| 2.3.3 | Global R&D companies, avg. exp. top 3, mn US$ | 0.0 | 43 | ○ ◇ |
| 2.3.4 | QS university ranking, average score top 3* | 10.7 | 62 | |
| **INFRASTRUCTURE** | | **58.0** | **28** | ● |
| **3.1** | **Information & communication technologies(ICTs)** | **75.0** | **44** | |
| 3.1.1 | ICT access* | 78.9 | 32 | |
| 3.1.2 | ICT use* | 70.7 | 32 | |
| 3.1.3 | Government's online service* | 79.2 | 48 | |
| 3.1.4 | E-participation* | 71.4 | 65 | ◇ |
| **3.2** | **General infrastructure** | **62.3** | **3** | ● ◆ |
| 3.2.1 | Electricity output, kWh/mn pop. | 16,461.9 | 6 | ● ◆ |
| 3.2.2 | Logistics performance* | 66.0 | 29 | ● |
| 3.2.3 | Gross capital formation, % GDP | n/a | n/a | |
| **3.3** | **Ecological sustainability** | **36.8** | **72** | ◇ |
| 3.3.1 | GDP/unit of energy use | 7.0 | 86 | |
| 3.3.2 | Environmental performance* | 67.8 | 31 | ● |
| 3.3.3 | ISO 14001 environmental certificates/bn PPP$ GDP | 1.3 | 60 | |
| **MARKET SOPHISTICATION** | | **44.7** | **82** | ◇ |
| **4.1** | **Credit** | **38.1** | **59** | |
| 4.1.1 | Ease of getting credit* | 40.0 | 104 | ○ ◇ |
| 4.1.2 | Domestic credit to private sector, % GDP | 77.3 | 40 | |
| 4.1.3 | Microfinance gross loans, % GDP | n/a | n/a | |
| **4.2** | **Investment** | **31.6** | **114** | ○ ◇ |
| 4.2.1 | Ease of protecting minority investors* | 28.3 | 127 | ○ ◇ |
| 4.2.2 | Market capitalization, % GDP | 89.5 | 16 | ● |
| 4.2.3 | Venture capital deals/bn PPP$ GDP | n/a | n/a | |
| **4.3** | **Trade, competition, & market scale** | **64.4** | **55** | |
| 4.3.1 | Applied tariff rate, weighted avg., % | 4.2 | 76 | |
| 4.3.2 | Intensity of local competition† | 65.6 | 79 | |
| 4.3.3 | Domestic market scale, bn PPP$ | 356.7 | 49 | |

| | | Score/Value | Rank | |
|---|---|---|---|---|
| **BUSINESS SOPHISTICATION** | | **30.2** | **67** | ◇ |
| **5.1** | **Knowledge workers** | **17.3** | **113** | ○ ◇ |
| 5.1.1 | Knowledge-intensive employment, % | 18.1 | 80 | ◇ |
| 5.1.2 | Firms offering formal training, % firms | n/a | n/a | |
| 5.1.3 | GERD performed by business, % GDP | 0.1 | 63 | ◇ |
| 5.1.4 | GERD financed by business, % | 7.1 | 76 | ◇ |
| 5.1.5 | Females employed w/advanced degrees, % | 4.5 | 92 | ◇ |
| **5.2** | **Innovation linkages** | **27.6** | **54** | |
| 5.2.1 | University/industry research collaboration† | 64.8 | 17 | ● |
| 5.2.2 | State of cluster development† | 65.4 | 15 | ● |
| 5.2.3 | GERD financed by abroad, % | 1.9 | 79 | ◇ |
| 5.2.4 | JV-strategic alliance deals/bn PPP$ GDP | 0.0 | 38 | |
| 5.2.5 | Patent families 2+ offices/bn PPP$ GDP | 0.0 | 68 | |
| **5.3** | **Knowledge absorption** | **45.7** | **25** | ● |
| 5.3.1 | Intellectual property payments, % total trade | n/a | n/a | |
| 5.3.2 | High-tech imports, % total trade | 6.6 | 82 | |
| 5.3.3 | ICT services imports, % total trade | 3.9 | 3 | ● ◆ |
| 5.3.4 | FDI net inflows, % GDP | 0.6 | 116 | ○ |
| 5.3.5 | Research talent, % in business enterprise | 18.6 | 57 | ◇ |
| **KNOWLEDGE & TECHNOLOGY OUTPUTS** | | **18.4** | **80** | ◇ |
| **6.1** | **Knowledge creation** | **5.1** | **97** | ◇ |
| 6.1.1 | Patents by origin/bn PPP$ GDP | 0.1 | 115 | ○ |
| 6.1.2 | PCT patents by origin/bn PPP$ GDP | 0.0 | 78 | ◇ |
| 6.1.3 | Utility models by origin/bn PPP$ GDP | n/a | n/a | |
| 6.1.4 | Scientific & technical articles/bn PPP$ GDP | 4.2 | 90 | ◇ |
| 6.1.5 | Citable documents H-index | 6.6 | 85 | ◇ |
| **6.2** | **Knowledge impact** | **32.3** | **84** | |
| 6.2.1 | Growth rate of PPP$ GDP/worker, % | -1.8 | 106 | ○ ◇ |
| 6.2.2 | New businesses/th pop. 15-64 | 1.7 | 56 | |
| 6.2.3 | Computer software spending, % GDP | 0.3 | 31 | ● |
| 6.2.4 | ISO 9001 quality certificates/bn PPP$ GDP | 2.3 | 84 | ◇ |
| 6.2.5 | High- & medium-high-tech manufactures, % | 0.4 | 23 | ● |
| **6.3** | **Knowledge diffusion** | **17.9** | **59** | |
| 6.3.1 | Intellectual property receipts, % total trade | n/a | n/a | |
| 6.3.2 | High-tech net exports, % total trade | 0.0 | 128 | ○ ◇ |
| 6.3.3 | ICT services exports, % total trade | 0.8 | 85 | |
| 6.3.4 | FDI net outflows, % GDP | 2.9 | 24 | ● |
| **CREATIVE OUTPUTS** | | **25.8** | **70** | ◇ |
| **7.1** | **Intangible assets** | **43.6** | **54** | |
| 7.1.1 | Trademarks by origin/bn PPP$ GDP | 3.3 | 120 | ○ ◇ |
| 7.1.2 | Industrial designs by origin/bn PPP$ GDP | n/a | n/a | |
| 7.1.3 | ICTs & business model creation† | 66.7 | 44 | |
| 7.1.4 | ICTs & organizational model creation† | 63.9 | 33 | |
| **7.2** | **Creative goods & services** | **13.1** | **75** | ◇ |
| 7.2.1 | Cultural & creative services exports, % total trade | 0.3 | 62 | |
| 7.2.2 | National feature films/mn pop. 15-69 | n/a | n/a | |
| 7.2.3 | Entertainment & Media market/th pop. 15-69 | 25.7 | 25 | |
| 7.2.4 | Printing & other media, % manufacturing | 1.2 | 55 | |
| 7.2.5 | Creative goods exports, % total trade | 0.2 | 88 | |
| **7.3** | **Online creativity** | **3.0** | **78** | ◇ |
| 7.3.1 | Generic top-level domains (TLDs)/th pop. 15-69 | 3.7 | 60 | ◇ |
| 7.3.2 | Country-code TLDs/th pop. 15-69 | 2.4 | 61 | |
| 7.3.3 | Wikipedia edits/mn pop. 15-69 | 8.4 | 66 | ◇ |
| 7.3.4 | Mobile app creation/bn PPP$ GDP | 0.3 | 78 | |

NOTES: ● indicates a strength; ○ a weakness; ◆ an income group strength; ◇ an income group weakness; * an index; † a survey question. 🕘 indicates that the economy's data are older than the base year; see Appendix II for details, including the year of the data, at http://globalinnovationindex.org. Square brackets [ ] indicate that the data minimum coverage (DMC) requirements were not met at the sub-pillar or pillar level.