## SPAIN

### GII 2020 rank

<table>
<thead>
<tr>
<th>Output rank</th>
<th>Input rank</th>
<th>Income</th>
<th>Region</th>
<th>Population (mn)</th>
<th>GDP, PPP$</th>
<th>GDP per capita, PPP$</th>
<th>GII 2019 rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>27</td>
<td>27</td>
<td>High</td>
<td>EUR</td>
<td>46.7</td>
<td>1,940.5</td>
<td>36,311.3</td>
<td>29</td>
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</table>

### INSTITUTIONS

<table>
<thead>
<tr>
<th>Score/Value</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>77.3</td>
<td>31</td>
</tr>
</tbody>
</table>

1.1 Political environment

1.1.1 Political and operational stability

1.1.2 Government effectiveness

1.2 Regulatory environment

1.2.1 Regulatory quality

1.2.2 Rule of law

1.2.3 Cost of redundancy dismissal, salary weeks

1.3 Business environment

1.3.1 Ease of starting a business

1.3.2 Ease of resolving insolvency

### HUMAN CAPITAL & RESEARCH

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>46.5</td>
<td>27</td>
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</table>

2.1 Education

2.1.1 Expenditure on education, % GDP

2.1.2 Government funding/pupil, secondary, % GDP/cap.

2.1.3 School life expectancy, years

2.1.4 PISA scales in reading, math, & science

2.1.5 Pupil-teacher ratio, secondary

2.2 Tertiary education

2.2.1 Tertiary enrolment, % gross

2.2.2 Graduates in science & engineering, %

2.2.3 Tertiary inmobility, %

2.3 Research & development (R&D)

2.3.1 Researchers, FTE/mn pop.

2.3.2 Gross expenditure on R&D, % GDP

2.3.3 Global R&D companies, avg. exp. top 3, mn $US

2.3.4 QS university ranking, average score top 3

### INFRASTRUCTURE

<table>
<thead>
<tr>
<th>Score/Value</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>

3.1 Information & communication technologies (ICTs)

3.1.1 ICT access

3.1.2 ICT use

3.1.3 Government’s online service

3.1.4 E-participation

3.2 General infrastructure

3.2.1 Electricity output, kWh/mn pop.

3.2.2 Logistics performance

3.2.3 Gross capital formation, % GDP

3.3 Ecological sustainability

3.3.1 GDP/unit of energy use

3.3.2 Environmental performance

3.3.3 ISO 14001 environmental certificate/bn PPP$ GDP

### MARKET SOPHISTICATION

<table>
<thead>
<tr>
<th>Score/Value</th>
<th>Rank</th>
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</thead>
<tbody>
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</tbody>
</table>

4.1 Credit

4.1.1 Ease of getting credit

4.1.2 Domestic credit to private sector, % GDP

4.1.3 Microfinance gross loans, % GDP

4.2 Investment

4.2.1 Ease of protecting minority investors

4.2.2 Market capitalization, % GDP

4.2.3 Venture capital deals/bn PPP$ GDP

4.3 Trade, competition, and market scale

4.3.1 Applied tariff rate, weighted avg.

4.3.2 Electricity and coal competition

4.3.3 Domestic market scale, bn PPP$ GDP

### BUSINESS SOPHISTICATION

<table>
<thead>
<tr>
<th>Score/Value</th>
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<tbody>
<tr>
<td>35.3</td>
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</table>

5.1 Knowledge workers

5.2 Innovation linkages

5.3 Knowledge absorption

### KNOWLEDGE & TECHNOLOGY OUTPUTS

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</thead>
<tbody>
<tr>
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<td>24</td>
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</table>

6.1 Knowledge creation

6.2 Knowledge impact

6.3 Knowledge diffusion

### CREATIVE OUTPUTS

<table>
<thead>
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<th>Rank</th>
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</thead>
<tbody>
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</table>

7.1 Intangible assets

7.2 Creative goods and services

7.3 Online creativity

### 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 (MMC) requirements were not met at the sub-pillar or pillar level.