# World Economic Forum's Global Competitiveness Report Indicators

2018

# **Global Competitiveness Factors, 2018**





#### **Pillar 1: INSTITUTIONS**

- 1. Business costs of organized crime
- 2. Homicide rate
- 3. Terrorism incidence
- 4. Reliability of police services
- 5. Social capital
- 6. Budget transparency
- 7. Judicial independence
- 8. Efficiency of legal framework in challenging regulations
- 9. Freedom of the press
- 10. Burden of government regulation
- 11. Efficiency of legal framework in setting disputes
- 12. E-Participation

#### **Pillar 1: INSTITUTIONS**

- 13. Future orientation of government
- 14. Incidence of corruption
- 15. Property rights
- 16. Intellectual property protection
- 17. Quality of land administration
- 18. Strength of auditing and reporting standards
- 19. Conflict of interest regulation
- 20. Shareholder governance



## **Pillar 2: INFRASTRUCTURE**

- 1. Quality of road network
- 2. Quality of road infrastructure
- 3. Railroad density
- 4. Efficiency of train services
- 5. Airport connectivity
- 6. Efficiency of air transport services
- 7. Liner shipping connectivity
- 8. Efficiency of seaport services
- 9. Electricity access
- 10. Electricity quality
- 11. Exposure to unsafe drinking water
- 12. Reliability of water supply



#### **Pillar 3: ICT ADOPTION**

# **Subpillars**

- 1. Mobile-cellular telephone subscriptions
- 2. Mobile-broadband subscriptions
- 3. Fixed-broadband internet subscriptions
- 4. Fiber internet subscriptions
- 5. Internet users



# Pillar 4: Macroeconomic stability

# **Subpillars**

- 1. Inflation
- 2. Debt dynamics



### Pillar 5: Health

1. Healthy life expectancy

#### Pillar 6: SKILLS

- 1. Mean years of schooling
- 2. Extent of staff training
- 3. Quality of vocational training
- 4. Skillset of graduates
- 5. Digital skills among active population
- 6. Ease of finding skilled employees
- 7. School life expectancy
- 8. Critical thinking in teaching
- 9. Pupil-to-teacher ratio in primary education



## **Pillar 7: PRODUCT MARKET**

- 1. Distortive effect of taxes and subsidies on competition
- 2. Extent of market dominance
- 3. Competition in services
- 4. Prevalence of non-tariff barriers
- 5. Trade tariffs
- 6. Complexity of tariffs
- 7. Border clearance efficiency
- 8. Service trade openness



#### **Pillar 8: LABOR MARKET**

- 1. Redundancy costs
- 2. Hiring and firing practices
- 3. Cooperation in labour-employer relations
- 4. Flexibility of wage determination
- 5. Active labour policies
- 6. Workers' rights
- 7. Ease of hiring foreign labour
- 8. Internal labour mobility
- 9. Reliance on professional management
- 10. Pay and productivity
- 11. Female participation in labour force
- 12. Labour tax rate



#### **Pillar 9: FINANCIAL SYSTEM**

- 1. Domestic credit to private sector
- 2. Financing of SMEs
- 3. Venture capital availability
- 4. Market capitalization
- 5. Insurance premiums
- 6. Soundness of banks
- 7. Non-performing loans
- 8. Credit gap
- 9. Banks' regulatory capital ratio



#### **Pillar 10: MARKET SIZE**

#### **Subpillars**

- 1. Gross domestic product
- 2. Imports of goods and services



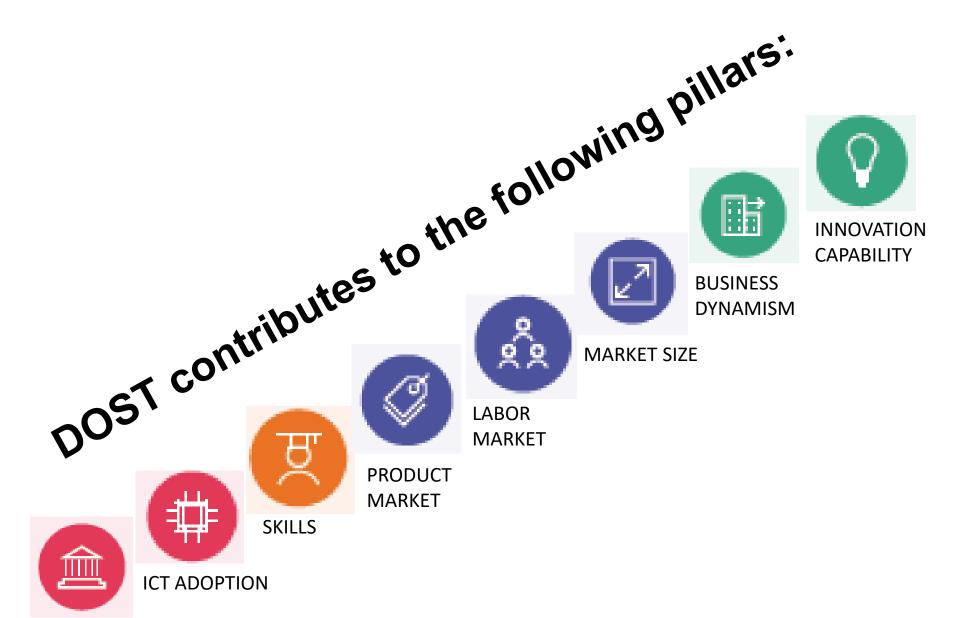
#### **Pillar 11: BUSINESS DYNAMISM**

- 1. Cost of starting a business
- 2. Time to start a business
- 3. Insolvency recovery rate
- 4. Insolvency regulatory framework
- 5. Attitudes toward entrepreneurial risk
- 6. Willingness to delegate authority
- 7. Growth of innovative companies
- 8. Companies embracing disruptive ideas



#### **Pillar 12: INNOVATION CAPABILITY**

- 1. Diversity of workforce
- 2. State of clusters development
- 3. International co-inventions
- 4. Multistakeholder collaboration
- 5. Scientific publications
- 6. Patent applications
- 7. R&D expenditures
- 8. Research institutions prominence index
- 9. Buyer sophistication
- 10. Trademark applications



**INSTITUTIONS** 

#### **Pillar 1: INSTITUTIONS**

# Indicator Ranking (Raw score/Data) 1) E-Participation 19/140\* (0.94)

- Score on the E-Participation Index, which assesses the use of online services to facilitate the provision of information by governments to citizens.
- ❖ The scale ranges from 0 to 1 (best).
- The index measures the use of online services to facilitate provision of information by governments to citizens ("e-information sharing"), interaction with stakeholders ("e-consultation") and engagement in decision-making processes ("e-decision making").

# 2) Property rights 65/140\* (4.4)

- Executive Opinion Survey with question asked: "In your country, to what extent are property rights, including financial assets, protected?"
- Experts ranked 1 to 7 according to their perception giving a score of 1 as not at all and 7 as to a great extent.

\*Philippine rank over the number of countries Note: Scores are enclosed in parenthesis

# Indicator Ranking (Raw score/Data)

3) Intellectual property protection

52/140\* (4.4)

- Executive Opinion Survey with question asked: "In your country, to what extent is intellectual property protected?"
- Experts ranked 1 to 7 according to their perception giving a score of 1 as not at all and 7 as to a great extent.

#### **Pillar 3: ICT ADOPTION**

# Indicator Ranking (Raw score/Data) 1) Mobile-cellular telephone 84/140\* (110.4)

- Number of mobile-cellular telephone subscriptions per 100 population.
- This indicator includes post-paid subscriptions, active prepaid accounts, and all mobile-cellular subscriptions that offer voice communications.

2)	Mobile-broadband subscriptions	70/140*
		(68.6)

- ❖ Number of active mobile-broadband subscriptions per 100 population
- This indicator includes standard mobile-broadband subscriptions and dedicated mobile-broadband data subscriptions to the public internet.

#### **Indicator**

# Ranking (Raw score/Data)

3) Fixed-broadband internet subscriptions

96/140\* (3.2)

- Number of fixed-broadband internet subscriptions per 100 population.
- This indicator refers to the number of subscriptions for high-speed access to the public internet (a TCP/IP connection), including cable modem, DSL, fiber, and other fixed (wired)-broadband technologies such as Ethernet, LAN and broadband over powerline communications.

#### 4) Fiber internet subscriptions

Not available

- ❖ Fiber-to-the-home/building internet subscriptions per 100 population.
- This indicator refers to the number of internet subscriptions using fiber-to-the-home or fiber-to-the-building at downstream speeds equal to or greater than 256 kb/s.

#### 5) Internet users

76/140\* (55.5)

Percentage of individuals who used the internet from any location and for any purpose, irrespective of the device and network used, in the last three months.

Note: Scores are enclosed in parenthesis

<sup>\*</sup>Philippine rank over the number of countries

#### Pillar 6: SKILLS

# Indicator Ranking (Raw score/Data) 1) Skillset of graduates 27/140\* (4.8)

- Average score of the following two Executive Opinion Survey questions asked: "In your country, to what extent do graduating students from secondary education possess the skills needed by businesses" and "In your country, to what extent do graduating students from university possess the skills needed by businesses?"
- In each case, experts ranked 1 to 7 according to their perception giving a score of 1 as not at all and 7 as to a great extent.

2)	Ease of finding skilled employees	20/140*
		(4.9)

- Executive Opinion Survey with question asked: "In your country, to what extent can companies find people with the skills required to fill their vacancies?"
- Experts ranked 1 to 7 according to their perception give a score of 1 as not at all and 7 as to a great extent.

\*Philippine rank over the number of countries Note: Scores are enclosed in parenthesis

#### **Pillar 7: PRODUCT MARKET**

# Indicator Ranking (Raw score/Data) 1) Prevalence of non-tariff barriers 42/140\* (4.6)

- Executive Opinion Survey question asked: "In your country, to what extent do non-tariff barriers (e.g. health and product standards, technical and labelling requirements, etc.) limit the ability of imported goods to compete in the domestic market?"
- Experts ranked 1 to 7 according to their perception give a score of 1 as strongly limit and 7 as do not limit at all.

2) Trade tariffs	55/140*
	(4.39)

- Measured as the weighted average applied tariff rate, expressed in percentage points.
- The weighted mean applied tariff is the average of effectively applied rates weighted by the product import shares corresponding to each partner country.
- They are the rates published by national customs authorities for duty administration purposes.

### **Indicator**

# Ranking (Raw score/Data)

3) Service trade openness

90/140\* (48.6)

- Score on the Services Trade Restrictiveness Index (STRI) which assesses the overall openness of the service sector of a country. The STRI measures openness for five major services sectors (financial services, telecommunications, retail distribution, transportation and professional services) and three modes of supply (cross-border supply of services, supply of services through commercial presence or FDI and temporary presence of natural persons).
- The scale ranges from 0 (completely open) to 100 (completely closed).

#### **Pillar 8: LABOR MARKET**

# Indicator Ranking (Raw score/Data) 1) Ease of hiring foreign labour 91/140\* (3.9)

- Executive Opinion Survey question asked: "In your country, how restrictive are regulations related to the hiring of foreign labour?"
- Experts ranked 1 to 7 according to their perception give a score of 1 as highly restrictive and 7 as not restrictive at all.

2) Internal labour mobility	9/140*
	(5.3)

- Executive Opinion Survey question asked: "In your country, to what extent do people move to other parts of the country for professional reasons?"
- Experts ranked 1 to 7 according to their perception give a score of 1 as not at all and 7 as to great extent.

#### **Indicator**

# Ranking (Raw score/Data)

3) Reliance on professional management

31/140\* (4.9)

- Executive Opinion Survey question asked: "In your country, who holds senior management positions in companies?"
- Experts ranked 1 to 7 according to their perception give a score of 1 as usually relatives or friends without regard to merit and 7 as mostly professional managers chosen for merit and qualifications.
- 4) Pay and productivity

10/140\* (4.9)

- Executive Opinion Survey question asked: "In your country, to what extent is pay related to employee productivity?"
- Experts ranked 1 to 7 according to their perception give a score of 1 as not at all and 7 as to a great extent.
- 5) Female participation in labour force

86/140\* (0.61)

Refers to the ratio of the percentage of women aged 15-64 participating in the labour force as wage and salaried workers to the percentage of men aged 15-64 participating in the labour force as wage and salaried workers

Note: Scores are enclosed in parenthesis

<sup>\*</sup>Philippine rank over the number of countries

#### Pillar 10: MARKET SIZE

Indicator	Ranking (Raw score/Data)
1) Gross domestic product	29/140* (798)

Is valued at purchasing power parity in billions of international dollars (constant 2011 prices).

2) Imports of goods and services 83/140\* (39.7)

• Illustrates the value of all goods and other market services received from the rest of the world, as a percentage of the country's GDP.

**Pillar 11: BUSINESS DYNAMISM** 

	Indicator	Ranking (Raw score/Data)
1)	Cost of starting a business	97/140*
		(15.8)
*	Expressed as a percentage of the economy's income per capita	
2)	Growth of innovative companies	15/140*
		(4.9)
*	Executive Opinion Survey question asked: "In your country, to what extent do new companies with innovative ideas grow rapidly?"	
*	Experts ranked 1 to 7 according to their perception give a score of 1 as not at all and 7 as to a great extent.	
3)	Companies embracing disruptive	12/140*
	ideas	(4.6)

- Executive Opinion Survey question asked: "In your country, to what extent do companies embrace risky or disruptive business ideas?"
- Experts ranked 1 to 7 according to their perception give a score of 1 as not at all and 7 as to a great extent.

\*Philippine rank over the number of countries

Note: Scores are enclosed in parenthesis

#### **Pillar 12: INNOVATION CAPABILITY**

# Indicator Ranking (Raw score/Data) 1) Diversity of workforce 15/140\* (5.3)

- Executive Opinion Survey question asked: "In your country, to what extent do companies have a diverse workforce (e.g. in terms of ethnicity, religion, sexual orientation, gender)?"
- Experts ranked 1 to 7 according to their perception give a score of 1 as not at all and 7 as to a great extent.
- 2) State of clusters development 49/140\* (4.0)
- Executive Opinion Survey question asked: "In your country, how widespread are well-developed and deep clusters (geographic concentrations of firms, suppliers, producers of related products and services, and specialized institutions in a particular field)?"
- Experts ranked 1 to 7 according to their perception give a score of 1 as non-existent and 7 as widespread in many fields.
- 3) International co-inventions 87/140\* (0.09)
- Number of patent family applications with co-inventions located abroad per million population.

<sup>\*</sup>Philippine rank over the number of countries Note: Scores are enclosed in parenthesis

	Indicator	Ranking (Raw score/Data)
4)	Multistakeholder collaboration	27/140* (4.6)
*	share ideas within a company?"	
5)	Scientific publications	55/140* (194.3)
<b>*</b>	Score on an index measuring the number of publications and their citations, expressed at the country level	
6)	Patent applications	80/140* (0.33)
*	Total number of patent family applications per n	million population
7)	R&D expenditures	99/140*

(0.1)

Expenditures on research and development (R&D) expressed as a percentage of GDP

Ranking (Raw score/Data)
71/140* (0.1)

Score on an index that measures the prominence and standing of private and public research institutions

9) Buyer sophistication 57/140\* (3.6)

- Executive Opinion Survey question asked: "In your country, on what basis do buyers make purchasing decisions?"
- Experts ranked 1 to 7 according to their perception give a score of 1 based solely on the lowest price and 7 based on sophisticated performance attributes.

10)	Trademark applications	98/140*
		(160.02)

Number of trademark applications per million population.

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