

UNITED ARAB EMIRATES (THE)

GII 2019 rank

36

Output rank	Input rank	Income	Region	Population (mn)	GDP, PPP\$	GDP per capita, PPP\$	GII 2018 rank
58	24	High	NAWA	9.5	732.9	69,381.7	38
Score/Value Rank							
 INSTITUTIONS.....	78.8	28	 BUSINESS SOPHISTICATION.....	41.5	30		
1.1 Political environment.....	80.5	20	5.1 Knowledge workers.....	40.7	55		
1.1.1 Political and operational stability*.....	80.7	35	5.1.1 Knowledge-intensive employment, %.....	18.4	79	O ◇	
1.1.2 Government effectiveness*.....	80.4	19	5.1.2 Firms offering formal training, % firms.....	n/a	n/a		
1.2 Regulatory environment.....	84.2	24	5.1.3 GERD performed by business, % GDP [⊕]	0.7	26		
1.2.1 Regulatory quality*.....	69.1	32	5.1.4 GERD financed by business, % [⊕]	74.3	5	● ◆	
1.2.2 Rule of law*.....	67.5	34	5.1.5 Females employed w/advanced degrees, %.....	8.8	73	O ◇	
1.2.3 Cost of redundancy dismissal, salary weeks.....	8.0	1 ● ◆					
1.3 Business environment.....	71.9	58	5.2 Innovation linkages.....	41.9	24		
1.3.1 Ease of starting a business*.....	94.1	22	5.2.1 University/industry research collaboration [†]	55.7	28		
1.3.2 Ease of resolving insolvency*.....	49.7	67	5.2.2 State of cluster development.....	69.1	10	● ◆	
 HUMAN CAPITAL & RESEARCH.....	52.4	18	5.2.3 GERD financed by abroad, %.....	n/a	n/a		
2.1 Education.....	61.9	[17]	5.2.4 JV-strategic alliance deals/bn PPP\$ GDP.....	0.1	16		
2.1.1 Expenditure on education, % GDP.....	n/a	n/a	5.2.5 Patent families 2+ offices/bn PPP\$ GDP.....	0.0	67		
2.1.2 Government funding/pupil, secondary, % GDP/cap.....	n/a	n/a					
2.1.3 School life expectancy, years.....	13.6	72 O ◇					
2.1.4 PISA scales in reading, maths, & science.....	474.3	37					
2.1.5 Pupil-teacher ratio, secondary [⊕]	9.5	23					
2.2 Tertiary education.....	57.5	6 ● ◆	5.3 Knowledge absorption.....	42.0	34		
2.2.1 Tertiary enrolment, % gross.....	n/a	n/a	5.3.1 Intellectual property payments, % total trade.....	0.7	54		
2.2.2 Graduates in science & engineering, %.....	22.0	50	5.3.2 High-tech imports, % total trade [⊕]	9.4	38		
2.2.3 Tertiary inbound mobility, %.....	48.6	1 ● ◆	5.3.3 ICT services imports, % total trade.....	0.9	74		
2.3 Research & development (R&D).....	37.7	28	5.3.4 FDI net inflows, % GDP.....	2.6	67		
2.3.1 Researchers, FTE/mn pop [⊕]	2,406.6	35	5.3.5 Research talent, % in business enterprise [⊕]	62.2	8	●	
2.3.2 Gross expenditure on R&D, % GDP [⊕]	1.0	36					
2.3.3 Global R&D companies, avg. exp. top 3, mn US\$.....	69.7	18					
2.3.4 QS university ranking, average score top 3*.....	31.2	37					
 INFRASTRUCTURE.....	59.4	21	 KNOWLEDGE & TECHNOLOGY OUTPUTS....22.2	63			
3.1 Information & communication technologies(ICTs).....	88.7	14 ●	6.1 Knowledge creation.....	6.4	88	O ◇	
3.1.1 ICT access*.....	84.8	15	6.1.1 Patents by origin/bn PPP\$ GDP.....	0.1	106	O	
3.1.2 ICT use*.....	81.3	13 ●	6.1.2 PCT patents by origin/bn PPP\$ GDP.....	0.1	60		
3.1.3 Government's online service*.....	94.4	14 ●	6.1.3 Utility models by origin/bn PPP\$ GDP.....	n/a	n/a		
3.1.4 E-participation*.....	94.4	17	6.1.4 Scientific & technical articles/bn PPP\$ GDP.....	31	101	O ◇	
3.2 General infrastructure.....	52.7	12 ●	6.1.5 Citable documents H-index.....	10.5	62		
3.2.1 Electricity output, kWh/mn pop.....	13,980.2	8 ●	6.2 Knowledge impact.....	34.9	73		
3.2.2 Logistics performance*.....	88.5	11 ● ◆	6.2.1 Growth rate of PPP\$ GDP/worker, %.....	1.6	48		
3.2.3 Gross capital formation, % GDP.....	22.5	69	6.2.2 New businesses/th pop. 15-64.....	2.6	42		
3.3 Ecological sustainability.....	36.8	71 ◇	6.2.3 Computer software spending, % GDP.....	0.3	50		
3.3.1 GDP/unit of energy use.....	8.2	72 O	6.2.4 ISO 9001 quality certificates/bn PPP\$ GDP.....	6.0	52		
3.3.2 Environmental performance*.....	58.9	67 ◇	6.2.5 High- & medium-high-tech manufactures, %.....	0.2	57		
3.3.3 ISO 14001 environmental certificates/bn PPP\$ GDP..	2.5	40					
 MARKET SOPHISTICATION.....	56.1	34	 CREATIVE OUTPUTS.....	31.2	50		
4.1 Credit.....	53.5	27	7.1 Intangible assets.....	40.5	66	◇	
4.1.1 Ease of getting credit*.....	70.0	40	7.1.1 Trademarks by origin/bn PPP\$ GDP.....	8.7	107	O ◇	
4.1.2 Domestic credit to private sector, % GDP.....	78.8	38	7.1.2 Industrial designs by origin/bn PPP\$ GDP [⊕]	0.1	108	O	
4.1.3 Microfinance gross loans, % GDP.....	n/a	n/a	7.1.3 ICTs & business model creation [†]	71.7	29		
4.2 Investment.....	46.2	53	7.1.4 ICTs & organizational model creation [†]	67.3	24		
4.2.1 Ease of protecting minority investors*.....	75.0	14 ◆	7.2 Creative goods & services.....	35.9	13 ●		
4.2.2 Market capitalization, % GDP.....	60.4	29	7.2.1 Cultural & creative services exports, % total trade.....	n/a	n/a		
4.2.3 Venture capital deals/bn PPP\$ GDP.....	0.0	32	7.2.2 National feature films/mn pop. 15-69.....	10.6	16		
4.3 Trade, competition, & market scale.....	68.6	39	7.2.3 Entertainment & Media market/th pop. 15-69.....	19.5	28		
4.3.1 Applied tariff rate, weighted avg., %.....	4.8	81 O ◇	7.2.4 Printing & other media, % manufacturing.....	1.5	32		
4.3.2 Intensity of local competition*.....	71.0	49	7.2.5 Creative goods exports, % total trade [⊕]	4.2	13	● ◆	
4.3.3 Domestic market scale, bn PPP\$.....	732.9	32	7.3 Online creativity.....	7.9	57	◇	
			7.3.1 Generic top-level domains (TLDs)/th pop. 15-69.....	10.8	38		
			7.3.2 Country-code TLDs/th pop. 15-69.....	7.3	43		
			7.3.3 Wikipedia edits/mn pop. 15-69 [⊕]	9.9	63	◇	
			7.3.4 Mobile app creation/bn PPP\$ GDP.....	6.7	47		

NOTES: ● indicates a strength; O 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.