

Appendix¹

Table (1): Global Knowledge Index for Arab Countries During the Period (2017-2021).

Countries	2021		2020		2019		2018		2017	
Number of countries participating in the report	137		138		136		134		131	
The first group: high-income-countries	Rank	Scores	Rank	Scores	Rank	Scores	Rank	Scores	Rank	Scores
UAE	12	67.3	15	66.1	18	63.7	19	61.9	26	58.8
QATAR	38	58.7	39	54.2	40	51.6	43	51.3	41	50.5
BAHRAIN	54	52.2	42	50.9	43	51.2	44	51.0	44	49.9
SAUDI ARABIA	40	57.6	44	50.9	52	48.4	66	46.9	68	45.0
KUWAIT	47	54.5	65	45.8	62	46.5	50	49.9	56	47.0
OMAN	52	52.3	58	47.5	51	48.7	62	47.8	75	43.6
The second group: upper-middle-income-countries										
JORDAN	96	42.5	78	43.9	70	44.5	76	44.7	62	46.0
ALGERIA	101	40.3	103	37.5	104	37.1	104	38.7	95	39.6
LEBANON	86	44.8	76	44.3	80	42.6	74	45.2	63	46.0
TUNISIA	80	47.2	82	42.7	79	43.1	82	43.6	82	42.0
The third group: low-middle-income-countries										
EGYPT	51	52.3	72	45.0	82	42.5	99	39.0	96	39.6
MOROCCO	94	43.5	83	42.6	92	41.2	94	41.3	77	43.0

Source: (Mohammed Bin Rashid Al Maktoum Foundation and the United Nations Development Program, 2017-2021).

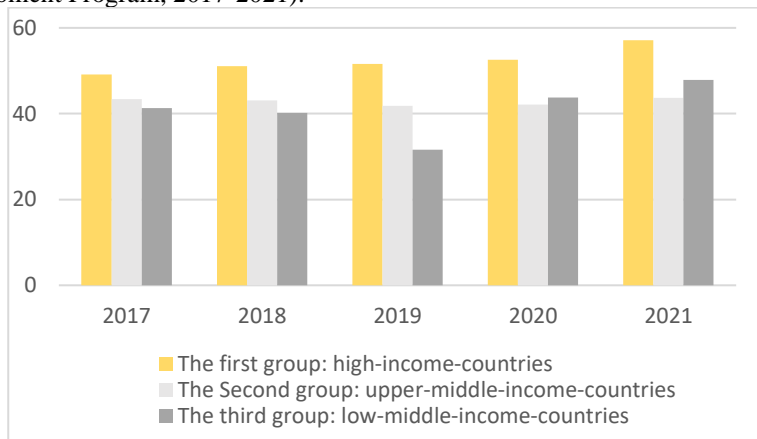


Figure (1): Development of the Global Knowledge Index for Arab Countries During the Period (2017-2021).

Source: (Mohammed Bin Rashid Al Maktoum Foundation and the United Nations Development Program, 2017-2021)

¹ Source: UNDP and MBRF (2017- 2021).

Sub-indicators of the Global Knowledge Index for Arab Countries by Income Groups

Table (2): Pre-University Education Index for Arab Countries During the Period (2017-2021).

Countries	2021		2020		2019		2018		2017	
Number of countries participating in the report	137		138		136		134		131	
The first group: high-income-countries	Scores	Rank	Scores	Rank	Scores	Scores	Rank	Scores	Rank	Scores
UAE	6	80.9	10	75.5	12	70.4	13	72.7	16	70.3
QATAR	14	80.2	64	62.4	100	48.1	102	45.1	100	47.2
BAHRAIN	64	68.4	52	63.9	46	61.7	55	58.9	56	58.9
SAUDI ARABIA	48	72.2	104	50.5	92	50.2	74	52.9	96	48.4
KUWAIT	62	68.6	73	59.3	69	56.9	50	60.2	42	63.5
OMAN	39	74.4	81	57.4	70	56.8	70	54.9	88	50.3
The second group: upper-middle-income-countries										
JORDAN	95	55.3	110	48.6	104	46.5	93	48.4	77	53.0
ALGERIA	23	66.2	82	57.3	88	51.8	85	50.6	76	53.5
LEBANON	106	47.6	66	61.8	81	53.0	73	54.1	82	52.0
TUNISIA	57	70.5	80	57.6	79	55.0	87	48.9	87	50.4
The third group: low-middle-income-countries										
EGYPT	68	67.1	83	57.2	94	49.2	110	41.0	106	44.9
MOROCCO	90	57.0	100	51.6	89	51.7	89	48.8	86	51.0

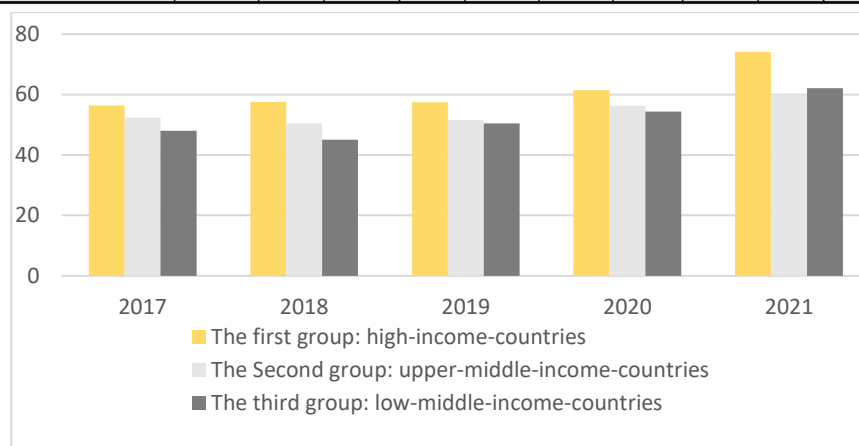


Figure (2): Development of Pre-University Education Index for Arab Countries During the Period (2017-2021).

Table (3): Vocational and Technical Education and Training Index for Arab Countries During the Period (2017-2021)

Number of countries participating in the report	137		138		136		134		131	
	Scores	Rank	Scores	Rank	Scores	Scores	Rank	Scores	Rank	Scores
The first group: high-income-countries										
UAE	8	70.1	11	69.6	14	64.0	14	63.4	24	61.0
QATAR	67	53.3	50	53.1	50	53.1	59	51.4	58	53.2
BAHRAIN	73	51.8	29	59.8	22	60.9	36	55.5	33	57.7
SAUDI ARABIA	9	69.6	12	68.5	86	47.1	117	41.0	119	40.3
KUWAIT	12	67.6	98	45.2	72	49.0	82	48.1	84	49.6
OMAN	16	66.6	81	47.6	82	47.4	97	45.2	109	45.5
The second group: upper-middle-income-countries										
JORDAN	102	43.9	85	46.9	92	46.1	104	44.0	98	47.1
ALGERIA	98	44.7	133	30.7	131	30.6	122	38.0	123	39.0
LEBANON	84	47.6	21	62.2	20	62.6	29	58.6	27	60.0
TUNISIA	86	47.5	107	43.5	103	44.8	91	46.4	97	47.2
The third group: low-middle-income-countries										
EGYPT	65	53.4	80	47.6	102	44.8	113	41.5	113	44.0
MOROCCO	76	50.1	86	46.9	110	40.4	110	42.0	92	47.9

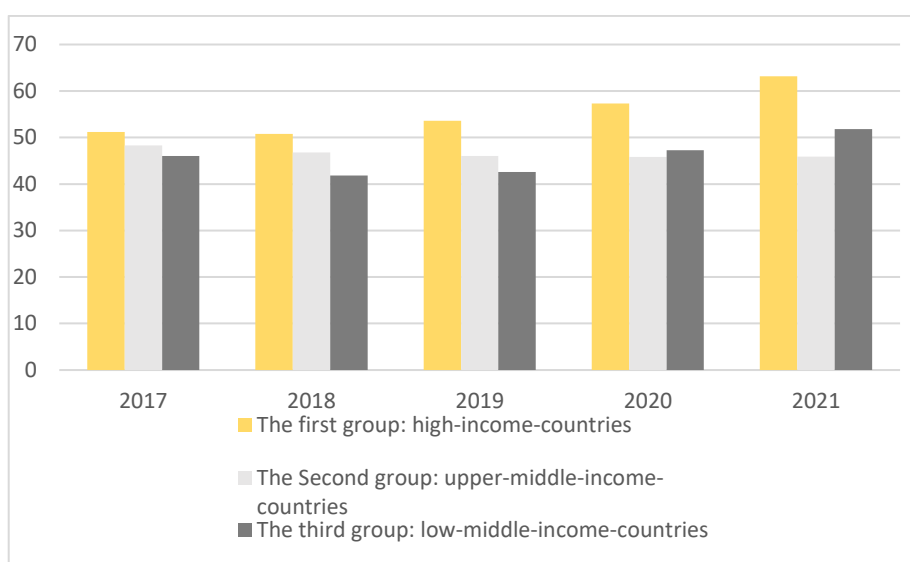


Figure (3): Development of Vocational and Technical Education and Training Index for Arab Countries During the Period (2017-2021).

Table (4): Higher Education Index for Arab Countries During the Period (2017-2021)

Countries	2021		2020		2019		2018		2017	
Number of countries participating in the report	137		138		136		134		131	
The first group: high-income-countries	Scores	Rank	Scores	Rank	Scores	Scores	Rank	Scores	Rank	Scores
UAE	16	64.0	20	55.4	19	53.8	20	53.4	27	50.0
QATAR	20	61.4	24	52.1	25	51.7	37	47.2	40	45.4
BAHRAIN	71	45.4	54	42.8	50	44.0	42	45.6	66	38.3
SAUDI ARABIA	42	52.8	60	41.3	60	42.3	63	40.1	58	40.3
KUWAIT	85	41.7	57	42.4	58	42.4	41	45.7	59	40.1
OMAN	101	38.6	83	37.3	59	42.4	66	39.5	82	34.4
The second group: upper-middle-income-countries										
JORDAN	113	35.9	50	43.6	41	46.6	44	45.5	34	47.6
ALGERIA	100	38.6	37	47.2	37	47.4	80	36.6	60	40.1
LEBANON	31	56.7	75	38.6	72	39.3	76	37.6	52	42.5
TUNISIA	92	40.8	56	42.5	53	43.4	52	43.4	61	40.0
The third group: low-middle-income-countries										
EGYPT	35	54.6	42	45.6	48	44.3	59	41.7	54	42.1
MOROCCO	127	30.7	85	36.5	99	33.7	93	33.2	65	38.7

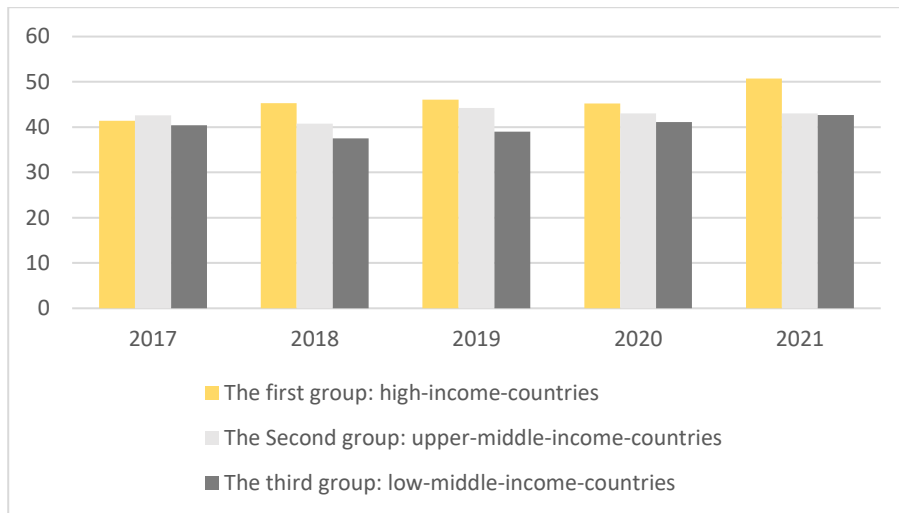


Figure (4): Development of Higher Education Index for Arab Countries During the Period (2017-2021).

Table (5): Research and Development and Innovation Index for Arab Countries During the Period (2017-2021)

Countries	2021		2020		2019		2018		2017	
Number of countries participating in the report	137		138		136		134		131	
The first group: high-income-countries	Scores	Rank	Scores	Rank	Scores	Scores	Rank	Scores	Rank	Scores
UAE	28	42.0	29	37.8	33	34.1	36	31.3	37	28.7
QATAR	40	36.6	39	28.3	41	27.2	59	24.8	38	28.5
BAHRAIN	85	27.6	91	17.4	85	17.5	98	18.0	78	20.3
SAUDI ARABIA	46	36.0	35	29.7	36	29.4	38	30.3	36	30.2
KUWAIT	106	23.3	90	17.5	82	17.8	51	26.1	53	25.4
OMAN	75	28.9	60	22.1	62	22.4	64	23.7	73	20.8
The Second group: upper-middle-income-countries										
JORDAN	86	27.5	75	19.9	74	19.9	87	19.5	86	19.2
ALGERIA	129	17.0	114	14.2	105	14.2	58	24.8	55	24.8
LEBANON	47	35.5	68	21.0	75	19.5	68	23.0	65	22.4
TUNISIA	91	26.8	72	20.3	69	20.9	63	24.2	63	22.6
The third group: low-middle-income-countries										
EGYPT	55	32.7	74	19.9	83	17.7	108	17.2	101	16.5
MOROCCO	98	25.2	82	19.3	80	17.9	84	20.3	72	20.9

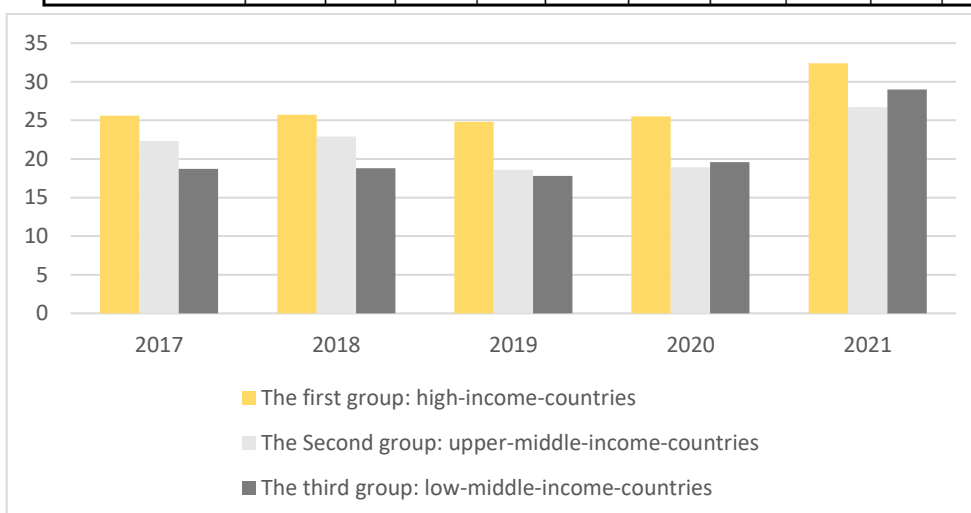


Figure (5): Development of Research and Development and Innovation Index for Arab Countries During the Period (2017-2021).

Table (6): Information and Communication Technology Index for Arab Countries During the Period (2017-2021).

Countries	2021		2020		2019		2018		2017	
Number of countries participating in the report	137		138		136		134		131	
The first group: high-income-countries	Scores	Rank	Scores	Rank	Scores	Scores	Rank	Scores	Rank	Scores
UAE	14	65.9	14	79.9	15	77.0	16	74.1	23	71.3
QATAR	50	52.5	34	66.6	36	60.8	31	64.0	29	65.5
BAHRAIN	30	59.6	39	65.1	34	61.1	34	62.8	27	66.8
SAUDI ARABIA	35	58.2	36	66.2	32	63.2	48	56.8	38	59.2
KUWAIT	21	62.7	61	57.4	62	51.6	63	53.7	75	47.7
OMAN	48	53.0	47	61.9	49	55.4	62	53.7	59	52.9
The second group: upper-middle-income-countries										
JORDAN	89	37.6	73	52.9	69	49.3	71	51.1	55	54.1
ALGERIA	99	32.8	106	37.5	107	33.6	107	37.2	105	36.3
LEBANON	93	36.0	105	38.3	106	33.8	91	44.1	84	45.0
TUNISIA	69	44.9	85	48.8	83	44.5	84	46.3	83	45.0
The third group: low-middle-income-countries										
EGYPT	56	50.0	74	52.4	78	47.3	90	44.2	86	44.2
MOROCCO	70	44.5	75	52.3	77	47.4	76	49.2	71	49.3

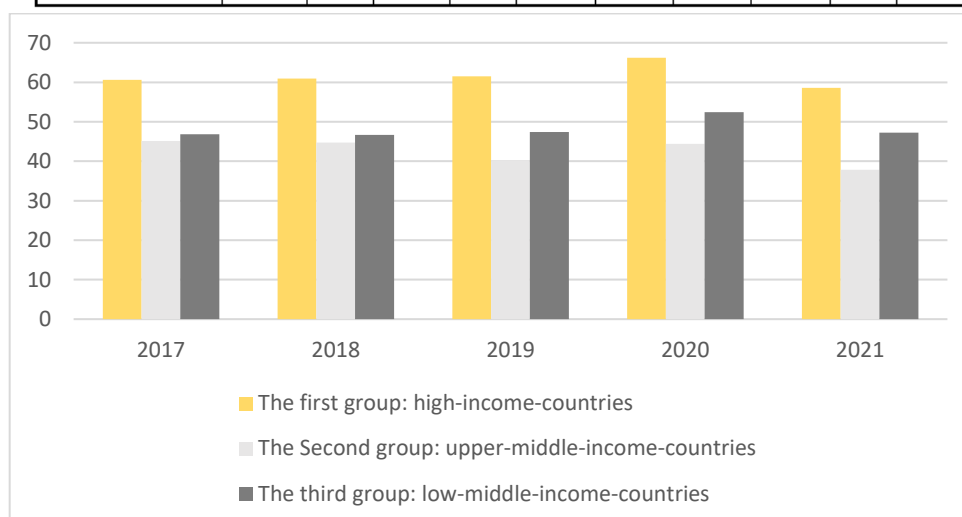


Figure (6): Development of Information and Communication Technology Index for Arab Countries During the Period (2017-2021).

Table (7): Economy Index for Arab Countries During the Period (2017-2021).

Countries	2021		2020		2019		2018		2017	
Number of countries participating in the report	137		138		136		134		131	
The first group: high-income-countries	Scores	Rank	Scores	Rank	Scores	Scores	Rank	Scores	Rank	Scores
UAE	2	79.8	2	73.2	2	74.8	2	67.7	2	66.9
QATAR	20	67.8	34	51.9	48	48.8	40	50.9	40	50.1
BAHRAIN	43	60.8	39	51.1	27	55.4	24	56.8	34	51.5
SAUDI ARABIA	48	60.0	54	45.2	43	50.7	47	49.9	59	45.0
KUWAIT	35	63.5	64	42.8	53	47.3	64	42.8	54	45.9
OMAN	62	54.9	44	48.6	31	54.4	45	50.2	53	46.2
The Second group: upper-middle-income-countries										
JORDAN	73	50.8	59	44.2	45	49.9	50	48.5	47	48.2
ALGERIA	123	38.9	111	32.3	100	37.1	115	36.1	108	36.3
LEBANON	85	48.8	69	41.2	68	42.4	62	46.9	45	48.7
TUNISIA	86	48.8	82	38.1	82	40.8	75	43.1	80	41.3
The third group: low-middle-income-countries										
EGYPT	55	56.7	66	41.8	67	42.7	90	41.3	88	40.5
MOROCCO	91	48.0	60	44.2	51	48.2	68	44.8	65	43.8

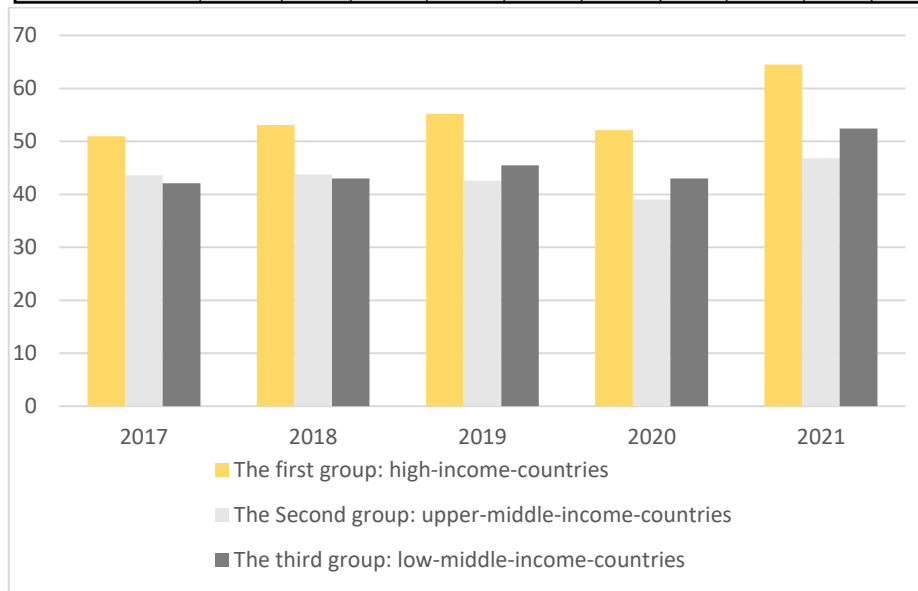


Figure (7): Development of Economy Index for Arab Countries During the Period (2017-2021)

Table (8): Enabling Environment Index for Arab Countries During the Period (2017-2021).

Countries	2021		2020		2019		2018		2017	
Number of countries participating in the report	137		138		136		134		131	
The first group: high-income-countries	Scores	Rank	Scores	Rank	Scores	Scores	Rank	Scores	Rank	Scores
UAE	27	69.3	27	73.9	35	71.0	41	70.7	46	66.0
QATAR	54	59.4	37	70.4	33	71.3	26	75.7	36	70.4
BAHRAIN	84	51.1	70	59.1	71	57.7	81	59.2	83	58.9
SAUDI ARABIA	78	52.4	81	57.6	90	56.2	87	57.7	92	57.2
KUWAIT	71	53.7	62	60.7	60	60.8	55	65.5	62	61.4
OMAN	94	48.7	57	62.2	54	62.1	51	67.6	71	60.7
The second group: upper-middle-income-countries										
JORDAN	92	49.0	87	54.7	88	53.4	92	56.3	91	57.5
ALGERIA	107	45.2	114	46.5	111	45.2	117	47.4	114	50.5
LEBANON	127	39.5	111	48.2	104	47.7	103	52.1	105	53.5
TUNISIA	75	53.4	103	50.9	91	52.4	101	52.9	101	54.6
The third group: low-middle-income-countries										
EGYPT	83	51.2	91	53.4	99	51.5	118	46.4	120	47.4
MOROCCO	79	52.3	104	50.0	103	48.7	106	50.5	108	52.2

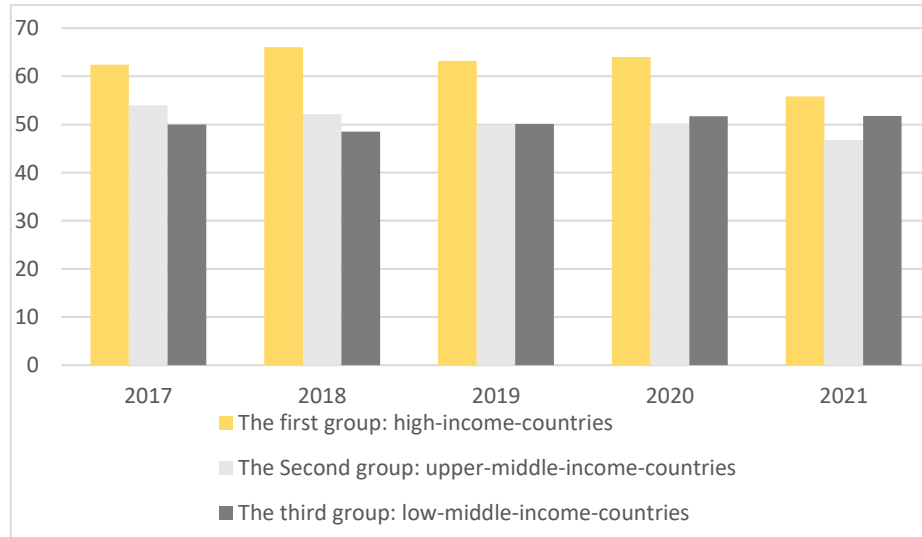


Figure (8): Development of Enabling Environment Index for Arab Countries During the period (2017-2021).