

## الملاحق: Appendix

جدول (١) يوضح مرتبة مصر بالنسبة للتنافسية على قارة أفريقيا [١]

Rank	Country	Score
1	Botswana	5.45
2	Tunisia	5.16
3	Gambia	4.73
4	South Africa	4.67
5	Mauritius	4.61
6	Egypt	4.18
7	Tanzania	4.15
8	Ghana	3.97
9	Algeria	3.92
10	Morocco	3.86
11	Zambia	3.86
12	Ethiopia	3.69
13	Mozambique	3.33
14	Mali	3.33
15	Uganda	3.30
16	Zimbabwe	3.17
17	Angola	3.16
18	Kenya	3.16
19	Madagascar	3.04
20	Nigeria	2.99
21	Chad	2.36

Country	Public Institutions Index		Contracts and Law Subindex				Corruption Subindex			No. of Respondents		
	Rank	Average Score	Q 5.01	Q 5.04	Q 4.11	Q 5.10	Average Score	Q 5.12a	Q 5.12b		Q 5.12c	
BOTSWANA	1	6.46	5.91	5.67	4.36	5.76	6.43	5.08	5.57	5.77	5.47	58
TUNISIA	2	5.16	4.83	5.42	4.67	5.85	5.19	5.23	5.25	4.90	5.13	75
GAMBIA	3	4.73	4.84	5.23	4.07	6.05	5.05	4.64	4.24	4.37	4.42	79
SOUTH AFRICA	4	4.67	5.64	5.40	3.45	3.52	4.50	4.55	4.67	5.28	4.83	62
MAURITIUS	5	4.61	4.35	5.09	3.47	5.68	4.64	3.69	4.78	5.28	4.56	32
EGYPT	6	4.18	3.67	4.37	3.78	5.11	4.23	4.38	3.83	4.21	4.14	104
TANZANIA	7	4.15	4.62	4.58	3.45	4.61	4.31	4.25	3.97	3.74	3.98	69
GHANA	8	3.97	4.05	4.30	3.21	4.72	4.07	3.95	3.72	3.94	3.87	174
ALGERIA	9	3.92	2.83	3.88	3.78	4.91	3.85	4.54	3.91	3.50	3.96	71
MOROCCO	10	3.86	3.10	4.48	3.20	5.07	3.86	3.61	4.10	3.57	3.76	101
ZAMBIA	11	3.86	3.79	4.11	3.12	4.68	3.92	3.90	3.54	3.88	3.78	59
ETHIOPIA	12	3.69	2.33	3.38	2.99	5.29	3.50	4.25	3.89	3.52	3.89	85
MOZAMBIQUE	13	3.33	2.37	3.53	2.36	3.30	2.69	3.32	4.25	3.75	3.78	78
MALI	14	3.33	3.41	2.77	3.08	5.57	3.71	3.43	2.97	2.47	2.96	37
URUGUAY	15	3.30	3.73	3.71	2.55	3.42	3.35	3.21	3.33	3.18	3.24	148
ZIMBABWE	16	3.17	1.74	2.74	1.97	4.13	2.64	3.45	3.19	4.45	3.70	33
ANGOLA	17	3.16	1.95	2.74	2.09	4.22	2.76	3.40	3.52	3.74	3.56	47
KENYA	18	3.16	2.39	3.99	2.59	3.41	3.09	3.43	3.04	3.16	3.22	75
MADAGASCAR	19	3.04	2.37	2.60	2.55	3.83	2.84	3.48	3.27	2.97	3.24	93
NIGERIA	20	2.99	3.51	3.39	2.09	3.70	3.17	2.84	2.80	2.80	2.81	198
CHAD	21	2.36	1.77	2.52	1.86	2.67	2.20	2.30	2.66	2.57	2.52	84

جدول (٢ م) يوضح كيفية حساب التنافسية

**Public Institutions Index = ½ Contracts & Law Sub index + ½ Corruption Sub index**

**Contracts and Law Sub index = average (Q 5.01 + Q 5.04 + Q 4.11 + Q 5.10)**  
**Q 5.01 Judicial independence:** The judiciary in your country is independent from political influences of members of government, citizens or firms (1 = no, heavily influenced, 7 = yes, entirely independent).

**Q 5.04 Property rights:** Financial assets and wealth (1 = are poorly delineated and not protected by law, 7 = are clearly delineated and well protected by law).

**Q 4.11 Favoritism in decisions of government officials:** When deciding upon policies and contracts, government officials (1 = usually favor well-connected firms and individuals, 7 = are neutral among firms and individuals)

**Q 5.10 Organized crime:** Organized crime (mafia-oriented racketeering, extortion) in your country (1 = imposes significant costs on businesses, 7 = does not impose significant costs on businesses).

**Corruption Sub index = average (Q 5.12a + Q 5.12b + Q 5.12c)**

**Q 5.12a Irregular payments in exports & imports:** In your industry, how commonly would you estimate that firms make undocumented extra payments or bribes connected with export and import permits? (1 = common, 7 = never occurs).

**Q 5.12b Irregular payments in public utilities:** In your industry, how commonly would you estimate that firms make undocumented extra payments or bribes when getting connected to public utilities (e.g. telephone or electricity)? (1 = common, 7 = never occurs).

**Q 5.12c Irregular payments in tax collection:** In your industry, how commonly would you estimate that firms make undocumented extra payments or bribes connected with annual tax payments? (1 = common, 7 = never occurs).



# EGYPT

## E) Employment, wages and related indicators by industry, at current prices, selected years.

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Displaying 1 to 60 of 60 Records

Industry (ISIC Revision 3)	Number of employees		Share of wages in value added (in %)		Wages per employee (in US\$)		Share in total manufacturing employment (in %)	
	1995	1998	1995	1998	1995	1998	1995	1998
Processed meat, fish, fruit, vegetables, fats (151)	...	43837	...	31	...	1738	...	3.9
Dairy products (1520)	...	8077	...	21	...	1656	...	0.7
Grain mill products; starches; animal feeds (153)	...	37039	...	48	...	1956	...	3.3
Other food products (154)	...	114056	...	31	...	1361	...	10.2
Beverages (155)	...	20215	...	26	...	2610	...	1.8
Tobacco products (1600)	...	17441	...	...	...	2734	...	1.6
Spinning, weaving and finishing of textiles (171)	...	219573	...	55	...	1718	...	19.6
Other textiles (172)	...	24532	...	29	...	1672	...	2.2
Knitted and crocheted fabrics and articles (1730)	...	14854	...	29	...	928	...	1.3
Wearing apparel, except fur apparel (1810)	...	62535	...	23	...	1091	...	5.6
Dressing & dyeing of fur; processing of fur (1820)	...	...	...	...	...	...	...	...
Tanning, dressing and processing of leather (191)	...	2789	...	33	...	1265	...	0.3
Footwear (1920)	...	9113	...	60	...	1047	...	0.8
Sawmilling and planing of wood (2010)	...	644	...	55	...	881	...	-
Products of wood, cork, straw, etc. (202)	...	9333	...	71	...	1894	...	0.8
Paper and paper products (210)	...	17865	...	35	...	1974	...	1.6
Publishing (221)	...	8700	...	94	...	7291	...	0.8
Printing and related service activities (222)	...	14175	...	26	...	1968	...	1.3
Reproduction of recorded	...	13	...	44	...	1181	...	0.0




TV/radio transmitters; line comm. apparatus (3220)	...	2701	...	37	...	3967	...	0.2
TV and radio receivers and associated goods (3230)	...	7256	...	...	...	3752	...	0.7
Medical, measuring, testing appliances, etc. (331)	...	5801	...	...	...	2532	...	0.5
Optical instruments & photographic equipment (3320)	...	445	...	43	...	2043	...	-
Watches and clocks (3330)	...	116	...	40	...	771	...	-
Motor vehicles (3410)	...	17190	...	19	...	3331	...	1.5
Automobile bodies, trailers & semi-trailers (3420)	...	2750	...	10	...	1978	...	0.3
Parts/accessories for automobiles (3430)	...	646	...	53	...	1517	...	-
Building and repairing of ships and boats (351)	...	11473	...	69	...	2572	...	1.0
Railway/tramway locomotives & rolling stock (3520)	...	2373	...	25	...	3232	...	0.2
Aircraft and spacecraft (3530)	...	58	...	58	...	799	...	-
Transport equipment n.e.c. (359)	...	10	...	16	...	708	...	0.0
Furniture (3610)	...	13364	...	37	...	1651	...	1.2
Manufacturing n.e.c. (369)	...	1955	...	27	...	931	...	0.2
Recycling of non-metal waste and scrap (3720)	...	100	...	42	...	425	...	-
Total manufacturing (D)	...	1120558	...	34	...	2243	...	100.0

Please note :

- Some ISIC categories shown may include values of other (not shown) categories. Clicking the highlighted/underlined figure will display those categories.
- An asterisk (\*) next to the year denotes estimated figures.

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## EGYPT

**D) Value added and related indicators by industry, at current prices, selected years.**

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Displaying **1** to **60** of **60** Records

Industry (ISIC Revision 3)	Value added
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	at factor		share in		per		share in	
	values		output		employee		manufacturing	
	(in million US\$)	(in %)	(in %)	(in %)	(in US\$)	(in %)	(in %)	(in %)
	1995	1998	1995	1998	1995	1998	1995	1998
Processed meat, fish, fruit, vegetables, fats (151)	...	248	...	16	...	5662	...	3.4
Dairy products (1520)	...	63	...	19	...	7745	...	0.9
Grain mill products; starches; animal feeds (153)	...	151	...	10	...	4076	...	2.1
Other food products (154)	...	496	...	26	...	4352	...	6.7
Beverages (155)	...	204	...	42	...	10084	...	2.8
Tobacco products (1600)	...	0	...	-	...	12	...	0.0
Spinning, weaving and finishing of textiles (171)	...	685	...	34	...	3122	...	9.3
Other textiles (172)	...	143	...	30	...	5816	...	1.9
Knitted and crocheted fabrics and articles (1730)	...	48	...	25	...	3242	...	0.7
Wearing apparel, except fur apparel (1810)	...	300	...	44	...	4796	...	4.1
Dressing & dyeing of fur; processing of fur (1820)	...	0	...	0	...	0	...	0.0
Tanning, dressing and processing of leather (191)	...	11	...	30	...	3796	...	0.1
Footwear (1920)	...	16	...	36	...	1753	...	0.2
Sawmilling and planing of wood (2010)	...	1	...	49	...	1602	...	-
Products of wood, cork, straw, etc. (202)	...	25	...	29	...	2664	...	0.3
Paper and paper products (210)	...	100	...	22	...	5601	...	1.4
Publishing (221)	...	68	...	23	...	7777	...	0.9
Printing and related service activities (222)	...	106	...	37	...	7493	...	1.4
Reproduction of recorded media (2230)	...	0	...	28	...	2702	...	0.0
Coke oven products (2310)	...	62	...	28	...	10693	...	0.8
Refined petroleum products (2320)	...	302	...	8	...	7016	...	4.1
Basic chemicals (241)	...	751	...	61	...	22255	...	10.2
Other chemicals (242)	...	784	...	35	...	13272	...	10.6
Man-made fibres (2430)	...	1	...	47	...	2484	...	-

Rubber products (251)	...	76	...	30	...	6642	...	1.0
Plastic products (2520)	...	93	...	31	...	6151	...	1.3
Glass and glass products (2610)	...	77	...	43	...	5021	...	1.0
Non-metallic mineral products n.e.c. (269)	...	683	...	37	...	9486	...	9.3
Basic iron and steel (2710)	...	365	...	22	...	7984	...	4.9
Basic precious and non-ferrous metals (2720)	...	124	...	19	...	5939	...	1.7
Casting of metals (273)	...	7	...	19	...	2798	...	-
Struct.metal products;tanks;steam generators (281)	...	91	...	39	...	4254	...	1.2
Other metal products; metal working services (289)	...	90	...	33	...	4572	...	1.2
General purpose machinery (291)	...	67	...	25	...	5212	...	0.9
Special purpose machinery (292)	...	51	...	38	...	3504	...	0.7
Domestic appliances n.e.c. (2930)	...	233	...	35	...	13285	...	3.2
Office, accounting and computing machinery (3000)	...	49	...	90	...	81554	...	0.7
Electric motors, generators and transformers (3110)	...	23	...	41	...	12255	...	0.3
Electricity distribution & control apparatus (3120)	...	80	...	39	...	22300	...	1.1
Insulated wire and cable (3130)	...	84	...	45	...	14933	...	1.1
Accumulators, primary cells and batteries (3140)	...	24	...	28	...	5534	...	0.3
Lighting equipment and electric lamps (3150)	...	21	...	39	...	12316	...	0.3
Other electrical equipment n.e.c. (3190)	...	4	...	18	...	5394	...	-
Electronic valves, tubes, etc. (3210)	...	0	...	0	...	0	...	0.0
TV/radio transmitters; line comm. apparatus (3220)	...	29	...	16	...	10810	...	0.4
TV and radio receivers and associated goods (3230)	...	27	...	22	...	3726	...	0.4
Medical, measuring, testing appliances, etc. (331)	...	14	...	43	...	2431	...	0.2
Optical instruments &	...	2	...	16	...	4726	...	-



photographic equipment (3320)						
Watches and clocks (3330)	...	0	...	17	...	1947
Motor vehicles (3410)	...	299	...	37	...	17369
Automobile bodies, trailers & semi-trailers (3420)	...	55	...	33	...	19852
Parts/accessories for automobiles (3430)	...	2	...	19	...	2881
Building and repairing of ships and boats (351)	...	43	...	39	...	3716
Railway/tramway locomotives & rolling stock (3520)	...	30	...	46	...	12730
Aircraft and spacecraft (3530)	...	0	...	23	...	1389
Transport equipment n.e.c. (359)	...	0	...	36	...	4486
Furniture (3610)	...	60	...	29	...	4475
Manufacturing n.e.c. (369)	...	7	...	27	...	3423
Recycling of non-metal waste and scrap (3720)	...	0	...	29	...	1006
Total manufacturing (D)	...	7374	...	27	...	6581
						100.0

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جدول يوضح نسب تلوث الهواء في بعض العواصم مقارنة بالقاهرة [2]

عدد السكان بالمليون	NO2	SO2	كمية الغبار	العاصمة
	٥٠	٥٠	٩٠	النسب المسموح بها
٩.٦٩	٢٤٠	٦٩	٤٥٠	القاهرة
١١.٢٩	١٢٢	٩٠	٣٧٧	بكين
١١.٩٢	٣٤	٤٩	٣٧٥	كلكتا
٩.٤٢	٤١	٢٤	٤١٥	دلهي
١٦.٥٦	١٣٠	٧٤	٢٧٩	مكسيكو

٩.٢٧	-	١٠٩	١٠٠	موسكو
١٦.٣٣	٧٩	٢٦	-	نيويورك
٤.٣٢	٤٣	١٧	٣٦	تورنتو

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# THE STRATEGY OF SETTLING INDUSTRIAL PROJECTS IN EGYPT

Case study : Upper Egypt Region

**Thesis Submitted for Examination for the  
Degree of Doctor of Philosophy**

**By :**

**MUMDOUH MOHAMED MOSTAPHA ALI**

**2004**

## **Abstract :**

Egypt has set a trend to industrialization, like other developing countries. After getting the independence of the colonialism, it believed that industrialization is the unique way to the development. This **discussion** reaches for a study and analysis the strategy of industrial settling in Egypt and shows the affecting parameters on it through five main chapters.

The **first** chapter includes a definition of what is intended by the industrial settling and its growth from the primary situation in the old cities and the system of the craft sects in the pre-industrial cities. And the industrial settling after the industrial revolution and its economic, social, and urban influences, the theories, which are concerned about it. Then comes to the essential parameters on it whether outside parameters like colonialism, the new world system or by the local parameters, natural, physical, social, and economic environment.

The **Second** chapter deals with the study of models from the new industrialized countries, which were ascertaining, social and economic progress through industrial settling – the Asian tigers: Taiwan, Hong Kong, Singapore and Korea, south. And as for tigers surpass in this field.

The **third** chapter reaches for a study and the legalization of a modern strategy of industrial settling through explanation of a group of new concepts like: eco-industrial, industrial clusters, urban competitiveness, polycentric urban regions or networked cities. And applied specimens for clarification of these concepts, reaching for modern strategy of industrial settling .

The **fourth** chapter reaches for a study and analyses the industrial settling in Egypt and the effecting world parameters on it: an example is colonialism, the new world system, the globalization and the like, and the local parameters by the studying of the setting natural, physical, and social effect on the industrial settling in Egypt . A comparison between Egypt and the Asian tigers, and analyzing the cluster of a fridge industry in Egypt like a sample for houses equipments cluster and engineering products.

The **fifth** chapter reaches for a case study of: Upper Egypt region, and turns to weakness of the industrial settling in it, and analyzing its capability for settling industrial projects in it, through studying and analyzing the status of

strengths, weaknesses, opportunities and threats for the region, and the suggested strategy for the industrial settling there .

The crystallized **addition** of the discussion is the applied study through the suggested method for dealings with the industrial settling and understanding the key industry on the region through analyzing the information of employments- Location Quotient Technique. And incorrupting the spatial analyses with the power of Geographic Information System –GIS- to make A Model for Location Analysis of Industries.

Presents a methodology for a macro level location analysis for industries. The key location criteria considered in the model include buyer-supplier relationships, transportation access and costs, labor force characteristics and proximity to technology centers. The methodology outlined in the discussion draws from the theoretical foundations of cluster analysis and uses the spatial analysis capabilities of GIS.

Several factors such as access to suppliers and consumer markets, access to information and an environment of innovation (R&D centers, universities and colleges), and the availability of a trained and educated labor force, greatly affect its competitiveness. Significantly, all these attributes are dependent on the socioeconomic characteristics of the place in which the industry is located. Hence, socioeconomic is a critical factor, contributing to an industry's competitive advantage.