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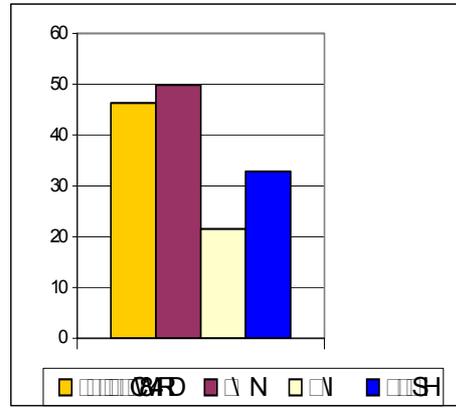
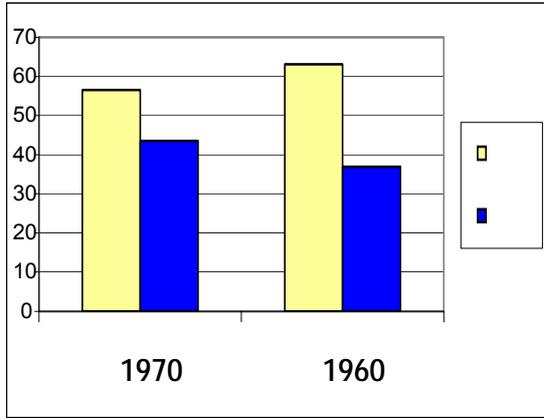
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46.7	46.7	0	46.7	
0	27.7	9.5	94.9	
41.6	32.4	23.3	41	
46.1	31.1	15.5	53.7	
35	47.2	51.3	39.7	
64	-29.7	-53.2	29.9	
46.4	28.4	2	44.9	
38.3	14.3	5.7	53.2	
56.7	28.7	23.8	51	
98.2	31.7	22.4	104.4	
49.8	34.5	29.8	47.7	
48.1	33.3	32.2	40.3	
68.7	0	0	0	
0	0	0	0	
46.3	32.8	21.5	49.9	

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40.2	,	,	42.7	
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23.6	,	33.	32.5	
41.7	,	,	41	
30.6	,	30.	31.3	
37.5	, 3	, 3	33.3	
76.5	,	,	66.2	
80.9	,	,	119.1	
35.8	, 3	,	36.4	
54.6	,	,	80	
53.1	,	,	45.4	
0	,	,	0	
30.5	, 3	,	40.8	

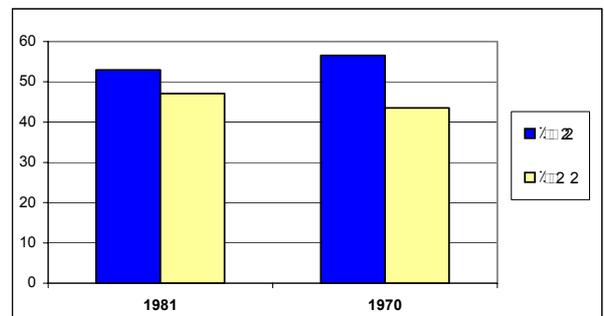
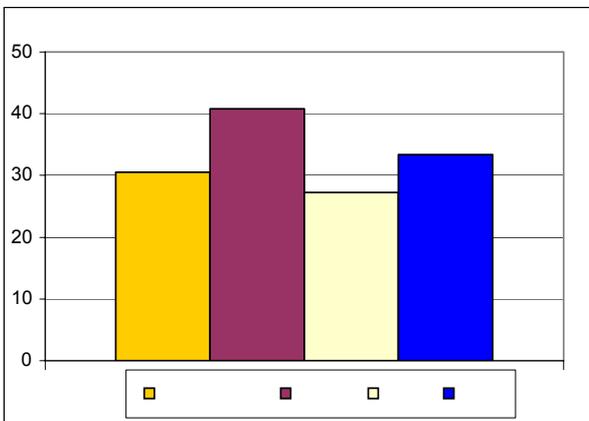
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12.2	13.3	831	837	
8.1	9.9	547	621	
20.2	20.9	1381	1317	
9.6	8.7	655	546	
8.6	8.1	583	515	
6.9	6.2	467	390	
5.1	4.6	339	293	
7.2	6.1	490	384	
5.2	7.4	352	468	
2.2	3.8	163	244	
3.1	2.2	202	140	
3.9	3.7	267	232	
5.6	4.8	383	302	
2.1	0.3	137	16	
100	100	6797	6305	

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$$y = a + bx$$

y :

X :

SPSS

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$$Y = 2.3 + 0.67 x$$

و هي معادل

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p-value

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Model	Variables Entered	Variables Removed	Method
1	(a)	.	Enter

a. All requested variables entered.

1970

b. Dependent Variable:

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	0.958	0.917	0.910	1.54423

9

a. Predictors: (Constant),

ANOVA(b)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	315.781	1	315.781	132.423	0.000
	Residual	28.616	12	2.385		
	Total	344.397	13			

a. Predictors: (Constant),

1970

b. Dependent Variable:

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2.298	0.588		3.909	0.002
		0.674	0.059	0.958	11.508	0.000

1970

a. Dependent Variable:

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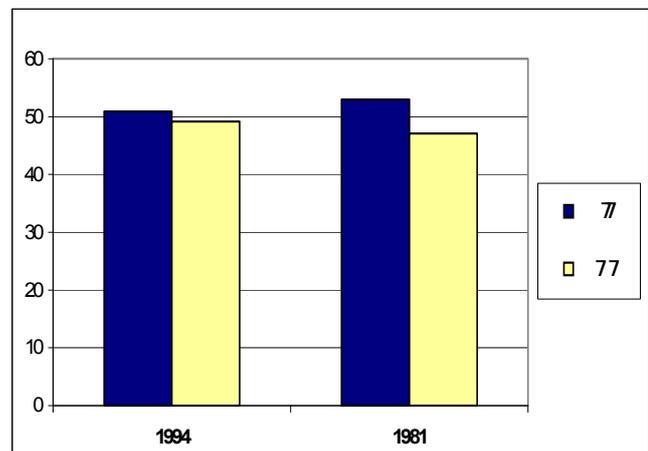
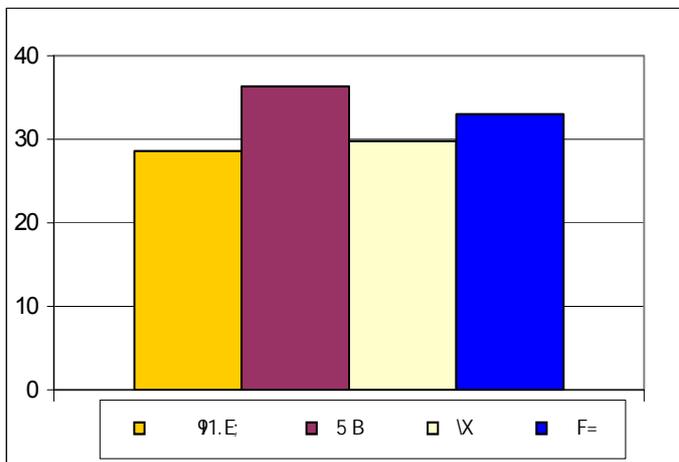
17.7	17.7	0	17.7	
-	45.9	36.5	60.6	
-	36.1	33	38	
35.5	31.6	25.6	37	
31.1	31.1	31.4	30.7	
30.6	23.6	13.6	35.6	
23	43.6	46.3	37.2	
43.1	34.8	30	50.8	
32.6	33.1	29.2	42.1	
35.4	35.9	33.2	40	
22.5	23	23.3	22.5	
39.8	40.3	22.4	85.9	
21.4	21.9	16	41.8	
-	48.8	48.9	-	
28.6	33	29.8	36.3	

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10.1	-	10.1	
11.9	6.8	5.1	
21.6	8.4	13.2	
8.8	4.0	4.8	
8.0	5.3	2.7	
5.4	2.8	2.7	
5.2	3.7	1.5	
6.6	4.9	1.7	
7.4	5.0	2.4	
4.0	2.4	1.6	
2.0	1.4	0.6	
4.4	2.8	1.6	
4.3	3.1	1.1	
0.4	0.4		
100.0	50.9	49.1	

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9.8	12.3	1017	1109	
7.6	10.2	793	919	
22.1	20.7	2306	1877	
9.3	9	965	818	
8.7	8.1	905	737	
6.4	6.1	666	552	
5.6	4.5	589	408	
7.4	6.4	774	580	
6	7.4	628	670	
3.3	3.9	345	350	
2.7	2.2	277	200	
4	4	415	363	
5	4.9	526	441	
2.1	0.3	214	26	
100	100	10420	9050	

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$$y = a + bx$$

y :

X :

SPSS

$$Y = 2.1 + 0.7x$$

ومعادلة هي

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p-value

Variables Entered/Removed(b)

Model	Variables Entered	Variables Removed	Method
1	81		Enter

	(a)		
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a. All requested variables entered.

1981

b. Dependent Variable:

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	0.940	0.883	0.874	1.79928

a. Predictors: (Constant), 81

ANOVA(b)

Model	Sum of Squares	df	Mean Square	F	Sig.
1 Regression	293.920	1	293.920	90.788	0.000
Residual	38.849	12	3.237		
Total	332.769	13			

a. Predictors: (Constant), 81

1981

b. Dependent Variable:

Coefficients(a)

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
1 (Constant)	2.090	0.712	2.936	0.012
81	0.700	0.073	9.528	0.000

1981

a. Dependent Variable:

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8.4	10.1	1319	1395	
7.7	11.9	1201	1643	
22.9	21.6	3587	2982	
9.1	8.8	1434	1213	
8.8	8	1376	1103	
5.8	5.4	918	744	
6.1	5.2	963	717	
7.8	6.6	1229	911	
6.4	7.4	996	1021	
3.7	4	573	551	
2.4	1.9	373	262	
4.2	4.4	666	606	
4.6	4.3	716	593	
2.1	0.4	321	41	
100	100	15672	13782	

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$$Y = a_1 + a_2x_1 + a_3x_2 + a_4x_3$$

y :

X1 :

X2 .

X3 .

SPSS

$$Y = -0.35 + 0.006x_2 + 0.002x_3$$

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p-value

Regression

Model Summary				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	0.888	0.789	0.772	2.52318
2	0.945	0.894	0.875	1.87117

a. Predictors: (Constant),

b. Predictors: (Constant),

ANOVA(c)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	286.337	1	286.337	44.976	0.000
	Residual	76.397	12	6.366		
	Total	362.734	13			
2	Regression	324.220	2	162.110	46.300	0.000
	Residual	38.514	11	3.501		
	Total	362.734	13			

a. Predictors: (Constant),

b. Predictors: (Constant),

c. Dependent Variable:

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	0.069	1.265		0.055	0.957
		0.008	0.001	0.888	6.706	0.000
2	(Constant)	-0.535	0.956		-0.560	0.587
		0.006	0.001	0.650	5.321	0.000
		0.002	0.001	0.402	3.289	0.007

a. Dependent Variable:

Excluded Variables(c)

Model	Beta In	t	Sig.	Partial Correlation	Collinearity Statistics
					Tolerance
1	0.300	2.651	0.023	0.624	0.912
94	0.402	3.289	0.007	0.704	0.647

b. Predictors in the Model: (Constant),

c. Dependent Variable:

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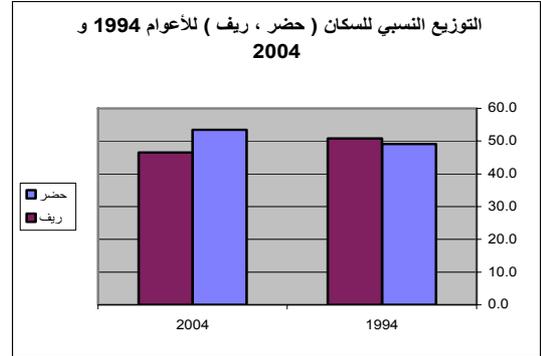
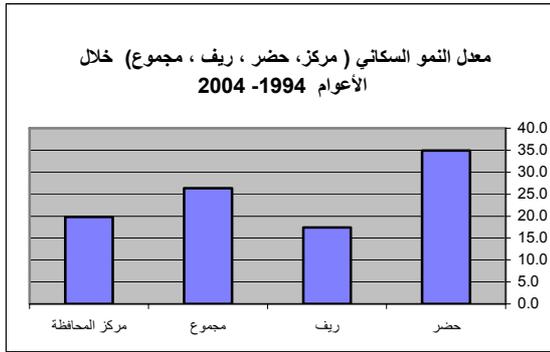
10.8	10.8	0	10.8	
0	32.8	-16.2	76.3	
30.2	31.2	28.1	33.1	
19.1	23.1	24.1	22.3	
17	23.5	18.6	32.7	
21	16.5	12	21.1	
42	35.1	8.8	83.4	
22.7	33.5	29.4	44.5	
47.9	22.3	16.9	32.7	
30.6	36.7	40.1	31.6	
24.8	15.6	12.4	23.3	
26.3	33.5	20	53.2	
24.5	17.9	14.4	27.3	
0	31.7	31.7	0	
19.8	26.6	17.4	35.4	

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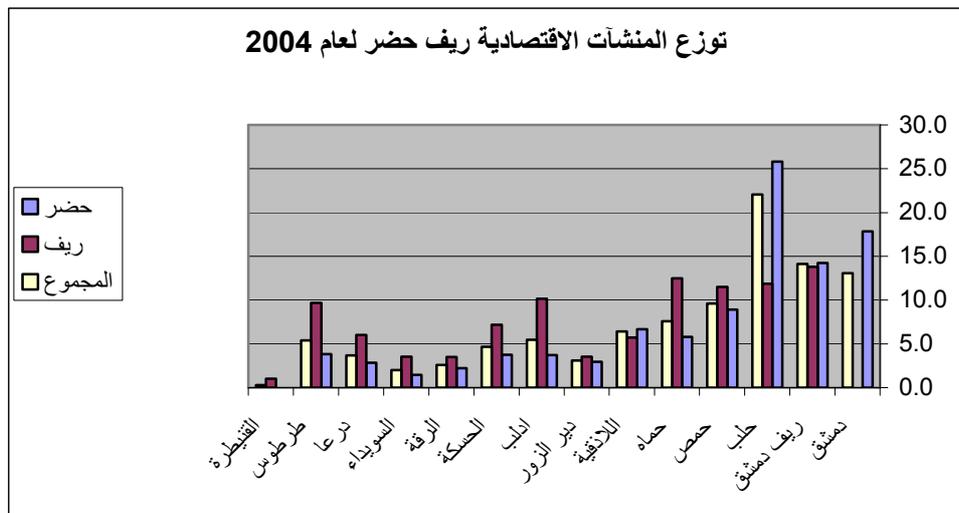
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13.1	0.0	17.9	
14.1	13.8	14.2	
22.1	11.9	25.8	
9.6	11.5	8.9	
7.6	12.5	5.8	
6.4	5.7	6.7	
3.1	3.5	3.0	
5.5	10.2	3.7	
4.7	7.2	3.7	
2.6	3.5	2.2	
2.0	3.5	1.5	
3.7	6.0	2.8	
5.4	9.7	3.8	
0.3	1.0	0.0	
100.0	100.0	100.0	

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%	2004	1994	%	2004	1994	
1.02	6.4	6.7	1.02	19.3	20.6	
1.02	19.8	19.8	1.03	18.8	17.6	
1.03	8.3	7.0	1.03	11.0	11.0	
1.02	8.4	8.6	1.02	9.8	10.8	
1.01	8.3	9.3	1.03	7.6	7.2	
1	5.6	6.6	1.02	7.1	7.6	
1.02	7.2	7.0	1.04	4.3	3.9	
1.01	11.9	12.4	1.0	3.3	4.1	
1.06	4.9	3.4	1.04	3.0	2.7	
1.01	5.5	6.2	1.03	6.0	5.7	
1.02	6.1	5.7	1.05	3.0	2.4	
1.03	4.4	4.0	1.03	4.1	4.0	
1.01	2.6	2.7	1.03	2.3	2.1	
1.01	0.7	0.7	1.04	0.3	0.3	
1.02	100.0	100.0	1.03	100.0	100.0	

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0	6.4	0	19.4	
3.6	4.7	3.1	8	
10.6	9.2	2.5	16.2	
5.5	2.8	2.6	7.2	
6.6	1.8	2.4	5.2	
3.6	2	1.1	6	
3.1	1.9	0.6	2.3	
5.8	1.3	1.8	2.5	
9.1	2.8	1.3	2	
5.2	0.9	0.8	2.2	
1.9	0.7	0.8	1.5	
2.5	1.9	1.5	2.6	
4.2	1.3	2	4	
0.6	0.1	0.2	0.1	
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$$Y = a_1 + a_2x_1 + a_3x_2 + a_4x_3$$

y :

X1 :

X2 .

X3 .

SPSS

$$Y = -0.114 + 0.57x_1 + 0.003x_3$$

0.93

p-value

Regression

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	0.926	0.857	0.846	2.12968
2	0.965	0.931	0.918	1.55044

a. Predictors: (Constant), 2004

b. Predictors: (Constant), 2004

ANOVA(c)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	327.208	1	327.208	72.143	0.000
	Residual	54.426	12	4.536		
	Total	381.634	13			
2	Regression	355.192	2	177.596	73.879	0.000
	Residual	26.442	11	2.404		
	Total	381.634	13			

a. Predictors: (Constant), 2004

b. Predictors: (Constant), 2004

2004

c. Dependent Variable:

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1.352	0.917		1.474	0.166

	2004	0.855	0.101	0.926	8.494	0.000
	(Constant)	-0.114	0.794		-0.143	0.889
	2004	0.517	0.123	0.560	4.197	0.001
2		0.003	0.001	0.455	3.412	0.006

2004

a. Dependent Variable:

Excluded Variables(c)

Model	Beta In	t	Sig.	Partial Correlation	Collinearity Statistics
					Tolerance
1	0.455	3.412	0.006	0.717	0.354
	-0.709	-3.300	0.007	-0.705	0.141
	0.057	0.317	0.757	0.095	0.398

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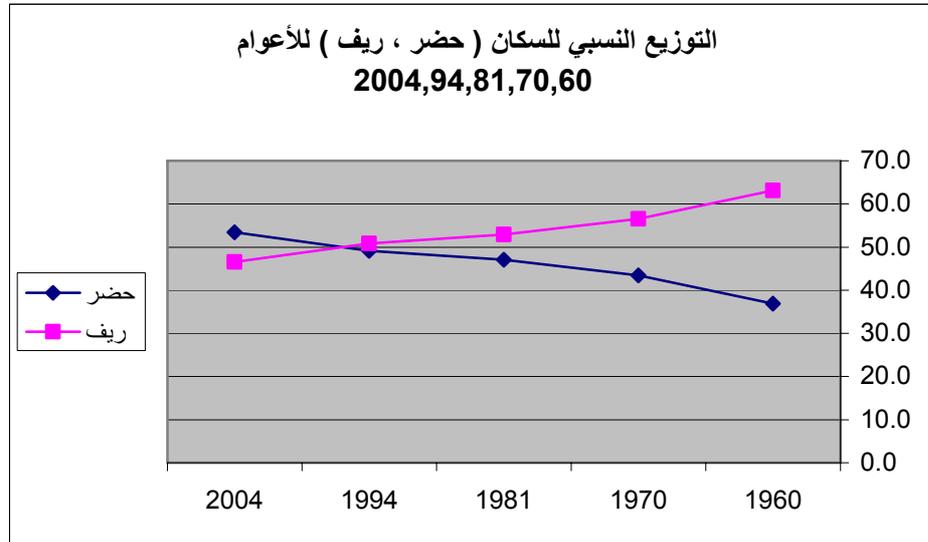
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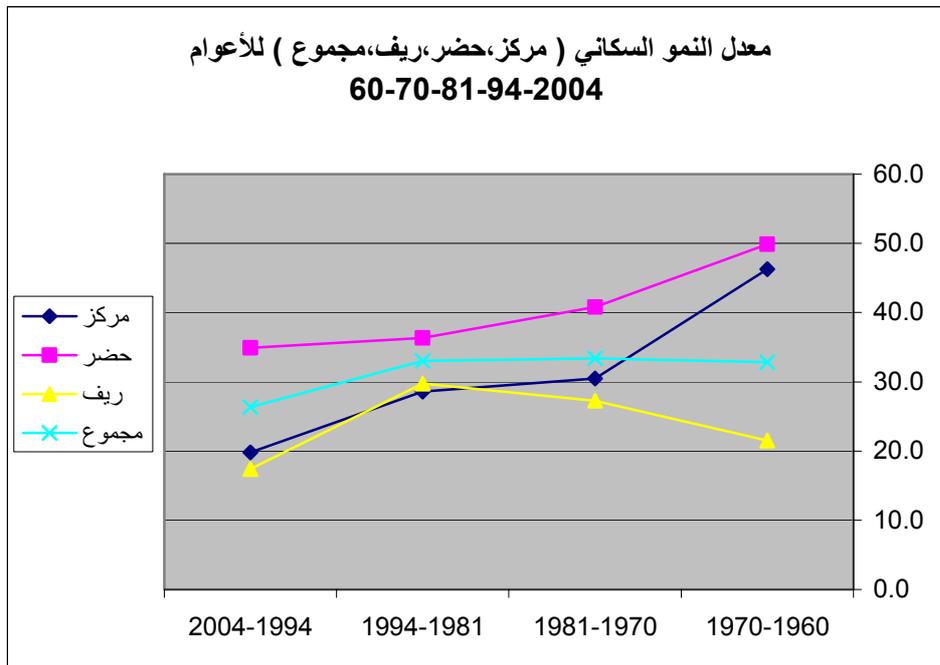
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