

2004
2025

*

2004

Population Analysis
DemProj
2004

"

"System

.1994 1979

.2025-2006

:

(2)

)

(

()

(1)

.2004

*

.2007/11/25

2007/4/3

2004/12/3 - 11/27

2025-2004

27/26

.2004

(1)

"

%91

"Population Analysis System

.(%97.8 %98.3)

(3)

⁽⁴⁾DemProj

%100

.()

(1)

()

2004

5,318,808

5,103,639

.2004

.()

(%0.08)

1994

.2004

2004

(1994)

2004 - 1994

.(2)

2004

⁽⁵⁾1994

(1)
2004

		*(%)	
2062512	1942066	94.1	
355092	346354	97.5	
785583	764650	97.3	
134390	129960	96.7	
948958	928292	97.8	
251853	244188	96.9	
159825	153602	96.1	
122145	118725	97.2	
209355	204185	97.5	
76567	75267	98.3	
103422	94253	91.0	
109106	102097	93.2	
5318808	5103639	95.9	

.2004 : *

(5.45)

2004

(6)

(5.32)

2004

2004-1994

%5
1,349

1,417 (6)

.1994

(2)

2004	2004
5318808	() 2004
⁽⁷⁾ 5480000	2003
5882167	⁽⁸⁾ () 1997 -
5447108	⁽⁹⁾ (1996) 1997

90

(⁽¹¹⁾90
 (3) 6.1 %37.3 %41.3
 (60) 5.4
 2004 1994 1979 2004 %5.2 %4.2

2004
 (1.9) 90
 (2.9)
 0.3- (10)
 0.7 0.5- 0.5

1994 2004
 ()

1994

4 2004

(4)

2004

(Myers)

(Whipple)

(4)

2004

3)

(

(3)

2004 1994 1979

2004	1994	1979	
1.01	1.0	1.1	()
1.0	0.99	1.1	()
1.01	1.01	1.2	()
2.3	2.9	7.3	()
1.9	2.1	4.4	()
2.9	3.8	10.5	()

(3)

2004

()	()	()	()	()	()	
2.8	2.2	2.5	1.01	1.00	1.01	
3.5	1.7	2.6	1.03	1.00	1.01	
2.7	1.5	2.1	1.02	1.00	1.01	
4.2	2.1	3.0	0.99	0.99	0.99	
2.5	1.5	1.8	1.01	1.01	1.01	
4.8	2.9	3.8	0.99	1.00	1.00	
3.3	1.7	2.1	1.03	1.01	1.02	
2.7	2.1	2.3	1.02	1.00	1.01	
3.5	3.1	3.2	0.99	0.98	0.99	
4.0	2.4	3.0	0.95	0.95	0.95	
4.3	4.6	4.4	1.01	1.00	1.00	
4.9	3.0	3.7	1.03	1.02	1.02	
2.9	1.9	2.3	1.01	1.00	1.01	

(4 4)

(4)

2004

(4)

(5)

2004

2004/10/2

:(4)

4

4

5,103,639

2004

5,318,808

5,103,639	2,477,352	2,626,287	
122,757	60,114	62,643	
527,574	257,001	270,573	4 - 1
71642,8	313,738	329,133	9 - 5
9610,12	297,046	313,083	14 - 10
559,838	272,145	287,693	19 - 15
540,193	260,593	279,600	24 - 20
456,261	216,487	239,774	29 - 25
399,169	191,991	207,178	34 - 30
323,426	155,689	167,737	39 - 35
241,400	117,455	123,945	44 - 40
6170,45	83,358	87,098	49 - 45
40128,2	63,633	64,607	54 - 50
1113,72	57,956	55,765	59 - 55
98,787	46,703	52,084	64 - 60
371,82	34,728	37,095	69 - 65
46,820	23,353	23,467	74 - 70
824,26	11,617	12,651	79 - 75
022,06	11,923	10,137	+ 80
463,8	1,822	2,024	

5,103,639

) 2004

:

5,318,808

(

(1

)

.(4)

(4)

2004

)	%						
	(
1.06	100	100	100	2,581,838	2,736,970	5,318,808	
				1.0429	1.0429		
1.04	2.43	2.39	2.41	62,696	65,333	128,029	
1.05	10.38	10.31	10.35	268,038	282,194	550,232	4 - 1
1.05	12.67	12.54	12.61	327,208	343,267	670,475	9 - 5
1.05	12.00	11.93	11.96	309,802	326,527	636,329	14 - 10
1.06	10.99	10.96	10.98	283,833	300,049	583,882	19 - 15
1.07	10.53	10.65	10.59	271,782	291,610	563,392	24 - 20
1.11	8.75	9.14	8.95	225,785	250,072	475,857	29 - 25

)	%						
	(
1.08	7.76	7.89	7.83	200,235	216,077	416,312	34 – 30
1.08	6.29	6.39	6.34	162,376	174,941	337,317	39 – 35
1.06	4.74	4.72	4.73	122,497	129,270	251,767	44 – 40
1.04	3.37	3.32	3.34	86,939	90,836	177,775	49 – 45
1.02	2.57	2.46	2.51	66,366	67,381	133,747	54 – 50
0.96	2.34	2.12	2.23	60,445	58,159	118,604	59 – 55
1.12	1.89	1.98	1.94	48,709	54,321	103,030	64 – 60
1.07	1.40	1.41	1.41	36,219	38,690	74,909	69 – 65
1.00	0.94	0.89	0.92	24,356	24,475	48,831	74 – 70
1.09	0.47	0.48	0.48	12,115	13,194	25,309	79 – 75
0.85	0.48	0.39	0.43	12,437	10,574	23,011	+ 80

2004
1994)
40-20
4.2) (1979
.40 (5.5 4.8 3.6) (6.1 5.1
(17.9)
27.7 33.5

2004
2004
40-20
(5)
2004

.(%15.2)

(5)

2004 1994 1979

2004			1994	1979	
4.1	4.4	4.2	5.1	6.1	()
3.0	4.0	3.6	4.8	5.5	()
3.7	3.5	3.3	7.9	5.4	
18.2	18.9	17.9	33.5	27.7	-

(5)

2004

-

-		()	()	
20.8	4.1	4.6	4.0	
19.5	3.6	4.2	4.7	
21.5	3.6	4.9	5.8	
26.1	6.1	3.6	4.3	
16.1	3.0	3.5	3.6	
26.8	5.7	3.7	6.1	
16.1	2.9	3.2	4.1	
19.8	4.4	3.6	3.1	
24.9	5.0	4.2	5.7	
23.8	4.1	5.0	6.4	
28.9	6.5	3.3	6.1	
46.0	11.0	5.6	7.5	
17.9	3.3	3.6	4.2	

(1968) Arriaga

(6 6 6)

Strong

2004

(6)

(6)

2004

(4)

)							
	(100							
	106					2,581,838	2,736,970	
	105.1					330,734	347,527	4 - 0
-0.2	104.9	2.2	1.9	102.2	101.9	327,208	343,267	9 - 5
0.5	105.4	1.4	1.5	101.4	101.5	309,802	326,527	14-10
0.3	105.7	-2.4	-2.9	97.6	97.1	283,833	300,049	19-15
1.6	107.3	6.7	6.0	106.7	106.0	271,782	291,610	24-20
3.5	110.8	-4.3	-1.5	95.7	98.5	225,785	250,072	29-25
-2.9	107.9	3.2	1.7	103.2	101.7	200,235	216,077	34-30
-0.2	107.7	0.6	1.3	100.6	101.3	162,376	174,941	39-35

) (100							
-2.2	105.5	-1.7	-2.7	98.3	97.3	122,497	129,270	44-40
-1.0	104.5	-7.9	-7.6	92.1	92.4	86,939	90,836	49-45
-3.0	101.5	-9.9	-9.6	90.1	90.4	66,366	67,381	54-50
-5.3	96.2	5.1	-4.4	105.1	95.6	60,445	58,159	59-55
15.3	111.5	0.8	12.2	100.8	112.2	48,709	54,321	64-60
-4.7	106.8	-0.9	-1.8	99.1	98.2	36,219	38,690	69-65
-6.3	100.5	0.0	0.0			24,356	24,475	74-70
	96.8					24,552	23,768	+ 75
						:		
						4.2 =		
						3.6 =		
						3.3 =		
						17.9 =		

(6)

2004

2,581,838	2,736,970	
330,734	347,527	4 - 0
327,208	343,267	9 - 5
309,802	326,527	14-10
283,833	300,049	19-15
271,782	291,610	24-20
225,785	250,072	29-25
200,235	216,077	34-30
162,376	174,941	39-35
122,497	129,270	44-40
86,939	90,836	49-45
66,366	67,381	54-50
60,445	58,159	59-55
48,709	54,321	64-60
36,219	38,690	69-65
24,356	24,475	74-70
12,115	13,194	79-75
12,437	10,574	+ 80

<i>Strong</i>	<i>United Nations</i>	<i>Arriaga</i>	<i>K.-King Newton</i>	<i>Carrier Farrag</i>		
0.88	2.09	2.39	2.52	2.40	3.63	
2.01	3.43	4.20	4.17	4.46	4.99	
1.66	2.62	2.91	3.00	3.17	4.26	
6.30	12.31	14.27	14.72	14.82	20.13	

69-65 14-10

(6)

2004

Strong	United Nations	Arriaga	K.-King Newton	Carrier Farrag		
2,726,396		2,726,396			2,726,396	79-0
1,997,933	1,998,010	1,997,933	1,997,933	1,997,933	1,997,933	69-10
353,074		352,563			347,527	4 - 0
337,720		338,231			343,267	9 - 5
321,284	324,962	323,038	322,608	322,808	326,527	14-10
299,434	304,981	303,538	303,969	303,768	300,049	19-15
277,925	285,874	286,934	285,563	286,786	291,610	24-20
246,732	253,530	254,748	256,119	254,896	250,072	29-25
210,778	214,996	216,029	215,608	217,425	216,077	34-30
174,750	174,368	174,989	175,411	173,593	174,941	39-35
133,741	129,522	125,055	126,645	125,578	129,270	44-40
105,186	91,367	95,051	93,461	94,528	90,836	49-45
79,005	67,887	69,421	70,713	69,503	67,381	54-50
61,888	58,680	56,119	54,827	56,037	58,159	59-55
49,971	52,422	52,473	51,997	53,451	54,321	64-60
37,240	39,421	40,538	41,014	39,560	38,690	69-65
24,855		26,703			24,475	74-70
12,814		10,966			13,194	79-75
					10,574	+ 80
2,569,401		2,569,401			2,569,401	79-0
1,874,988	1,875,383	1,874,988	1,874,988	1,874,988	1,874,988	69-10
337,150		335,686			330,734	4 - 0
320,792		322,256			327,208	9 - 5

2004-1994	2004	1994	
0.39	1.94	1.55	64 - 60
0.32	1.41	1.09	69 - 65
0.22	0.92	0.70	74 - 70
0.12	0.48	0.36	79 - 75
00.0	0.43	0.43	+ 80
-	100.00	100.00	
4.76 -	37.32	42.08	14 - 0
4.09 +	59.44	55.35	64 - 15
0.66 +	3.23	2.57	+ 65
-	100.00	100.00	

2025 - 2004

2025

.2020

(8)

(2004)

.2025-2006

.2025

(8)

2025-2006

15						
6-5=(7)	(6)	(5)	3-2=(4)	(3)	(2)	(1)
11,806	2,033,021	2,044,827	11,806	5,579,650	5,591,456	2006
24,186	2,057,389	2,081,575	24,186	5,709,306	5,733,492	2007
41,261	2,079,859	2,121,120	41,261	5,837,899	5,879,160	2008
63,301	2,100,239	2,163,540	63,301	5,965,057	6,028,358	2009
90,890	2,117,895	2,208,785	90,890	6,090,088	6,180,978	2010
123,217	2,133,508	2,256,725	123,218	6,213,668	6,336,886	2011
160,440	2,146,781	2,307,221	160,441	6,335,530	6,495,971	2012
202,707	2,157,402	2,360,109	202,707	6,455,410	6,658,117	2013
250,148	2,165,055	2,415,203	250,148	6,573,021	6,823,169	2014
302,893	2,169,575	2,472,468	302,893	6,688,140	6,991,033	2015
361,067	2,170,751	2,531,818	361,067	6,800,560	7,161,627	2016
424,782	2,168,469	2,593,251	424,782	6,910,041	7,334,823	2017
494,148	2,162,694	2,656,842	494,147	7,016,379	7,510,526	2018
569,262	2,153,543	2,722,805	569,262	7,119,377	7,688,639	2019
646,612	2,128,745	2,775,357	650,420	7,219,016	7,869,436	2020
721,171	2,105,375	2,826,546	732,892	7,319,122	8,052,014	2021
792,701	2,083,747	2,876,448	816,730	7,419,579	8,236,309	2022
860,974	2,064,167	2,925,141	901,993	7,520,263	8,422,256	2023
925,777	2,046,907	2,972,684	988,731	7,621,036	8,609,767	2024
987,046	2,033,126	3,020,172	1,077,471	7,722,319	8,799,790	2025

.Jordan DemProj Model 2004-2025, file: *RECENT.PJN AND RECENTC.PJN* :

2025

1994 1979

2004

2025

2004

2004 .5 54 2003

2004

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Evaluation, Adjustment, and Smoothing of Jordan 2004 Population and Housing Census Data and Projecting Population up to 2025

*Issa S. Almasarweh**

ABSTRACT

This study carried out an evaluation of Jordan 2004 Population and Housing Census data utilizing the raw data and appropriate techniques used by international and research community worldwide. To apply these techniques, the researcher employed a number of models and programs imbedded into two software, the Population Analysis System (PAS) and Demographic Projection Model (DemProj). The results showed a relatively high quality of data and improvement in data quality especially among males compared with the quality of data for the two previous censuses of 1979 and 1994. The study also carried out the necessary corrections, adjustment and smoothing of the original data and concluded by running a series of population projections for the future period of 2006-2025 using the adjusted data that is free from coverage and content errors.

Keywords: Data Evaluation, Data Adjustment and Smoothing, Population Projections.

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