

## Appendix 7: Modeled Population Trend of Economies

USA	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Actual Population	227726.5	229966.2	232187.8	234307.2	236348.3	238466.3	240650.8	242803.5	245021.4	247341.7
Modeled Population	227844.8	229568.6	231292.4	233016.2	234740	236463.8	238187.6	239911.4	241635.2	243359
CHN	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Actual Population	981235	993861	1000281	1023288	1036825	1051040	1066790	1084035	1101630	1118650
Modeled Population	455572.2	466204.2	476836.3	487468.4	498100.4	508732.5	519364.6	529996.6	540628.7	551260.8
BRA	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Actual Population	123020	125992	129028	131960	134699	137382	140196	143027	145873	148659
Modeled Population	71056.85	73236.94	75417.04	77597.13	79777.23	81957.33	84137.42	86317.52	88497.61	90677.71
IND	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989

Actual Population	679000	692000	708000	723000	739000	755000	771000	788000	805000	822000
Modeled Population	248735.9	261903.4	275070.9	288238.5	301406	314573.5	327741	340908.5	354076.1	367243.6
HKG	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Actual Population	4834.76	4936.986	5022.737	5097.878	5171.49	5250.12	5335.942	5426.563	5518.602	5606.864
Modeled Population	28.1275	28.5295	28.9315	29.3335	29.7355	30.1375	30.53949	30.94149	31.34349	31.74549
HTI	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Actual Population	5483	5595	5709	5827	5950	6076	6205	6335	6459	6586
Modeled Population	8891.862	9550.884	10209.91	10868.93	11527.95	12186.97	12845.99	13505.01	14164.04	14823.06
GRC	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Actual Population	9642.505	9729.35	9786.48	9840.526	9887.169	9923.253	9951.37	9974.49	9982.723	10030.77
Modeled Population	82011.68	82912.3	83812.91	84713.53	85614.15	86514.76	87415.38	88316	89216.61	90117.23

ISR	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Actual Population	3737.473	3801.338	3858.421	3926.893	3997.337	4068.47	4139.683	4210.377	4282.043	4355.345
Modeled Population	8617.246	8746.491	8875.735	9004.98	9134.224	9263.469	9392.713	9521.958	9651.202	9780.447
KEN	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Actual Population	16330.54	16987.23	17659.97	18347.99	19050.21	19761.49	20477.12	21195.78	21915.87	22634.77
Modeled Population	44873.11	46336.19	47799.27	49262.35	50725.43	52188.5	53651.58	55114.66	56577.74	58040.82
MWI	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Actual Population	6258.512	6459.263	6668.216	6883.756	7104.46	7330.508	7608.484	8049.175	8579.782	9082.018
Modeled Population	17312.6	19441.33	21570.06	23698.79	25827.52	27956.25	30084.98	32213.71	34342.44	36471.17
GBR	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Actual Population	56314	56382.6	56339.7	56382.62	56462.23	56620.24	56796.26	56981.62	57159.6	57324.47

Modeled Population	49927.46	50576.72	51225.98	51875.24	52524.5	53173.77	53823.03	54472.29	55121.55	55770.81
SAU	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Actual Population	9999.161	10627.41	11254.67	11912.03	12606.94	13330.07	13998.3	14619.75	15233.13	15829.36
Modeled Population	2045.202	2118.424	2191.645	2264.867	2338.088	2411.31	2484.531	2557.753	2630.974	2704.196
JPN	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Actual Population	116807.3	117648.1	118455	119269.9	120034.7	120754.3	121491.9	122091.3	122613	123107.5
Modeled Population	163844.8	165129	166413.2	167697.4	168981.6	170265.8	171550	172834.2	174118.4	175402.6
FIN	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Actual Population	4779.535	4799.964	4826.933	4855.787	4881.788	4901.783	4917.386	4931.729	4946.633	4962.441
Modeled Population	32006.64	32365.67	32724.7	33083.73	33442.76	33801.79	34160.82	34519.85	34878.88	35237.91
AUS	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989

Actual Population	14615.9	14923.26	15162	15348	15510	15695	15900	16137	16400	16681
Modeled Population	66446.37	67020.56	67594.75	68168.94	68743.13	69317.32	69891.51	70465.7	71039.89	71614.08
DMA	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Actual Population	74	74	74	74	74	73	72	72	71	71
Modeled Population	51.23382	51.73334	52.23287	52.73239	53.23192	53.73145	54.23097	54.7305	55.23002	55.72955

1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
250131.9	253496.9	257037.4	260448.7	263662.4	266821.4	269943.7	273203	276416.7	279609.2	282737.9	285550.1
245082.8	246806.6	248530.4	250254.2	251978	253701.8	255425.6	257149.4	258873.2	260596.9	262320.7	264044.5
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
1135185	1149979	1163363	1176727	1189962	1202581	1215171	1227453	1238722	1248899	1258401	1267178
561892.8	572524.9	583157	593789	604421.1	615053.2	625685.2	636317.3	646949.3	657581.4	668213.5	678845.5
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
151170	153734.6	156280.9	158813.4	161327.2	163819.3	166306.3	168806.1	171317.2	173839.3	176369.4	178873.1

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1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
23354.48	24104.61	24986.23	25764.6	26399.45	27091.5	27812.89	28575.59	29375.16	30191.65	31024.77	31919.02
59503.89	60966.97	62430.05	63893.13	65356.21	66819.28	68282.36	69745.44	71208.52	72671.59	74134.67	75597.75
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
9536.25	9874.126	10202.99	10333.04	10102	9993.159	10204.85	10474.08	10756	11043.75	11339.01	11651.19
38599.9	40728.63	42857.36	44986.09	47114.82	49243.55	51372.28	53501.01	55629.74	57758.47	59887.2	62015.93
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
57493.31	57671.38	57827.55	57966.36	58114.12	58268.06	58416.62	58567.27	58738.18	58934.35	59145.3	59373.43
56420.07	57069.34	57718.6	58367.86	59017.12	59666.38	60315.64	60964.91	61614.17	62263.43	62912.69	63561.95
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
16060.76	16593.93	17098.49	17573.97	18020.34	18440.13	18830.98	19200.3	19572.45	19979.29	20443.6	20976.66
2777.417	2850.639	2923.86	2997.082	3070.304	3143.525	3216.747	3289.968	3363.19	3436.411	3509.633	3582.854
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
123537.4	124027.8	124467.1	124870.5	125216.8	125537	125812.2	126112.5	126450.7	126688.9	126933.1	127234.4
176686.7	177970.9	179255.1	180539.3	181823.5	183107.7	184391.9	185676.1	186960.3	188244.5	189528.7	190812.9
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
4986.431	5013.741	5041.993	5066.448	5088.334	5107.791	5124.574	5139.835	5153.498	5165.475	5176.209	5188.009

35596.94	35955.97	36315	36674.03	37033.06	37392.09	37751.12	38110.15	38469.18	38828.21	39187.24	39546.27
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
16956	17162.4	17338.18	17498.16	17669.99	17894.16	18101.54	18279.3	18472.86	18683.2	18902.43	19144.38
72188.28	72762.47	73336.66	73910.85	74485.04	75059.23	75633.42	76207.61	76781.8	77356	77930.19	78504.38
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
70	70	70	70	71	71	71	70	70	70	71	71
56.22908	56.7286	57.22813	57.72765	58.22718	58.72671	59.22623	59.72576	60.22528	60.72481	61.22434	61.72386

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2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
1041329	1058312	1075237	1092068	1108736	1125263	1141711	1158059	1174285	1190366	1206283	1222026
538421.4	551588.9	564756.4	577923.9	591091.5	604259	617426.5	630594	643761.6	656929.1	670096.6	683264.1
2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
6604.041	6641.352	6674.736	6714.011	6778.814	6812.197	6837.726	6869.146	6924.13	6981.079	7040.973	7080.247
36.97146	37.37346	37.77546	38.17746	38.57946	38.98145	39.38345	39.78545	40.18745	40.58945	40.99145	41.39344
2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
8580	8739	8900	9061	9216	9364	9508	9652	9553	9670	9793	9922
23390.34	24049.36	24708.39	25367.41	26026.43	26685.45	27344.47	28003.5	28662.52	29321.54	29980.56	30639.58
2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
10830.19	10856.06	10882.96	10914.92	10947.75	10975.67	11004.85	11033.83	11048.06	11031.73	10972.23	10892.96
101825.2	102725.9	103626.5	104527.1	105427.7	106328.3	107228.9	108129.6	109030.2	109930.8	110831.4	111732
2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
6379.326	6502.359	6628.561	6753.78	6878.919	7004.633	7131.557	7262.47	7399.028	7538.545	7679.68	7819.867
11460.62	11589.87	11719.11	11848.36	11977.6	12106.85	12236.09	12365.34	12494.58	12623.83	12753.07	12882.31
2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
32865.23	33846.16	34880.3	35961.34	37092.66	38248.62	39441.91	40670.53	41903.38	43202.74	44476.96	45647.97

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2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
19360.65	19579.88	19796.15	20058.84	20370.9	20754.07	21208.33	21593.47	21895.66	22241.29	22642.23	23007.62
79078.57	79652.76	80226.95	80801.14	81375.33	81949.52	82523.71	83097.91	83672.1	84246.29	84820.48	85394.67
2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
72	72	72	72	72	72	73	73	73	73	73	73
62.22339	62.72291	63.22244	63.72197	64.22149	64.72102	65.22055	65.72007	66.2196	66.71912	67.21865	67.71818

2014	2015	2016	2017	2018
319035.7	321396.8	323730.2	325810.2	327834.7
286453.9	288177.7	289901.5	291625.3	293349.1
2014	2015	2016	2017	2018
1358076	1364827	1372860	1380177	1385439
817062.4	827694.5	838326.5	848958.6	859590.7
2014	2015	2016	2017	2018
205044.7	206666.6	208248.9	209796.7	211307.8
145180.1	147360.2	149540.3	151720.4	153900.5
2014	2015	2016	2017	2018

1237585	1252952	1268155	1283222	1298136
696431.6	709599.2	722766.7	735934.2	749101.7
2014	2015	2016	2017	2018
7121.486	7177.452	7243.237	7278.585	7350.261
41.79544	42.19744	42.59944	43.00144	43.40343
2014	2015	2016	2017	2018
10047	10254	10486	10646.71	10788.44
31298.61	31957.63	32616.65	33275.67	33934.69
2014	2015	2016	2017	2018
10820.64	10749.58	10704.97	10683.81	10662.16
112632.6	113533.3	114433.9	115334.5	116235.1
2014	2015	2016	2017	2018
7954.39	8083.103	8208.841	8334.546	8460.269
13011.56	13140.8	13270.05	13399.29	13528.54
2014	2015	2016	2017	2018
46818.57	47994.91	49108.28	50214.87	51371.55
94617.76	96080.84	97543.92	99007	100470.1

2014	2015	2016	2017	2018
17705.03	18303.33	18920.37	19558.09	20216.59
89689.42	91818.15	93946.88	96075.61	98204.34
2014	2015	2016	2017	2018
64879.59	65395.71	65893.21	66342.4	66745.61
72002.35	72651.62	73300.88	73950.14	74599.4
2014	2015	2016	2017	2018
30587.08	31379.61	32097.66	32748.38	33343.54
4534.734	4607.956	4681.177	4754.399	4827.62
2014	2015	2016	2017	2018
126710.4	126527.2	126310.3	126097.4	125847.7
207507.4	208791.6	210075.8	211360	212644.2
2014	2015	2016	2017	2018
5461.512	5479.531	5495.303	5508.214	5515.525
44213.66	44572.69	44931.72	45290.75	45649.78
2014	2015	2016	2017	2018

23345.36	23686.06	24086.01	24466.21	24855.3
85968.86	86543.05	87117.24	87691.43	88265.63
2014	2015	2016	2017	2018
73	74	74	73.897	74.027
68.2177	68.71723	69.21675	69.71628	70.21581