

Appendix 2: Data of GDP, Population, and Productivity of Economies

Population

ISO	Country	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
USA	United States	227,726	229,966	232,188	234,307	236,348	238,466	240,651	242,804	245,021	247,342	250,132
CHN	China	981,235	993,861	1,000,281	1,023,288	1,036,825	1,051,040	1,066,790	1,084,035	1,101,630	1,118,650	1,135,185
BRA	Brazil	123,020	125,992	129,028	131,960	134,699	137,382	140,196	143,027	145,873	148,659	151,170
IND	India	679,000	692,000	708,000	723,000	739,000	755,000	771,000	788,000	805,000	822,000	839,000
HKG	Hong Kong SAR	4,835	4,937	5,023	5,098	5,171	5,250	5,336	5,427	5,519	5,607	5,688
HTI	Haiti	5,483	5,595	5,709	5,827	5,950	6,076	6,205	6,335	6,459	6,586	6,725
GRC	Greece	9,643	9,729	9,786	9,841	9,887	9,923	9,951	9,974	9,983	10,031	10,130
ISR	Israel	3,737	3,801	3,858	3,927	3,997	4,068	4,140	4,210	4,282	4,355	4,478
KEN	Kenya	16,331	16,987	17,660	18,348	19,050	19,761	20,477	21,196	21,916	22,635	23,354
MWI	Malawi	6,259	6,459	6,668	6,884	7,104	7,331	7,608	8,049	8,580	9,082	9,536
GBR	United Kingdom	56,314	56,383	56,340	56,383	56,462	56,620	56,796	56,982	57,160	57,324	57,493
SAU	Saudi Arabia	9,999	10,627	11,255	11,912	12,607	13,330	13,998	14,620	15,233	15,829	16,061
JPN	Japan	116,807	117,648	118,455	119,270	120,035	120,754	121,492	122,091	122,613	123,108	123,537
FIN	Finland	4,780	4,800	4,827	4,856	4,882	4,902	4,917	4,932	4,947	4,962	4,986
AUS	Australia	14,616	14,923	15,162	15,348	15,510	15,695	15,900	16,137	16,400	16,681	16,956
DMA	Dominica	74	74	74	74	74	73	72	72	71	71	70
AVG	Average	141,241	143,361	145,270	148,145	150,475	152,855	155,346	157,993	160,668	163,308	165,906

1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
253,497	257,037	260,449	263,662	266,821	269,944	273,203	276,417	279,609	282,738	285,550	288,212
1,149,979	1,163,363	1,176,727	1,189,962	1,202,581	1,215,171	1,227,453	1,238,722	1,248,899	1,258,401	1,267,178	1,275,379
153,735	156,281	158,813	161,327	163,819	166,306	168,806	171,317	173,839	176,369	178,873	181,316
854,581	870,986	887,634	904,486	921,509	938,667	955,884	973,088	990,243	1,007,310	1,024,322	1,041,329
5,750	5,821	5,930	6,050	6,200	6,350	6,399	6,464	6,518	6,590	6,608	6,604
6,850	6,983	7,139	7,300	7,464	7,629	7,792	7,957	8,121	8,279	8,430	8,580
10,252	10,331	10,391	10,444	10,493	10,539	10,591	10,650	10,691	10,735	10,791	10,830
4,650	4,824	5,000	5,178	5,357	5,520	5,666	5,815	5,968	6,123	6,260	6,379
24,105	24,986	25,765	26,399	27,092	27,813	28,576	29,375	30,192	31,025	31,919	32,865
9,874	10,203	10,333	10,102	9,993	10,205	10,474	10,756	11,044	11,339	11,651	11,983
57,671	57,828	57,966	58,114	58,268	58,417	58,567	58,738	58,934	59,145	59,373	59,625
16,594	17,098	17,574	18,020	18,440	18,831	19,200	19,572	19,979	20,444	20,977	21,573
124,028	124,467	124,870	125,217	125,537	125,812	126,112	126,451	126,689	126,933	127,234	127,503
5,014	5,042	5,066	5,088	5,108	5,125	5,140	5,153	5,165	5,176	5,188	5,201
17,162	17,338	17,498	17,670	17,894	18,102	18,279	18,473	18,683	18,902	19,144	19,361
70	70	70	71	71	71	70	70	70	71	71	72
168,363	170,791	173,202	175,568	177,915	180,281	182,638	184,939	187,165	189,349	191,473	193,551

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
290,700	293,402	296,119	298,988	301,846	304,714	307,397	309,957	312,215	314,514	316,702	319,036
1,283,064	1,290,620	1,298,245	1,305,116	1,311,877	1,318,559	1,324,993	1,331,357	1,337,752	1,344,394	1,351,026	1,358,076
183,692	185,994	188,212	190,348	192,408	194,394	196,305	198,142	199,924	201,670	203,378	205,045
1,058,312	1,075,237	1,092,068	1,108,736	1,125,263	1,141,711	1,158,059	1,174,285	1,190,366	1,206,283	1,222,026	1,237,585
6,641	6,675	6,714	6,779	6,812	6,838	6,869	6,924	6,981	7,041	7,080	7,121
8,739	8,900	9,061	9,216	9,364	9,508	9,652	9,553	9,670	9,793	9,922	10,047

10,856	10,883	10,915	10,948	10,976	11,005	11,034	11,048	11,032	10,972	10,893	10,821
6,502	6,629	6,754	6,879	7,005	7,132	7,262	7,399	7,539	7,680	7,820	7,954
33,846	34,880	35,961	37,093	38,249	39,442	40,671	41,903	43,203	44,477	45,648	46,819
12,335	12,709	13,106	13,529	13,978	14,452	14,950	15,469	16,006	16,557	17,123	17,705
59,904	60,245	60,660	61,108	61,586	62,072	62,544	63,036	63,530	63,974	64,404	64,880
22,217	22,886	23,562	24,237	24,916	25,613	26,346	27,129	27,966	28,844	29,732	30,587
127,737	127,837	127,855	127,849	127,860	127,795	127,654	127,529	127,419	127,141	126,923	126,710
5,213	5,228	5,246	5,266	5,289	5,313	5,339	5,363	5,388	5,414	5,439	5,462
19,580	19,796	20,059	20,371	20,754	21,208	21,593	21,896	22,241	22,642	23,008	23,345
72	72	72	72	72	73	73	73	73	73	73	73
195,588	197,625	199,663	201,658	203,641	205,614	207,546	209,441	211,332	213,217	215,075	216,954

2015	2016	2017	2018
321,397	323,730	325,810	327,835
1,364,827	1,372,860	1,380,177	1,385,439
206,667	208,249	209,797	211,308
1,252,952	1,268,155	1,283,222	1,298,136
7,177	7,243	7,279	7,350
10,254	10,486	10,647	10,788
10,750	10,705	10,684	10,662
8,083	8,209	8,335	8,460
47,995	49,108	50,215	51,372
18,303	18,920	19,558	20,217
65,396	65,893	66,342	66,746
31,380	32,098	32,748	33,344
126,527	126,310	126,097	125,848
5,480	5,495	5,508	5,516
23,686	24,086	24,466	24,855

74	74	74	74
218,809	220,726	222,560	224,247

Productivity

ISO	Country	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
USA	United States	29,611	30,056	29,210	30,158	32,076	33,023	33,850	34,730	35,863	36,756
CHN	China	1,930	1,962	2,128	2,227	2,444	2,619	2,748	2,931	3,045	3,022
BRA	Brazil	8,249	7,709	7,587	7,203	7,438	7,862	8,281	8,402	8,230	8,333
IND	India	1,495	1,557	1,570	1,663	1,690	1,720	1,755	1,793	1,938	2,024
HKG	Hong Kong SAR	17,086	18,301	18,527	19,349	21,042	20,883	22,823	25,414	27,063	27,377
HTI	Haiti	2,063	1,964	1,855	1,835	1,803	1,776	1,729	1,682	1,701	1,619
GRC	Greece	14,300	14,180	14,153	14,132	14,453	14,850	15,047	14,944	15,596	16,117
ISR	Israel	17,508	18,103	18,155	18,468	18,305	18,605	19,160	20,196	20,256	20,091
KEN	Kenya	1,675	1,647	1,680	1,627	1,594	1,604	1,658	1,698	1,741	1,761
MWI	Malawi	1,004	925	904	913	925	966	936	905	872	864
GBR	United Kingdom	20,612	20,319	20,650	21,366	21,869	22,579	23,498	24,536	25,679	26,164
SAU	Saudi Arabia	21,068	21,393	20,535	17,315	16,343	14,422	12,897	12,919	12,795	12,758
JPN	Japan	21,404	21,924	22,440	22,805	23,548	24,437	24,992	25,904	27,393	28,601
FIN	Finland	20,640	20,935	21,495	21,944	22,486	23,148	23,621	24,519	25,644	27,012
AUS	Australia	22,972	23,368	22,972	22,697	24,009	24,927	25,116	25,971	26,702	27,407
DMA	Dominica	2,219	2,499	2,592	2,644	2,802	2,872	3,107	3,370	3,687	3,714
AVG	Average	12,740	12,928	12,903	12,897	13,302	13,518	13,826	14,370	14,888	15,226
WAG	Weighted average	6772.057	6824.669	6820.984	6936.188	7263.743	7488.721	7668.969	7888.114	8144.584	8285.614

1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
36,982	36,464	37,240	37,762	38,807	39,391	40,413	41,723	43,073	44,576	45,886	45,878	46,266
2,982	3,051	3,228	3,506	3,730	4,000	4,220	4,311	4,310	4,467	4,730	4,995	5,343

7,842	7,888	7,813	8,166	8,616	8,952	9,125	9,410	9,419	9,442	9,834	9,953	10,245
2,087	2,062	2,115	2,176	2,255	2,356	2,476	2,514	2,612	2,708	2,753	2,838	2,871
27,960	29,009	30,203	31,242	32,219	31,942	32,262	33,386	30,866	31,134	32,894	32,734	33,038
1,602	1,629	1,536	1,443	1,262	1,379	1,426	1,456	1,481	1,513	1,521	1,501	1,494
15,964	16,410	16,546	16,331	16,724	17,148	17,720	18,588	19,379	20,077	20,965	21,914	22,894
20,829	20,913	21,532	21,485	22,129	23,378	23,980	24,227	24,506	24,644	26,059	25,427	24,824
1,780	1,778	1,725	1,698	1,730	1,790	1,851	1,846	1,890	1,921	1,915	1,972	1,962
861	900	803	866	792	907	973	1,006	986	990	967	899	886
26,189	25,792	25,790	26,349	27,278	27,861	28,472	29,260	30,077	30,933	31,946	32,660	33,271
14,335	16,830	17,905	18,101	18,679	19,223	20,280	21,087	22,311	22,059	23,905	24,192	24,054
29,949	30,837	30,978	30,921	31,135	31,887	32,784	33,038	32,558	32,395	33,211	33,246	33,195
26,884	25,175	24,220	23,944	24,798	25,762	26,637	28,240	29,715	30,987	32,690	33,482	33,987
27,373	26,861	27,560	28,622	29,844	30,690	31,740	32,858	34,337	35,551	36,603	37,276	38,567
3,939	4,084	4,272	4,340	4,459	4,607	4,895	5,171	5,463	5,584	5,697	5,800	5,771
15,472	15,605	15,842	16,060	16,529	16,954	17,453	18,008	18,311	18,686	19,474	19,673	19,917
8318.226	8315.967	8474.05	8676.42	8942.975	9200.586	9483.593	9696.52	9845.962	10085.75	10421.83	10569.36	10774.84

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
47,158	48,493	49,655	50,490	50,902	50,276	48,453	49,267	49,675	50,394	50,863	51,664	52,591
5,649	6,068	6,627	7,271	7,896	8,190	8,734	9,658	10,221	10,680	11,328	11,944	12,244
10,355	10,950	11,306	11,767	12,500	13,164	13,181	14,216	14,831	14,985	15,306	15,258	15,826
3,036	3,213	3,397	3,629	3,871	4,031	4,271	4,526	4,768	4,932	5,172	5,458	5,794
33,594	36,053	38,192	40,173	42,231	42,635	41,076	43,171	44,532	44,904	46,040	47,038	47,777
1,496	1,439	1,462	1,493	1,542	1,555	1,604	1,557	1,648	1,674	1,722	1,749	1,742
24,380	25,780	26,092	27,731	28,823	28,908	27,840	26,517	24,349	22,693	22,118	22,344	22,442
24,545	25,211	25,686	26,571	27,625	27,858	27,645	28,576	29,370	29,517	30,257	30,686	30,954
1,998	2,066	2,158	2,255	2,381	2,357	2,405	2,580	2,712	2,765	2,854	2,942	3,046
906	923	920	929	982	1,018	1,062	1,092	1,102	1,085	1,104	1,129	1,124

34,232	34,866	35,624	36,214	36,817	36,265	34,402	34,754	34,971	35,185	35,618	36,436	36,941
27,367	30,234	32,700	34,483	36,070	39,393	39,672	42,738	48,470	49,867	50,005	50,693	51,681
33,620	34,314	34,858	35,333	35,893	35,496	33,590	35,011	34,979	35,580	36,354	36,537	37,031
34,607	35,889	36,787	38,161	39,999	40,130	36,663	37,615	38,432	37,704	37,246	36,858	36,836
39,524	40,888	41,904	42,651	44,034	44,422	44,687	45,400	46,132	46,999	47,250	47,867	48,357
6,322	6,603	6,698	7,134	7,699	8,454	8,512	8,768	8,944	8,823	9,145	9,507	9,319
20,549	21,437	22,129	22,893	23,704	24,009	23,362	24,090	24,696	24,862	25,149	25,507	25,857
11094.61	11546.84	12015.15	12507	12976.71	13120.05	13119.16	13791.27	14208.37	14542.19	14966.02	15396.85	15776.78

2016	2017	2018
53,015	54,008	55,335
12,569	12,734	13,102
13,873	13,952	14,034
6,125	6,449	6,806
48,330	49,919	50,839
1,728	1,726	1,729
22,574	22,959	23,451
31,701	32,339	32,955
3,169	3,250	3,377
1,112	1,119	1,117
37,334	37,783	38,058
51,397	50,002	50,305
37,465	38,415	38,674
37,239	38,367	38,897
48,845	49,266	49,831
9,550	8,842	9,021
26,002	26,320	26,721
15954.45	16248.72	16652.69

Gross Domestic Product

ISO	Country	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
USA	United States	6743208	6911865	6782207	7066237	7581108	7874872	8146028	8432567	8787203	9091291
CHN	China	1893784	1949955	2128598	2278862	2534000	2752674	2931539	3177307	3354463	3380560
BRA	Brazil	1014792	971272.3	978935.4	950507.9	1001891	1080097	1160963	1201713	1200535	1238775
IND	India	1015105	1077444	1111560	1202349	1248910	1298600	1353105	1412884	1560090	1663728
HKG	Hong Kong SAR	82606.71	90351.79	93056.24	98638.83	108818.5	109638.3	121782.2	137910.7	149349.9	153499.1
HTI	Haiti	11311.43	10988.58	10590.2	10692.55	10727.85	10790.98	10728.45	10655.47	10986.76	10662.73
GRC	Greece	137887.8	137962.2	138508.1	139066.3	142899.3	147360.3	149738.3	149058.8	155690.5	161665.8
ISR	Israel	65435.68	68815.62	70049.63	72521.86	73171.25	75693.88	79316.33	85032.77	86737.06	87503.24
KEN	Kenya	27353.66	27977.96	29668.75	29852.18	30366.04	31697.43	33951.06	35990.43	38155.53	39859.83
MWI	Malawi	6283.546	5974.818	6028.067	6284.869	6571.626	7081.271	7121.541	7284.503	7481.57	7846.864
GBR	United Kingdom	1160744	1145638	1163415	1204671	1234772	1278428	1334599	1398101	1467801	1499837
SAU	Saudi Arabia	210662.3	227352.2	231114.7	206256.8	206035.2	192246.2	180536	188872.5	194907.9	201951
JPN	Japan	2500144	2579317	2658130	2719951	2826577	2950874	3036326	3162654	3358738	3520998
FIN	Finland	98649.6	100487.2	103754.9	106555.4	109771.9	113466.5	116153.6	120921.1	126851.5	134045.5
AUS	Australia	335756.5	348726.7	348301.5	348353.6	372379.6	391229.3	399344.4	419094	437912.8	457176.2
DMA	Dominica	164.206	184.926	191.808	195.656	207.348	209.656	223.704	242.64	261.777	263.694
AVG	Average	1799377	1853323	1874459	1910572	2001574	2066335	2147828	2270302	2391993	2486563
WAG	Weighted average	956493	978394.6	990881.8	1027562	1093013	1144685	1191341	1246268	1308573	1353104

1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
9250378	9243499	9572148	9834941	10232022	10510263	10909167	11398757	11906029	12463819	12973842	13100471
3385122	3508948	3755037	4126170	4438753	4810000	5127590	5291339	5338703	5578503	5952682	6329737

1185475	1212666	1220990	1296907	1389945	1466460	1517464	1588457	1613656	1641348	1734491	1780379
1750993	1762411	1842360	1931871	2039525	2171041	2323733	2403114	2541494	2681321	2773211	2906878
159035.3	166794.7	175823.9	185281.2	194935.8	198024.2	204854	213630.2	199509.3	202921.2	216781.2	216306.6
10773.45	11156.72	10725.68	10302.87	9215.061	10289.44	10882.1	11346.97	11780.95	12289.77	12590.12	12654.29
161709	168230.9	170928.7	169706.7	174662.6	179928.4	186744.6	196868.8	206380.7	214634.2	225054.6	236462.1
93268.26	97249.24	103872.3	107432.7	114590.3	125242.9	132362.2	137269	142513.4	147072.9	159558.4	159187.5
41570.97	42852.79	43098.11	43754.84	45663.59	48490.93	51489.49	52761.22	55518.26	57993.14	59408.91	62956.47
8210.711	8886.468	8192.294	8945.962	7996.239	9062.586	9927.493	10535.37	10605.72	10931.5	10965.81	10477.11
1505692	1487461	1491383	1527375	1585210	1623419	1663252	1713664	1766691	1822989	1889458	1939162
230231	279282.6	306153.2	318108.1	336600.6	354480.7	381901.5	404884.8	436679.3	440714.6	488694.4	507467.2
3699822	3824698	3855720	3861077	3898677	4003033	4124648	4166541	4117007	4104027	4215552	4230084
134055.2	126220.4	122115.9	121309.7	126178.8	131585	136504.6	145148.3	153138	160062	169209.1	173703.2
464136.6	461003.8	477843.2	500840.6	527346.2	549172.9	574551.5	600621.1	634305	664206.8	691886.7	713625.8
275.73	285.8797	299.0183	303.7872	316.6149	327.0781	347.5338	361.9566	382.3888	390.8817	404.4838	411.787
2566966	2627344	2705598	2781549	2901893	3016466	3146514	3288870	3386494	3497401	3687288	3766859
1380047	1400103	1447293	1502771	1570102	1636926	1709714	1770956	1820900	1887702	1973362	2023748

2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
13334491	13708809	14227882	14703732	15095884	15364464	15319731	14894294	15270622	15509302	15849635	16108429
6814494	7248623	7830953	8602940	9489543	10358206	10799148	11572544	12858808	13673159	14358127	15304426
1857599	1902061	2036567	2127881	2239748	2405104	2559007	2587478	2816706	2965070	3022026	3112906
2989576	3212954	3454211	3709371	4024059	4355554	4601842	4945731	5314517	5675667	5949388	6320316
218185.3	223111.7	240644.2	256420.8	272324.3	287685.1	291529.7	282158.6	298918.5	310881.4	316167.8	325974.6
12820.1	13072.6	12808.95	13245.37	13759.84	14437.11	14789.63	15482.9	14869.73	15936.16	16393.48	17085.68
247945.8	264671.5	280566.8	284786.8	303593.2	316350.9	318127.3	307180.7	292966.5	268611.5	248992.9	240930.5
158357.5	159602	167111.8	173480.3	182781.5	193502.2	198668.2	200768.8	211431.2	221407.1	226681.1	236605.7
64478.13	67617.07	72070.03	77598.87	83653.54	91061.4	92973.74	97797.56	108091.1	117165.8	122978.8	130279.3
10619.11	11173.21	11727.02	12058.08	12575.06	13731.75	14709.9	15876.24	16885.78	17638.38	17964.29	18903.97

1983812	2050646	2100503	2160946	2212969	2267380	2251038	2151646	2190775	2221719	2250912	2293925
518914.1	608022.9	691928	770496.5	835772.4	898734.3	1008969	1045205	1159438	1355527	1438372	1486736
4232500	4294504	4386537	4456734	4517299	4589238	4536234	4287890	4464956	4456991	4523675	4614147
176750.4	180407.9	187631.8	192989.5	200964.5	211541	213224.9	195737	201743.1	207082.1	204128.4	202580
746683.5	773868.6	809419.7	840554.5	868839	913875.9	942108.9	964937.5	994067.7	1026035	1064162	1087110
415.539	455.1808	475.3944	482.2225	513.6323	554.3117	617.1466	621.3656	640.0989	652.912	644.079	667.585
3854914	4019207	4236413	4418348	4616536	4827082	4936696	4848737	5045514	5219045	5300930	5408888
2085478	2169975	2281940	2398982	2522142	2642589	2697670	2722834	2888465	3002678	3100641	3218814

2014	2015	2016	2017	2018
16482662	16902579	17162557	17596284	18140645
16220857	16710946	17255473	17575081	18151620
3128572	3270706	2889037	2926999	2965401
6754741	7259603	7767450	8275647	8835758
334980.4	342917.1	350065.7	363336.8	373682.6
17572.2	17862.47	18119.81	18372.04	18653.68
241776.4	241242.1	241653.9	245291	250035.8
244088.4	250204.4	260228.5	269531.6	278806.2
137740.2	146192.5	155624.1	163192.2	173505.9
19988.98	20572.94	21039.45	21881.03	22574.66
2363953	2415783	2460057	2506604	2540210
1550551	1621730	1649723	1637482	1677339
4629616	4685428	4732217	4844015	4867010
201300.4	201844	204639.6	211331.2	214535.7
1117472	1145387	1176481	1205343	1238560
694.011	689.606	706.7	653.399	667.8104
5533821	5657653	5739245	5857880	5992012
3340410	3452105	3521567	3616315	3734313

