

Chapter 7

Macroeconomic Data

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This chapter provides an overview of the macroeconomic features of the GTAP 11 Data Base. We will first present how the macroeconomic data base is collected and processed. Then, the next section will focus on highlighting the salient features of the uses of Gross Domestic Product in the construction of the GTAP Data Base.

7.1 Data Sources and Processing

Our primary source of macroeconomic data is the World Development Indicators (WDI).¹ The World Bank data is a suitable source of data for GTAP since it covers a wide range of countries and is reconciled for statistical discrepancies. From the World Bank data base, we obtain GDP data, GDP expenditures (private consumption, government consumption, and gross fixed capital formation), and population.² The GDP and GDP expenditures are measured in millions of current US dollars. The GDP and GDP aggregates data are in millions of current US dollars.³

For some countries, GDP and population data were not available in WDI, for those countries we compiled data from other sources such as the UN Statistics Division and the CIA World Factbook among others.

The construction of the GTAP Data Base does not directly require data on exchange rates. All the coefficients in the regional I-O tables are simply scaled up to match the GDP reference year. Since most the GDP data comes from the World Bank's data base, the underlying exchange rate is the Atlas conversion factor⁴ that is used by the World Bank in its national accounts data.

Estimates of the GDP aggregates were generated for the countries for which only GDP and population data are available. This was done by first mapping the 251 countries with a smaller

¹WDI reports calendar year data, for the methodology behind please refer to this link: <https://datahelpdesk.worldbank.org/#knowledgebase>

²Retrieved November 2019 data, see WDI Archives.

³For example, for 2017, we use the R code at the end of this chapter.

⁴The Atlas conversion factor for any year is the average of a country's exchange rate (or alternative conversion factor) for that year and its exchange rates for the two preceding years, adjusted for the difference between the rate of inflation in the country and, for 2001 onwards, that in countries including the Euro Zone, Japan, the United Kingdom, and the United States. A country's inflation rate is measured by the change in its GDP deflator <http://www.worldbank.org/data/aboutdata/working-meth.html>.

number of 19 geographic regions. For each geographic region, the average share of each GDP aggregate to total GDP was calculated for the countries for which GDP aggregates data are available. Estimates of the GDP aggregates were then generated for the countries with no GDP aggregates data by multiplying GDP of each country with the average share of the aggregate in the geographic region to which the country belongs. The estimates for each GDP aggregate were then summed up for each GTAP region after estimates have been generated for the data gaps. This practice is based on the assumption that a country would have a similar macroeconomic profile to its neighboring countries. Since GTAP 6 Data Base, GDP aggregates (private consumption, gross fixed capital formation, and government consumption) are scaled in order to maintain consistency of the collected GDP data with the reconciled trade data. The reconciled trade data do not match the total exports and imports in the World Bank dataset, therefore, if we do not scale the GDP aggregates, the resulting final GDP will be different than that of World Bank's GDP totals.

Finally, we would like to highlight the fact that since Version 7, the GTAP Data Base has released updates for the 2004 reference year. While some data remain the same, there are some notable changes. The first major difference is the expansion of standard country set from 226 to 244 that occurred between version 7 and 8. The additional composite regions are composed of small countries (both in terms of GDP and population) and are not countries for which we have input output (I-O) tables. The second issue is that the composition of GTAP composite regions changes when we receive a new I-O table, a fact we should keep in mind when comparing version 7 against Versions 8 or 9. Third, for the remaining regions the 2004 base year data in Version 8 represents a substantial improvement to that of Version 7 data base. For Version 7 we used World Bank data for 130 countries, leaving us to collect data from other sources for the other 96 countries. For Versions 8 and 9, the WDI had both expanded its country coverage and updated the 2004 macroeconomic data. As a result, we collected GDP data for 190 countries from WDI and 54 from other sources.

For GTAP 11, we consider 251 countries/regions, that includes 249 countries and regions from United Nations (Source or link) plus Taiwan and Kosovo. For countries' data not available in WDI, we collect data from other sources such as the UN Statistics Division and the CIA World Factbook. For a few of the tiny countries/territories, GDP data is missing or zero, but population data is available. For such countries, we assumed the per-capita GDP to be the average per-capita GDP of the corresponding geographical region to calculate the approximate GDP. For South Georgia and the South Sandwich Islands, Bouvet Islands, Saint Barthélemy, Bonaire, British Indian Ocean Territory, and Heard and McDonald Islands, there was no data on GDP or sometimes population, so we assume and assigned a zero value for these territories.

7.2 Uses of Macroeconomic Data

During the GTAP Data Base construction process, macroeconomic data are used in various stages. The primary use of macroeconomic data is in updating the regional I-O tables to a common base year. As a first step, all the coefficients in the regional I-O tables, initially in national currency units, are scaled-up by the ratio of gross domestic product (GDP) calculated from the I-O tables to

external GDP data in current US dollars. Then, data on GDP aggregates' private consumption (C), gross fixed capital formation (I), and government consumption (G) are used in the FIT process to update the values of these aggregates in the regional I-O tables.

Per-capita GDP data are also required in the construction of input-output tables for composite regions, i.e. the aggregate regions for which input-output data are generated based on the I-O tables of the primary regions. Similar per capita GDP is used as a criterion for matching a member country in a composite region to one of the primary regions within the same geographic area. A combination of one or more primary region I-O tables is then used to generate an I-O table for a composite region.

Macroeconomic data are also used in extending various data sets to the standard country coverage and as weights for aggregating data from standard countries to GTAP regions. Particularly GDP and GDP also used as weights for aggregating data on domestic support, factor shares, and labor shares from standard countries to GTAP regions. Finally, macroeconomic data, government consumption and GDP are used to check and potentially revise the share of government consumption in each I-O table. This procedure imposes a more uniform treatment of government consumption expenditure across countries.

7.3 Capital Stock and Depreciation

The GTAP Data Base also reports data on physical capital stock and depreciation. Capital stock data was collected from the Penn World Tables version 9.1.⁵

From the Penn World Tables, we collect data for 180 countries for all the reference years in GTAP. Similar to the procedure for filling data gaps of the GDP expenditures, data gaps for capital stock were filled by first calculating the average ratio of capital stock to GDP for the countries for which capital stock data are available. Estimates of capital stock were then generated for the countries with no capital stock data by multiplying GDP in each country with the average ratio of capital stock to GDP in the geographic region to which the country belongs. Further, we consider outliers those capital stock ratios below 1.5 or above 6.5 and revise capital stock using regional values.⁶

Capital depreciation is estimated at four percent of the physical capital stock for each reference year. The last two columns of Table A.1 present capital stock and depreciation data in millions of 2017 US dollars, respectively for the WDI countries used in the GTAP 11 Data Base.

⁵Available from: <https://www.rug.nl/ggdc/productivity/pwt/>

⁶Certain Caribbean countries and their regional mean were above 6.5, in these cases we cap the ratio at 6.5.

Appendix. R code to retrieve WDI data

```
#extract WDI data

install.packages("WDI")
library (WDI)

sdate<-2017      #start date
edate<-2017      #end date

GDP<-( 'NY.GDP.MKTP.CD' )
a <- WDI(country="all", GDP, extra=TRUE, start=sdate ,end=edate)
# Discard unwanted rows and column
a <- a[a$region!="Aggregates",]
a <- a[!is.na(a$iso3c),]
a<- subset(a, select=c("iso3c","country", GDP))

PC<-( 'NE.CON.PRVT.CD' )
b <- WDI(country="all", PC, extra=TRUE, start=sdate ,end=edate)
# Discard unwanted rows
b <- b[b$region!="Aggregates",]
b <- b[!is.na(b$iso3c),]
b<- subset(b, select=c("iso3c", PC))

GC<-( 'NE.CON.GOV.T.CD' )
c <- WDI(country="all", GC, extra=TRUE, start=sdate ,end=edate)
# Discard unwanted rows and column
c <- c[c$region!="Aggregates",]
c <- c[!is.na(c$iso3c),]
c<- subset(c, select=c("iso3c", GC))

GFCF<-( 'NE.GDI.FTOT.CD' )
d <- WDI(country="all", GFCF, extra=TRUE, start=sdate ,end=edate)
# Discard unwanted rows
d <- d[d$region!="Aggregates",]
d <- d[!is.na(d$iso3c),]
d<- subset(d, select=c("iso3c", GFCF))

POP<-( 'SP.POP.TOTL' )
p <- WDI(country="all", POP, extra=TRUE, start=sdate ,end=edate)
# Discard unwanted rows
p <- p[p$region!="Aggregates",]
p <- p[!is.na(p$iso3c),]
p<- subset(p, select=c("iso3c", POP))
```

Table 7.1: Data collected in millions of current USD and people, reference year 2017

Iso3	Countries	GDP	Population	Private Consump- tion	Government Consump- tion	Gross Fixed Capital Formation	Capital Stock
ABW	Aruba	2700.56	0.11	1491.62	748.6	579.89	17553.63
AFG	Afghanistan	20191.76	36.3	16208.51	2538.39	3871.61	0
AGO	Angola	122123.82	29.82	69833.45	15797.72	28384.4	793804.85
AIA	Anguilla	281.19	0.01	223.85	42.69	75.44	1827.76
ALA	Åland Islands	1321.92	0.03	0	0	0	0
ALB	Albania	13025.06	2.87	10386.9	1493.03	3195.23	74951.2
AND	Andorra	3013.39	0.08	1732.35	557.27	635.95	0
ARE	United Arab Emirates	377701.06	9.49	139794.92	52595.94	81298.49	1871430.8
ARG	Argentina	642695.86	44.04	426200.96	113539.25	96695.4	2063381.04
ARM	Armenia	11527.46	2.94	9225.42	1420.02	2034.41	35351.14
ASM	American Samoa	602	0.06	0	0	0	0
ATA	Antarctica	0	0	0	0	0	0
ATF	French Southern Territories	0	0	0	0	0	0
ATG	Antigua and Barbuda	1467.98	0.1	918.42	229.37	400.27	9541.86
AUS	Australia	1330135.76	24.6	754349.5	247413.08	318640.92	6242528.37
AUT	Austria	417282.9	8.8	217884.2	81343.68	98181.14	2380008.75
AZE	Azerbaijan	40865.56	9.85	23533	4634.73	9733.04	61298.34
BDI	Burundi	3172.29	10.83	2420.3	795.81	285	6158.41
BEL	Belgium	503004.5	11.38	258661	116039.89	116263.92	2919872.98
BEN	Benin	9269.59	11.18	7054.59	1210.1	2630.73	34683.48
BES	Bonaire, Sint Eustatius and Saba	583	0.02	0	0	0	0
BFA	Burkina Faso	12330.34	19.19	6790.63	3178.46	2937.8	35699.62
BGD	Bangladesh	249723.86	159.67	171497.64	14973.04	76191.89	991775.51
BGR	Bulgaria	58220.97	7.08	35448.29	9221.03	10829.67	172343.34
BHR	Bahrain	35432.69	1.49	14883.91	5888.35	10098.16	204441.5
BHS	Bahamas	12150.4	0.38	8170.5	1586.6	3196.6	77931.71
BIH	Bosnia and Herzegovina	18080.12	3.35	14107.59	3670.24	3257.35	53036.43
BLM	Saint Barthélemy	191	0.01	0	0	0	0
BLR	Belarus	54726.6	9.5	29801.89	8566.27	14315.38	196674.64
BLZ	Belize	1836.59	0.38	1277.71	305.55	343.32	3741.53
BMU	Bermuda	6269.38	0.06	3224.94	1004.18	858.62	24120.13
BOL	Bolivia	37508.64	11.19	25376.26	6384.59	7977.47	91092.94
BRA	Brazil	2053594.97	207.83	1314119.2	410119.07	307645.55	11082922.19
BRB	Barbados	4989.5	0.29	3129.09	1560.75	537.37	27049.99
BRN	Brunei Darussalam	12128.1	0.42	2483.3	3211.18	4194.81	77943.93
BTN	Bhutan	2528.01	0.75	1333.92	415.53	1298.51	16432.05
BVT	Bouvet Island	0	0	0	0	0	0
BWA	Botswana	17405.54	2.21	8569.36	3207.58	5067.31	101879.07
CAF	Central African Republic	2067.23	4.6	1714.89	290.8	501.06	11682.48
CAN	Canada	1646867.22	36.54	955682.06	342196.42	375026.24	8288347.12
CCK	Cocos Islands	0	0	0	0	0	0
CHE	Switzerland	679950.92	8.45	365227.17	81798.65	166074.05	3277035.96

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Iso3	Countries	GDP	Population	Private Consump- tion	Government Consump- tion	Gross Fixed Capital Formation	Capital Stock
CHL	Chile	277746.46	18.47	175030.46	38910.25	58556.89	997412.08
CHN	China	12143491.45	1386.39	4704437.18	1763449.13	5169095.11	73188453.37
CIV	Côte d'Ivoire	38053.61	24.44	24996.96	5465	7409.14	97707.84
CMR	Cameroon	34922.78	24.57	24429.62	3890.06	8022.96	106134.12
COD	Congo, Democratic Republic	38019.27	81.4	27650.06	2309.59	9418.79	103983.61
COG	Congo	8701.33	5.11	3214.03	1012.73	1934.33	56558.68
COK	Cook Islands	309.32	0.02	118.08	84.97	38.44	0
COL	Colombia	311789.87	48.9	213740.43	46464.86	67791.53	1211574.88
COM	Comoros	1074.78	0.81	989.92	116.33	143.2	5122.37
CPV	Cabo Verde	1769.79	0.54	1200.27	288.66	647.71	9572.89
CRI	Costa Rica	58174.55	4.95	37142.85	10041.55	10021.25	169246.48
CUB	Cuba	96851	11.34	54221	29867	9564	0
CUW	Curaçao	3116.61	0.16	0	0	0	0
CXR	Christmas Island	0	0	0	0	0	0
CYM	Cayman Islands	5141.83	0.06	3258.2	752.29	1153.02	27249.74
CYP	Cyprus	22638.61	1.18	14822.99	3391.21	4779.64	134385.22
CZE	Czechia	215913.55	10.59	102378.42	41428.14	53484.78	1295726.75
DEU	Germany	3656749.41	82.66	1912293.14	726103.08	750384.2	17422094.9
DJI	Djibouti	2766.87	0.94	1723.25	601.52	716.99	12442.73
DMA	Dominica	519.84	0.07	426.19	137.73	153.18	2140.15
DNK	Denmark	329417.07	5.76	153282.95	81112.64	69808.1	1751718.39
DOM	Dominican Republic	79998.05	10.51	55558.86	8750.7	18983.74	304032.62
DZA	Algeria	167390.27	41.39	72397.79	32233.97	69368.22	751430
ECU	Ecuador	104295.86	16.79	62477.99	15197.22	26496.26	600570.95
EGY	Egypt	235369.13	96.44	207416.5	23753.97	34885.44	374915.17
ERI	Eritrea	5812.66	3.41	4638.31	1128.81	454.98	0
ESH	Western Sahara	906.5	0.55	0	0	0	0
ESP	Spain	1309309.64	46.59	764290.03	243782.54	244352.75	8040759.34
EST	Estonia	26792.76	1.32	13475.9	5323.1	6647.63	123623.13
ETH	Ethiopia	81760.44	106.4	54402.71	9084.09	31435.95	360242.61
FIN	Finland	254435.04	5.51	135398.18	58031.5	59145.99	1195771.42
FJI	Fiji	5353.4	0.88	3342.13	998.98	1046.98	15225.45
FLK	Falkland Islands (Malvinas)	228.5	0	0	0	0	0
FRA	France	2586285.41	66.87	1396802.57	612548.55	581392.27	14294698.59
FRO	Faroe Islands	3014.85	0.05	0	0	0	0
FSM	Micronesia, Federated States	366.67	0.11	0	0	0	0
GAB	Gabon	14892.61	2.06	5952.54	1970.55	3188.78	64165.75
GBR	United Kingdom of Great Britain and Northern Ireland	2666229.18	66.06	1733411.19	497639.26	459560.88	12785633.65
GEO	Georgia	16242.96	3.73	11344.33	2250.17	4140.67	35021.24
GGY	Guernsey	4120.55	0.06	0	0	0	0
GHA	Ghana	58996.78	29.12	41424.53	5193.82	12141.27	370898.24
GIB	Gibraltar	2044	0.03	0	0	0	0
GIN	Guinea	10324.67	12.07	7637.33	1577.2	2660.24	21275.43

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Iso3	Countries	GDP	Population	Private Consump- tion	Government Consump- tion	Gross Fixed Capital Formation	Capital Stock
GLP	Guadeloupe	11556	0.4	0	0	0	0
GMB	Gambia	1504.95	2.21	1318.07	178.9	256.27	5035.08
GNB	Guinea-Bissau	1346.84	1.83	1171.77	125.21	120.29	2459.14
GNQ	Equatorial Guinea	12289.91	1.26	5715.59	2897.37	1536.71	78952.81
GRC	Greece	203085.55	10.75	139526.91	40224.59	26192.3	1320056.08
GRD	Grenada	1126.88	0.11	1011.69	134.48	188.3	5497.7
GRL	Greenland	2790.02	0.06	1041.27	1211.4	634.66	0
GTM	Guatemala	75620.08	16.91	65259.05	7336.86	9307.8	211160.6
GUF	French Guiana	5447	0.28	0	0	0	0
GUM	Guam	5851	0.16	0	0	0	0
GUY	Guyana	3555.21	0.78	2414.07	611.04	1097.54	0
HKG	Hong Kong, China's SAR ⁷	341687.11	7.39	229109.87	33551.56	73909.43	1669582.61
HMD	Heard and McDonald Islands	0	0	0	0	0	0
HND	Honduras	23100.75	9.43	17712.46	3170.81	5383.44	83933.14
HRV	Croatia	55319.62	4.12	32132.6	10801.25	11139.35	303056.09
HTI	Haiti	8409.5	10.98	8026.49	1111.14	2436.43	54661.73
HUN	Hungary	141510.58	9.79	70080.81	28782.1	31452.33	752493.75
IDN	Indonesia	1015423.46	264.65	582039.09	92262.89	326629.48	6591903.76
IMN	Isle of Man	6770.53	0.08	0	0	0	0
IND	India	2652242.86	1338.66	1564368.35	292547.72	759727.1	10821294.98
IOT	British Indian Ocean Territory	0	0	0	0	0	0
IRL	Ireland	334834.01	4.81	107700.24	40124.39	105094.25	1278485.94
IRN	Iran, Islamic Republic	454012.77	80.67	216220.72	60971.1	89606.35	1926953.41
IRQ	Iraq	195473.05	37.55	115378.4	42639.59	32708.86	316313.8
ISL	Iceland	24489.49	0.34	12332.01	5742.97	5411.28	108966.29
ISR	Israel	353253.41	8.71	193074.45	80108.71	73448.98	1291793.32
ITA	Italy	1956960.61	60.54	1179681.48	368372.72	340130.81	12720243.98
JAM	Jamaica	14806.34	2.92	11593.39	1981.85	3277.74	96241.22
JEY	Jersey	5822.56	0.11	0	0	0	0
JOR	Jordan	40708.94	9.78	35191.55	6302.82	7857.75	155899.43
JPN	Japan	4859950.56	126.79	2696807.58	956035.39	1158352.23	21989692.32
KAZ	Kazakhstan	166805.8	18.04	84614.13	17621.33	35651.48	467026.76
KEN	Kenya	78757.39	50.22	64259.69	10010.93	14211.75	211311.24
KGZ	Kyrgyzstan	7702.93	6.2	6322.53	1319.53	2423.79	25382.76
KHM	Cambodia	22180.38	16.01	16278.51	1136.41	4857	55821.32
KIR	Kiribati	185.57	0.11	189.02	72.7	82.02	0
KNA	Saint Kitts and Nevis	996.94	0.05	670.51	190.29	305.05	6480.14
KOR	Republic of Korea	1530750.92	51.47	736214.25	234732.15	476384.27	7258282.01
KWT	Kuwait	120707.55	4.06	52464.73	30342.54	35092.83	545341.66
LAO	Laos	16853.09	6.95	10989.44	2173.47	4894.42	56756.77
LBN	Lebanon	53393.8	6.81	49063.3	6984.67	10374.55	283361.9
LBR	Liberia	3285.45	4.7	4525.18	532.29	673.06	13679.8
LBY	Libya	37881.43	6.58	10620.15	15837.8	12127.14	0

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⁷Special Administrative Region

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Iso3	Countries	GDP	Population	Private Consump- tion	Government Consump- tion	Gross Fixed Capital Formation	Capital Stock
LCA	Saint Lucia	1816.73	0.18	1102.8	363.65	416.75	8745.67
LIE	Liechtenstein	6295.88	0.04	3385.36	754.37	1481.83	0
LKA	Sri Lanka	88019.71	21.44	61546.01	7416.86	23308.1	338348.22
LSO	Lesotho	2565.35	2.09	2025.3	960.52	624.22	12555.92
LTU	Lithuania	47632.96	2.83	29600.04	7770.8	9521.44	174101.44
LUX	Luxembourg	64023.41	0.6	19086.89	10517.65	12010.89	247819.12
LVA	Latvia	30198.23	1.94	18064.58	5468.25	6258.89	196288.51
MAC	Macao, China's SAR	50751.06	0.62	12316.22	4902.57	9999	171142.56
MAF	Saint Martin, French Part	449	0.04	0	0	0	0
MAR	Morocco	109714.3	35.58	63546.12	20823.46	31424.99	670007.5
MCO	Monaco	6415.37	0.04	3469	1512.11	1505.01	0
MDA	Republic of Moldova	9669.76	3.55	8280.07	1453.72	2155.16	40059.6
MDG	Madagascar	13176.31	25.57	9435.45	2124.36	2390.11	35992.04
MDV	Maldives	4735.99	0.5	2329.83	810.72	1223.51	15041.06
MEX	Mexico	1157736.19	124.78	755620.16	134626.26	256190.42	4567778.11
MHL	Marshall Islands	212.88	0.06	160.56	115.13	49.48	0
MKD	North Macedonia	12374	2.08	0	0	0	50303.76
MLI	Mali	15337.74	18.51	11451.85	2594.72	2980.36	23006.61
MLT	Malta	12768.67	0.47	5636.6	1962.65	2618.87	38627.22
MMR	Myanmar	66719.08	53.38	38324.27	9442.87	20921.87	143078.09
MNE	Montenegro	4844.59	0.62	3623.54	892.68	1304.26	17457.61
MNG	Mongolia	11425.76	3.11	6116.21	1455.13	2815.56	49335.64
MNP	Northern Mariana Islands	1601	0.06	0	0	0	0
MOZ	Mozambique	13219.08	28.65	8556.06	3258.42	3019.24	42173.07
MRT	Mauritania	4905.89	4.28	2891.44	1020.07	2273.77	21974.82
MSR	Montserrat	59.96	0.01	51.81	29.69	13.51	389.74
MTQ	Martinique	11314	0.38	0	0	0	0
MUS	Mauritius	13259.35	1.26	9922.62	2010.27	2305.56	50719.9
MWI	Malawi	6303.29	17.67	5049.8	861.91	846.67	14920.16
MYS	Malaysia	318958.24	31.11	176668.68	38847.78	79976.51	1105000.46
MYT	Mayotte	3216	0.27	0	0	0	0
NAM	Namibia	13566.19	2.4	9346.86	3204.52	2125.43	61077.75
NCL	New Caledonia	9894.21	0.28	6373.29	2377.54	3837.84	0
NER	Niger	8119.71	21.6	5426.08	1284.59	2733.41	41859.53
NFK	Norfolk Island	0	0	0	0	0	0
NGA	Nigeria	375745.49	190.87	301072.95	16545.26	55293.27	1120011.53
NIC	Nicaragua	13843.61	6.38	9814.12	2034.45	3599.63	51179.52
NIU	Niue	10	0	0	0	0	0
NLD	Netherlands	831809.94	17.13	368787.41	202266.76	167534.86	4099864.82
NOR	Norway	398393.96	5.28	177915.41	95638.53	97850.41	2084124.42
NPL	Nepal	25180.58	27.63	18975.49	2823.13	7915.2	90598.02
NRU	Nauru	113.88	0.01	116	44.62	50.33	0
NZL	New Zealand	202590.81	4.79	116584.5	36541.63	46945.86	687459.97
OMN	Oman	70597.92	4.67	30953.13	18224.24	19417.17	402415.45
PAK	Pakistan	304567.25	207.9	249481.43	34337.67	44316.17	591522.89
PAN	Panama	62283.8	4.11	31335.14	6869.89	24723.63	222820.18

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Iso3	Countries	GDP	Population	Private Consump- tion	Government Consump- tion	Gross Fixed Capital Formation	Capital Stock
PCN	Pitcairn	1.46	0	0	0	0	0
PER	Peru	211007.21	31.44	135360.53	27878.85	43483.51	671223.09
PHL	Philippines	313619.75	105.17	230422.42	35253.48	78439.27	1149230.56
PLW	Palau	286.32	0.02	198.39	87.55	78.78	0
PNG	Papua New Guinea	22742.61	8.44	12095.5	4893.79	1833.78	0
POL	Poland	526216.5	37.97	306979.33	93069.62	92275.02	1281707.7
PRI	Puerto Rico	104250.2	3.33	62768.2	9000.2	7968.7	0
PRK	North Korea	17364.72	25.43	0	0	0	0
PRT	Portugal	220811.11	10.3	142597.93	37945.81	37060.88	1435272.22
PRY	Paraguay	39008.9	6.87	24929.56	4220.05	7484.42	131488.5
PSE	State of Palestine	14498.1	4.45	12844.7	3809.8	3249.9	55401.33
PYF	French Polynesia	5605.51	0.28	3607.43	1690.39	1067.12	0
QAT	Qatar	166928.57	2.72	41210.89	37312.23	65551.69	889235.03
REU	Réunion	22300	0.88	0	0	0	0
ROU	Romania	211695.42	19.59	133343.44	33255.25	47437.19	797844.87
RUS	Russian Federation	1578624.06	144.5	831573.05	285368.55	352590.21	7672601.09
RWA	Rwanda	9140.43	11.98	6899.74	1390.2	2134.78	21679.09
SAR	Sark	0	0	0	0	0	0
SAU	Saudi Arabia	688586.13	33.1	283638.42	168260.84	168595.28	3613210.66
SDN	Sudan	123053.39	40.81	90225.48	7151.6	22555.59	614383.89
SEN	Senegal	21081.67	15.42	15192	2961.92	4952.09	79193.47
SGP	Singapore	338406.47	5.61	120545.22	35286.91	88651.6	1607608.1
SGS	South Georgia and the South Sandwich Islands	0	0	0	0	0	0
SHN	Saint Helena	14.05	0	0	0	0	0
SJM	Svalbard and Jan Mayen Islands	0	0	0	0	0	0
SLB	Solomon Islands	1309.63	0.64	702.36	441.92	221.46	0
SLE	Sierra Leone	3739.58	7.49	3480.82	389.25	672.44	9051.61
SLV	El Salvador	24928	6.39	20841.86	4055.48	3879.61	72881.02
SMR	San Marino	1632.86	0.03	584.3	296.96	336.06	0
SOM	Somalia	4508.85	14.59	7097.66	495.55	545.31	0
SPM	Saint Pierre and Miquelon	253	0.01	0	0	0	0
SRB	Serbia	44120.42	7.02	31250.08	7134.41	7829.47	196061.72
SSD	South Sudan	3194	10.91	0	0	0	0
STP	Sao Tome and Principe	375.04	0.21	293.01	44.06	98.27	1914.59
SUR	Suriname	3068.77	0.57	1132.94	394.59	1298.76	19701.78
SVK	Slovakia	95241.44	5.44	53215.83	18010.6	20244.28	397140.73
SVN	Slovenia	48441.72	2.07	25507.64	8927.96	8873.91	313932.59
SWE	Sweden	540545.24	10.06	242983.13	140911.41	136023.39	2658116.89
SWZ	Eswatini	4446.25	1.12	2911.13	1107.18	564.75	21611.08
SXM	Sint Maarten, Dutch part	365.8	0.04	0	0	0	0
SYC	Seychelles	1503.17	0.1	871.57	315.4	498.24	8588.46
SYR	Syrian Arab Republic	15183.36	17.07	9062.88	1829.94	4336.35	70555.9

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Iso3	Countries	GDP	Population	Private Consump- tion	Government Consump- tion	Gross Fixed Capital Formation	Capital Stock
TCA	Turks and Caicos Islands	962.53	0.04	377.21	201.03	151.65	2666.59
TCD	Chad	9975.69	15.02	7996.88	431.47	2048.77	16732.29
TGO	Togo	4808.04	7.7	3223.92	3272.09	1143.15	22497.53
THA	Thailand	455275.52	69.21	221844.8	74542.13	105506.96	2041617.35
TJK	Tajikistan	7157.87	8.88	5897.4	1276.19	1906.06	46526.12
TKL	Tokelau	10	0	0	0	0	0
TKM	Turkmenistan	37926.29	5.76	4172.72	3418.71	18799.24	174921.02
TLS	Timor-Leste	2487.27	1.24	1023.99	874.64	533.12	0
TON	Tonga	430.17	0.1	437.24	84.45	98.49	0
TTO	Trinidad and Tobago	22474.83	1.38	13799.11	3056.29	3629.18	104978.74
TUN	Tunisia	39813.38	11.43	28732.04	8313.55	7497.19	227622.21
TUR	Turkey	852676.78	81.1	503338.65	123525.86	256477.58	3368596.06
TUV	Tuvalu	40.62	0.01	3.54	40.78	7.73	0
TWN	Taiwan, China	590780.12	23.56	306362.55	81686.99	123892.54	2216353.56
TZA	Tanzania	53320.63	54.66	31696.38	4530.3	18907.39	307733.11
UGA	Uganda	25995.03	41.16	19375.89	2331.53	6007.37	124782.02
UKR	Ukraine	112190.36	44.83	75254.17	23184.2	17683.73	566673.44
UMI	U.S. Minor Outlying Islands	0	0	0	0	0	0
URY	Uruguay	56488.99	3.44	37963.9	8211.19	9305.65	243224.27
USA	United States of America	19485393.85	325.15	13312060	2757214	3995296	66214277.06
UZB	Uzbekistan	59159.95	32.39	35408.7	7819.48	15117.45	89442.57
VAT	Holy See	0	0	0	0	0	0
VCT	Saint Vincent and the Grenadines	792.18	0.11	629.33	166.17	203.32	5149.16
VEN	Venezuela	255092.53	29.39	217574.06	26443.49	21948.18	1658101.46
VGB	British Virgin Islands	995.68	0.03	346.62	83.46	218.15	3672.1
VIR	U.S. Virgin Islands	3855	0.11	0	0	0	0
VNM	Viet Nam	223779.87	94.6	152245.72	14564.27	53217.23	576798.96
VUT	Vanuatu	880.04	0.29	570.18	127.57	251.34	0
WLF	Wallis and Futuna Islands	188	0.01	0	0	0	0
WSM	Samoa	831.9	0.2	779.04	157.2	74.95	0
XKX	Kosovo	7227.7	1.83	6075.84	972.05	1947.83	0
YEM	Yemen	26818.7	27.83	26758.58	2531.39	4515.45	120228.72
ZAF	South Africa	349554.12	57	207057.82	72703.77	65592.25	1469844.95
ZMB	Zambia	25868.14	16.85	12288.91	3841.28	9916.75	149187.31
ZWE	Zimbabwe	22813.01	14.24	17491	4772	1847.81	78149.8