Penn World Table Documentation

Availability

The data is currently available for the years 1950 through 2014 for 182 different countries. Varying series are not reported for all 182 countries. In the Series Available section reported series will be assumed to be reported for all 182 countries unless otherwise indicated. Varying series are also not reported for the full time range of 1950 through 2014. There is no set interval which dictates when the next release of the Penn World Table data will be.

Data Source

The data and metadata is available here: <http://www.rug.nl/ggdc/productivity/pwt/>

* Certain series in the data are reported in chained PPPs, these PPPs are in millions of 2011 US Dollars.
* Certain series in the data are reported in current PPPs, these PPPs are in millions of 2011 US Dollars.
* Certain series in the data are reported in constant 2011 national prices, these prices are in millions of 2011 US Dollars.

Series Available

Reported Series

*Identifier Variables*

1. Country Code
   1. Using 3-letter ISO country codes
2. Country Name
3. Currency Unit
4. Year

*Real GDP, employment and population levels*

1. Expenditure-side real GDP
   1. At chained PPPs
2. Output-side real GDP
   1. At chained PPPs
3. Population
4. Number of Persons Engaged
   1. 178 countries reporting
5. Average annual hours worked by persons engaged
   1. 70 countries reporting
6. Human Capital Index
   1. Based on years of schooling and returns to education
   2. 145 countries reporting

*Current price GDP, capital and TFP*

1. Real consumption of households and government
   1. At current PPPs
2. Real domestic absorption
   1. Sum of real consumption and investment, at current PPPs
3. Expenditure-side real GDP
   1. At current PPPs
4. Output-side real GDP
   1. At current PPPs
5. Capital stock
   1. At current PPPs
   2. 180 countries reporting
6. TFP level
   1. At current PPPs
   2. 113 countries reporting
7. Welfare relevant TFP level
   1. At current PPPs
   2. 113 countries reporting

*National accounts-based variables*

1. Real GDP
   1. At constant 2011 national prices
2. Real consumption
   1. At constant 2011 national prices
3. Real domestic absorption
   1. At constant 2011 national prices
4. Capital stock
   1. At constant 2011 national prices
   2. 180 countries reporting
5. TFP level
   1. At constant 2011 national prices
   2. 116 countries reporting
6. Welfare relevant TFP level
   1. At constant 2011 national prices
   2. 116 countries reporting
7. Share of labor compensation in GDP
   1. At current national prices
   2. 133 countries reporting
8. Average depreciation of capital stock
   1. 180 countries reporting

*Exchange rates and GDP price levels*

1. Exchange rate
   1. Quotient of national currency divided by the US dollar (market+estimated)
2. Price level of real consumption of households and government
   1. Quotient of PPP divided by exchange rate, price level of USA in 2011 =1
3. Price level of real domestic absorption
   1. Quotient of PPP divided by exchange rate, price level of USA in 2011=1
4. Price level of output-side real GDP
   1. Quotient of PPP divided by exchange rate, price level of USA in 2011=1

*Data information variables*

1. Relative price data for consumption, investment and government
   1. Extrapolated=0, Benchmark=1, Interpolated=2
2. Relative price data for exports and imports
   1. Extrapolated=0, Benchmark=1, Interpolated=2
3. Exchange rate
   1. Market-based=0, Estimated=1
4. Observation of price level of expenditure-side or output-side GDP
   1. Not an outlier=0, Outlier=1
5. Correlation between expenditure shares of the country and the US
   1. Benchmark observations only
6. Statistical capacity indicator
   1. Sourced from the World Bank, only for developing countries
   2. 131 countries reporting

*Shares in output-side real GDP at current PPPs*

1. Share of household consumption
   1. At current PPPs
2. Share of gross capital formation
   1. At current PPPs
3. Share of government consumption
   1. At current PPPs
4. Share of merchandise exports
   1. At current PPPs
5. Share of merchandise imports
   1. At current PPPs
6. Share of residual trade and GDP statistical discrepancy
   1. At current PPPs

*Price levels, expenditures categories and capital*

1. Price level of household consumption
   1. Price level of US in 2011=1
2. Price level of capital formation
   1. Price level of US in 2011=1
3. Price level of government consumption
   1. Price level of US in 2011=1
4. Price level of exports
   1. Price level of US in 2011=1
5. Price level of imports
   1. Price level of US in 2011=1
6. Price level of the capital stock
   1. Price level of US in 2011=1