

Package ‘pwt9’

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Version 9.1-0

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Title Penn World Table (Version 9.x)

Description The Penn World Table 9.x (<http://www.ggd.c.net/pwt/>) provides information on relative levels of income, output, inputs, and productivity for 182 countries between 1950 and 2017.

LazyData yes

LazyDataCompression xz

Depends R (>= 3.0.0)

License GPL-2 | GPL-3

NeedsCompilation no

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pwt9.0	<i>Penn World Table 9.0</i>
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Description

Relative levels of income, output, input, and productivity for 182 countries between 1950 and 2014 (base year: 2011).

Usage

```
data("pwt9.0")
```

Format

A data frame with 11,830 observations of 47 variables.

country factor with country name.

isocode factor with ISO 3166-1 alpha-3 country code.

year year.

currency factor with national currency unit.

rgdpe Expenditure-side real GDP at chained PPPs (in million 2011 USD).

rgdpo Output-side real GDP at chained PPPs (in million 2011 USD).

pop Population (in millions).

emp Number of persons engaged (in millions).

avh Average annual hours worked by persons engaged.

hc Index of human capital per person, based on years of schooling and returns to education.

ccon Real consumption of households and government, at current PPPs (in million 2011 USD).

cda Real domestic absorption, (real consumption plus investment), at current PPPs (in million 2011 USD).

cgdpe Expenditure-side real GDP at current PPPs (in million 2011 USD).

cgdpo Output-side GDP at current PPPs (in million 2011 USD).

ck Capital stock at current PPPs (in million 2011 USD).

ctfp TFP level at current PPPs (USA = 1).

cwtfp Welfare-relevant TFP levels at current PPPs (USA = 1).

rgdpna Real GDP at constant 2011 national prices (in million 2011 USD).

rconna Real consumption at constant 2011 national prices (in million 2011 USD).

rdana Real domestic absorption at constant 2011 national prices (in million 2011 USD).

rkna Capital stock at constant 2011 national prices (in million 2011 USD).

rtfpna TFP at constant national prices (2011 = 1).

rwtfpna Welfare-relevant TFP at constant national prices (2011 = 1).

labsh Share of labour compensation in GDP at current national prices.

delta Average depreciation rate of the capital stock.

xr Exchange rate, national currency/USD (market and estimated).

pl_con Price level of CCON (PPP/XR, price level of USA GDPo in 2011 = 1).

pl_da Price level of CDA (PPP/XR, price level of USA GDPo in 2011 = 1).

pl_gdpo Price level of CGDPo (PPP/XR, price level of USA GDPo in 2011 = 1).

i_cig Factor indicating whether relative price data for consumption, investment, and government is extrapolated, benchmark, or interpolated.

- i_xm** Factor indicating whether relative price data for exports and imports is extrapolated, benchmark, or interpolated.
- i_xr** Factor indicating whether the exchange rate is market-based or estimated.
- i_outlier** Factor indicating whether the observation on `p1_gdpe` or `p1_gdpo` is an outlier or not.
- cor_exp** Correlation between expenditure shares of the country and the US (benchmark observations only).
- statcap** Statistical capacity indicator (source: World Bank, developing countries only).
- csch_c** Share of household consumption at current PPPs.
- csch_i** Share of gross capital formation at current PPPs.
- csch_g** Share of government consumption at current PPPs.
- csch_x** Share of merchandise exports at current PPPs.
- csch_m** Share of merchandise imports at current PPPs.
- csch_r** Share of residual trade and GDP statistical discrepancy at current PPPs.
- pl_c** Price level of household consumption (price level of USA GDPo in 2011 = 1).
- pl_i** Price level of capital formation (price level of USA GDPo in 2011 = 1).
- pl_g** Price level of government consumption (price level of USA GDPo in 2011 = 1).
- pl_x** Price level of exports (price level of USA GDPo in 2011 = 1).
- pl_m** Price level of imports (price level of USA GDPo in 2011 = 1).
- pl_k** Price level of the capital stock (price level of USA in 2011 = 1).

Details

The Penn World Table (version 9.0) is a database with information on relative levels of income, output, input, and productivity, covering 182 countries between 1950 and 2014. For more details see Feenstra, Inklaar, and Timmer (2016, 2015) provided at <http://www.ggdgc.net/pwt/>. Version 9.0 represents the first substantial change to the *Next Generation of the Penn World Table* of PWT versions 8.0 and 8.1 (see Feenstra, Inklaar, and Timmer 2015). However, Section I of Feenstra et al. (2015) is still the recommended starting point as the main structure of the database and definition of its variables are unchanged in PWT 9.0. Nevertheless Version 9.0 contains important new and revised data.

Source

Penn World Table 9.0, <https://doi.org/10.15141/S5J01T>.

References

- Feenstra RC, Inklaar R, Timmer MP (2016). PWT 9.0: A User's Guide. URL <http://www.ggdgc.net/pwt/>.
- Feenstra RC, Inklaar R, Timmer MP (2015). The Next Generation of the Penn World Table, *American Economic Review*, forthcoming. URL <http://www.ggdgc.net/pwt/>.

See Also

[pwt9.1](#)

pwt9.1

*Penn World Table 9.1***Description**

Relative levels of income, output, input, and productivity for 182 countries between 1950 and 2017 (base year: 2011).

Usage

```
data("pwt9.1")
```

Format

A data frame with 12,376 observations of 52 variables.

country factor with country name.

isocode factor with ISO 3166-1 alpha-3 country code.

year year.

currency factor with national currency unit.

rgdpe Expenditure-side real GDP at chained PPPs (in million 2011 USD).

rgdpo Output-side real GDP at chained PPPs (in million 2011 USD).

pop Population (in millions).

emp Number of persons engaged (in millions).

avh Average annual hours worked by persons engaged.

hc Index of human capital per person, based on years of schooling and returns to education.

ccon Real consumption of households and government, at current PPPs (in million 2011 USD).

cda Real domestic absorption, (real consumption plus investment), at current PPPs (in million 2011 USD).

cgdpe Expenditure-side real GDP at current PPPs (in million 2011 USD).

cgdpo Output-side GDP at current PPPs (in million 2011 USD).

cn Capital stock at current PPPs (in million 2011 USD).

ck Capital services levels at current PPPs (USA = 1).

ctfp TFP level at current PPPs (USA = 1).

cwtfp Welfare-relevant TFP levels at current PPPs (USA = 1).

rgdpna Real GDP at constant 2011 national prices (in million 2011 USD).

reonna Real consumption at constant 2011 national prices (in million 2011 USD).

rdana Real domestic absorption at constant 2011 national prices (in million 2011 USD).

rnna Capital stock at constant 2011 national prices (in million 2011 USD).

rkna Capital services at constant 2011 national prices (2011 = 1).

rtfpna TFP at constant national prices (2011 = 1).
rwtfpna Welfare-relevant TFP at constant national prices (2011 = 1).
labsh Share of labour compensation in GDP at current national prices.
irr Real internal rate of return.
delta Average depreciation rate of the capital stock.
xr Exchange rate, national currency/USD (market and estimated).
pl_con Price level of CCON (PPP/XR, price level of USA GDPo in 2011 = 1).
pl_da Price level of CDA (PPP/XR, price level of USA GDPo in 2011 = 1).
pl_gdpo Price level of CGDPo (PPP/XR, price level of USA GDPo in 2011 = 1).
i_cig Factor indicating whether relative price data for consumption, investment, and government is extrapolated, benchmark, or interpolated.
i_xm Factor indicating whether relative price data for exports and imports is extrapolated, benchmark, or interpolated.
i_xr Factor indicating whether the exchange rate is market-based or estimated.
i_outlier Factor indicating whether the observation on pl_gdpe or pl_gdpo is an outlier or not.
i_irr Factor indicating whether the observation on irr is regular (not an outlier), may be biased due to a low capital share, hit the lower bound of 1 percent, or is an outlier.
cor_exp Correlation between expenditure shares of the country and the US (benchmark observations only).
statcap Statistical capacity indicator (source: World Bank, developing countries only).
csch_c Share of household consumption at current PPPs.
csch_i Share of gross capital formation at current PPPs.
csch_g Share of government consumption at current PPPs.
csch_x Share of merchandise exports at current PPPs.
csch_m Share of merchandise imports at current PPPs.
csch_r Share of residual trade and GDP statistical discrepancy at current PPPs.
pl_c Price level of household consumption (price level of USA GDPo in 2011 = 1).
pl_i Price level of capital formation (price level of USA GDPo in 2011 = 1).
pl_g Price level of government consumption (price level of USA GDPo in 2011 = 1).
pl_x Price level of exports (price level of USA GDPo in 2011 = 1).
pl_m Price level of imports (price level of USA GDPo in 2011 = 1).
pl_n Price level of the capital stock (price level of USA in 2011 = 1).
pl_k Price level of the capital services (price level of USA = 1).

Details

The Penn World Table (version 9.1) is a database with information on relative levels of income, output, input, and productivity, covering 182 countries between 1950 and 2017. For more details see Feenstra, Inklaar, and Timmer (2019, 2015) provided at <http://www.ggd.net/pwt/>. Version 9.x represents the first substantial change to the *Next Generation of the Penn World Table* of PWT versions 8.0 and 8.1 (see Feenstra, Inklaar, and Timmer 2015). However, Section I of Feenstra et al. (2015) is still the recommended starting point as the main structure of the database and definition of its variables are unchanged in PWT 9.1. Nevertheless Version 9.1 contains important new and revised data.

Source

Penn World Table 9.1, <https://doi.org/10.15141/S50T0R>.

References

Feenstra RC, Inklaar R, Timmer MP (2019). PWT 9.1: A User's Guide. URL <http://www.ggd.net/pwt/>.

Feenstra RC, Inklaar R, Timmer MP (2015). The Next Generation of the Penn World Table, *American Economic Review*, forthcoming. URL <http://www.ggd.net/pwt/>.

See Also

[pwt9.0](#)

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* datasets

pwt9.0, [1](#)

pwt9.1, [4](#)

pwt9.0, [1](#), [6](#)

pwt9.1, [3](#), [4](#)