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Title Price index data for the US economy

Version 0.16.1

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available_price_indexes

Price indexes available in the realtalk package

Description

Price indexes available in the realtalk package

Usage

available_price_indexes

Format

The data frame available_price_indexes shows which datasets are available from the realtalk package. It has six columns:

data_source Short price index name

frequency time frequency of data available)

seasonal seasonally adjustment status of the data

min_date first date of availability

max_date last date of availability

package_data_name internal data name of the series

Use the package_data_name value to load a specific series.

Examples

available_price_indexes

cpi_u

Consumer Price Index for Urban Consumers (CPI-U) data

Description

Monthly, quarterly, or annual CPI-U price indexes

Usage

cpi_u_monthly_nsa

cpi_u_monthly_sa

cpi_u_quarterly_nsa

cpi_u_quarterly_sa

cpi_u_annual

Format

The data frames `cpi_u_monthly_sa` and `cpi_u_monthly_nsa` contain, respectively, seasonally adjusted or not seasonally adjusted monthly price index levels of the CPI-U. They have three columns:

year numeric year

month numeric calendar month (1-12)

cpi_u value of the CPI-U price index

#' @format The data frames `cpi_u_quarterly_sa` and `cpi_u_quarterly_nsa` contain, respectively, seasonally adjusted or not seasonally adjusted quarterly price index levels of the CPI-U. They have three columns:

year numeric year

quarter numeric calendar quarter (1-4)

cpi_u value of the CPI-U price index

The data frame `cpi_u_annual` contains the annual price index level of the CPI-U. It has two columns:

year numeric year

cpi_u value of the CPI-U price index

Source

<https://www.bls.gov/cpi/>

See Also

`cpi_u_rs_monthly_nsa` and `cpi_u_rs_annual` for the CPI-U-RS, an index that is more consistent over time than the CPI-U and incorporates more recent improvements to the CPI-U into the entire time series. The quarterly `cpi_u_quarterly_nsa` and `cpi_u_quarterly_sa` series are the quarterly means of their respective monthly series.

Examples

```
cpi_u_monthly_nsa
```

`cpi_u_rs`

Consumer Price Index for Urban Consumers Research Series (CPI-U-RS) data

Description

Monthly or annual CPI-U-RS price indexes

Usage

cpi_u_rs_monthly_nsa

cpi_u_rs_annual

Format

The data frame `cpi_u_rs_monthly_nsa` contains the not seasonally adjusted monthly price index levels of the CPI-U-RS (CPI-U research series). The CPI-U-RS is more consistent over time than the CPI-U and incorporates more recent improvements to the CPI-U into the entire time series. It has three columns:

year numeric year

month numeric calendar month (1-12)

cpi_u_rs value of the CPI-U-RS price index

The data frame `cpi_u_rs_annual` contains the annual price index level of the CPI-U-RS. It has two columns:

year numeric year

cpi_u_rs value of the CPI-U-RS price index

Source

<https://www.bls.gov/cpi/research-series/r-cpi-u-rs-home.htm>

See Also

[c_cpi_u_extended_annual](#) extends the CPI-U-RS from 1937 to the present using the [c_cpi_u](#) and other series.

Examples

`cpi_u_rs_annual`

<code>cpi_u_x1</code>	<i>Experimental Consumer Price Index for Urban Consumers XI (CPI-U-XI) data</i>
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Description

Monthly or annual CPI-U-X1 price indexes

Usage

cpi_u_x1_monthly_nsa

cpi_u_x1_annual

Format

The data frame `cpi_u_x1_monthly_nsa` contains the not seasonally adjusted monthly price index levels of the CPI-U-X1 from January 1967 through December 1982. It has three columns:

year numeric year

month numeric calendar month (1-12)

cpi_u_x1 value of the CPI-U-X1 price index

The data frame `cpi_u_x1_annual` contains the annual average price index level of the CPI-U-X1. It has two columns:

year numeric year

cpi_u_x1 value of the CPI-U-X1 price index

Source

Emailed spreadsheet from the US Bureau of Labor Statistics

See Also

[c_cpi_u_extended_annual](#) extends the CPI-U-X1 from 1937 to the present using the [c_cpi_u](#) and other series.

Examples

```
cpi_u_x1_annual
```

`c_cpi_u`*Chained Consumer Price Index for Urban Consumers (C-CPI-U) data*

Description

Monthly, quarterly, or annual C-CPI-U price indexes

Usage

```
c_cpi_u_monthly_nsa
```

```
c_cpi_u_quarterly_nsa
```

```
c_cpi_u_annual
```

Format

The data frame `c_cpi_u_monthly_nsa` contains not-seasonally adjusted monthly price index levels of the Chained CPI-U (C-CPI-U). It has three columns:

year numeric year
month numeric calendar month (1-12)
c_cpi_u value of the C-CPI-U price index

The data frame `c_cpi_u_quarterly_nsa` contains not-seasonally adjusted quarterly price index levels of the Chained CPI-U (C-CPI-U). It has three columns:

year numeric year
quarter numeric calendar quarter (1-4)
c_cpi_u value of the C-CPI-U price index

The data frame `c_cpi_u_annual` contains the annual price index level of the Chained CPI-U (C-CPI-U). It has two columns:

year numeric year
c_cpi_u value of the C-CPI-U price index

Source

The monthly series `cpi_u_monthly_nsa` is taken from <https://www.bls.gov/cpi/>. The quarterly series `cpi_u_quarterly_nsa` series is the quarterly mean.

See Also

[cpi_u_rs_monthly_nsa](#) and [cpi_u_rs_annual](#) for the CPI-U-RS, a CPI index that is consistently defined over time and goes back to 1978.

Examples

```
c_cpi_u_monthly_nsa
```

<code>c_cpi_u_extended</code>	<i>Extended Chained Consumer Price Index for Urban Consumers (C-CPI-U)</i>
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Description

The monthly, quarterly, or annual C-CPI-U series extended to 1937 through the present, based on CPI-U-RS, CPI-U, and CPI-U-X1.

Usage

c_cpi_u_extended_monthly_nsa

c_cpi_u_extended_monthly_sa

c_cpi_u_extended_quarterly_nsa

c_cpi_u_extended_quarterly_sa

c_cpi_u_extended_annual

Format

The extended C-CPI-U series uses the C-CPI-U since 2000 and extends it retroactively by merging it to the CPI-U-RS (1978-1999), CPI-U-X1 (1967-1977), and CPI-U (1966 and before).

The data frames c_cpi_u_extended_monthly_nsa and c_cpi_u_extended_monthly_sa contain, respectively, the not-seasonally and seasonally adjusted price index levels of the extended C-CPI-U. They have three columns:

year numeric year

month numeric calendar month (1-12)

c_cpi_u_extended value of the C-CPI-U extended price index

The data frames c_cpi_u_extended_quarterly_nsa and c_cpi_u_extended_quarterly_sa are the quarterly versions of these series. They have three columns:

year numeric year

quarter numeric calendar quarter (1-4)

c_cpi_u_extended value of the C-CPI-U extended price index

The data frame c_cpi_u_extended_annual contains the annual price index level of the extended C-CPI-U. It has two columns:

year numeric year

c_cpi_u_extended value of the C-CPI-U extended price index

Source

The seasonal adjustment in c_cpi_u_extended_monthly_sa is simply a multiplication of the non-seasonally adjusted c_cpi_u_extended_monthly_nsa values by the ratio of the [cpi_u_monthly_sa](#) to [cpi_u_monthly_nsa](#). The quarterly c_cpi_u_extended_quarterly_nsa and c_cpi_u_extended_quarterly_sa series are the quarterly means of their respective monthly series.

For annual statistics, the U.S. Census Bureau currently uses a similar combination of price indexes to extend the C-CPI-U: <https://www.census.gov/topics/income-poverty/income/guidance/current-vs-constant-dollars.html>.

Examples

c_cpi_u_extended_annual

<code>get_price_index</code>	<i>Get price index series as a data frame</i>
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Description

Get price index series as a data frame

Usage

```
get_price_index(index_name, frequency, seasonal = NA)
```

Arguments

<code>index_name</code>	Name of the price index, as specified by index name in available_price_indexes
<code>frequency</code>	"monthly" or "annual"
<code>seasonal</code>	"NSA" or "SA" for monthly data; NA (default) for annual

Value

A tibble with the requested price index

Examples

```
get_price_index("CPI-U-RS", "monthly", "NSA")
```

<code>pce</code>	<i>Personal Consumption Expenditures (PCE) price index</i>
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Description

Monthly, quarterly, or annual PCE price indexes

Usage

```
pce_monthly_sa  
pce_quarterly_sa  
pce_annual
```


Format

The data frame `pce_monthly_sa` contains seasonally adjusted monthly price index levels of the PCE. It has three columns:

year numeric year

month numeric calendar month (1-12)

pce value of the PCE price index

The data frame `pce_quarterly_sa` contains seasonally adjusted quarterly price index levels of the PCE. It has three columns:

year numeric year

quarter numeric calendar quarter (1-3)

pce value of the PCE price index

The data frame `pce_annual` contains the annual price index level of the PCE. It has two columns:

year numeric year

pce value of the PCE price index

Source

<https://www.bea.gov/data/personal-consumption-expenditures-price-index>

Examples

```
pce_annual
```

```
us_minimum_wage
```

Example nominal US federal minimum wage data

Description

Example nominal US federal minimum wage data

Usage

```
us_minimum_wage_monthly
```

```
us_minimum_wage_annual
```

Format

The data frame `us_minimum_wage_annual` contains the nominal value of the annual US federal minimum wage since 1938. It has two columns:

year numeric year

minimum_wage maximum value of the US federal minimum wage that year

The data frame `us_minimum_wage_monthly` contains the nominal value of the monthly US federal minimum wage since 1938. It has three columns:

year numeric year

year numeric month

minimum_wage maximum value of the US federal minimum wage that month

Source

[US Department of Labor](#)

Examples

`us_minimum_wage_monthly`

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