Package ‘fpp3’

June 7, 2020

Title Data for "Forecasting: Principles and Practice" (3rd Edition)

Version 0.3

Description All data sets required for the examples and exercises in the book "Forecasting: principles and practice" by Rob J Hyndman and George Athanasopoulos <http://OTexts.org/fpp3/>. All packages required to run the examples are also loaded.

License GPL-3

URL https://github.com/robjhyndman/fpp3-package,
     https://OTexts.org/fpp3/

BugReports https://github.com/robjhyndman/fpp3-package

Depends R (>= 3.2)

Imports cli (>= 1.0.0), crayon (>= 1.3.4), dplyr (>= 0.7.4), fable (>= 0.1.0), fabletools (>= 0.1.0), feasts (>= 0.0.0.9001), ggplot2 (>= 3.1.1), lubridate (>= 1.7.4), magrittr (>= 1.5), purrr (>= 0.2.4), rstudioapi (>= 0.7), tibble (>= 1.4.2), tidyR (>= 0.8.3), tibble (>= 0.8.9.9000), tsibbledata (>= 0.1.0), urca (>= 1.3-0)

Encoding UTF-8

LazyData true

RoxygenNote 7.1.0

NeedsCompilation no

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| aus_airpassengers | Air Transport Passengers Australia |

Description

Total annual air passengers (in millions) including domestic and international aircraft passengers of air carriers registered in Australia. 1970-2016.

Format

Annual time series of class ’tsibble’.

Source

World Bank.

Examples

aus_airpassengers
**aus_arrivals**  

---

**aus_arrivals**  

*International Arrivals to Australia*

---

**Description**  

Quarterly international arrivals to Australia from Japan, New Zealand, UK and the US. 1981Q1 - 2012Q3.

**Format**  

Quarterly time series of class 'tsibble'.

**Source**  

Tourism Research Australia.

**Examples**

```r
aus_arrivals
```

---

**boston_marathon**  

*Boston marathon winning times since 1897*

---

**Description**  

Winning times for events at the Boston Marathon. 1897-2019.

**Format**  

Annual time series of class 'tsibble'.

**Source**  


**Examples**

```r
boston_marathon
```
canadian_gas  Monthly Canadian gas production

Description
Monthly Canadian gas production, billions of cubic metres, January 1960 - February 2005

Format
Monthly time series of class 'tsibble'.

Source

References
http://www.exponentialsmoothing.net

Examples

canadian_gas

fpp3_conflicts  Conflicts between fpp3 packages and other packages

Description
This function lists all the conflicts between packages in the fpp3 collection and other packages that you have loaded.

Usage
fpp3_conflicts()

Details
Some conflicts are deliberately ignored: intersect, union, setequal, and setdiff from dplyr; and intersect, union, setdiff, and as.difftime from lubridate. These functions make the base equivalents generic, so shouldn’t negatively affect any existing code.

Value
A list object of class fpp3_conflicts.
Examples

fpp3_conflicts()

---

fpp3_packages  List all packages loaded by fpp3

Description

List all packages loaded by fpp3

Usage

fpp3_packages(include_self = FALSE)

Arguments

include_self  Include fpp3 in the list?

Value

A character vector of package names.

Examples

fpp3_packages()

---

guinea_rice  Rice production (Guinea)

Description

Total annual rice production (million metric tons) for Guinea. 1970-2011.

Format

Annual time series of class ‘tsibble’.

Source

World Bank.

Examples

guinea_rice
us_change

*Percentage changes in economic variables in the USA.*

**Description**

us_change is a quarterly ‘tsibble’ containing percentage changes in quarterly personal consumption expenditure, personal disposable income, production, savings and the unemployment rate for the US, 1970 to 2016. Original $ values were in chained 2012 US dollars.

**Format**

Time series of class ‘tsibble’

**Source**

Federal Reserve Bank of St Louis.

**Examples**

us_change

us_employment

*US monthly employment data*

**Description**

us_employment is a monthly ‘tsibble’ containing US employment data from January 1939 to June 2019. Each ‘Series_ID’ represents different sectors of the economy.

**Format**

Time series of class ‘tsibble’

**Source**

U.S. Bureau of Labor Statistics

**Examples**

us_employment
**us_gasoline**

---

**us_gasoline**  
*US finished motor gasoline product supplied.*

---

**Description**

Weekly data beginning Week 6, 1991, ending Week 3, 2017. Units are "million barrels per day".

**Format**

Time series object of class 'tsibble'.

**Source**

US Energy Information Administration.

**Examples**

```
us_gasoline
```
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