Package ‘fpp3’

March 15, 2020

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

Version 0.2

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.

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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), rstudia (<https://orcid.org/0000-0002-2140-5352>), tibble (>= 0.7), tidyr (>= 0.8.3), tsibble (>= 0.8.2), tsibbledata (>= 0.1.0)

Encoding UTF-8

LazyData true

RoxygenNote 7.1.0

NeedsCompilation no

Author Rob Hyndman [aut, cre, cph] (<https://orcid.org/0000-0002-2140-5352>), George Athanasopoulos [ctb], Mitchell O'Hara-Wild [ctb], RStudio [cph]

Maintainer Rob Hyndman <Rob.Hyndman@monash.edu>

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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**

**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**
`aus_arrivals`

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**boston_marathon**

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

**Format**
Annual time series of class ‘tsibble’.

**Source**

**Examples**
`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

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**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()

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**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**

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

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**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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