

Package ‘SUdatasets’

March 10, 2022

Title What the Package Does (One Line, Title Case)

Version 0.0.0.9000

Description What the package does (one paragraph).

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Encoding UTF-8

Roxygen list(markdown = TRUE)

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Depends R (>= 2.10)

LazyData true

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bike	<i>Number of daily rides for a bike share company in Washington D.C.</i>
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Description

A dataset containing the number of rides per day and other attributes over the course of 2 years

Usage

bike

Format

A data frame with 731 rows and 12 variables:

dteday date in YYYY-MM-DD format

season categorical variable (1="winter", 2 = "spring", 3 = "summer", 4 = "fall")

yr year (0="2011", 1 = "2012")

mnth month from 1-12 where 1 = "January"

holiday binary variable for public holidays

weekday day of the week 0-6, 0 ="Sunday"

workingday binary variable for working days (=1)

weathersit categorical variable (1="clear", 2 = "mist", 3 = "light snow")

temp continuous temperature variable, normalized between 0,1

hum continuous humidity variable, normalized between 0,1

windspeed continuous windspeed variable, normalized between 0,1 ...

Source

<https://archive.ics.uci.edu/ml/datasets/bike+sharing+dataset>

chinagdp	<i>Yearly gross domestic product (GDP) per capita for China 1960-2020 in current US dollar.</i>
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Description

The dataset also contains the yearly growth rate with a missing value for the year 1960.

Usage

chinagdp

Format

A data frame with 60 rows and 3 variables:

year year in YYYY format

gdp gross domestic product per capita in current US dollar

gdp_growth percentage yearly growth ...

Source

The World Bank <https://data.worldbank.org/indicator/NY.GDP.PCAP.CD?locations=CN>

swedinfl	<i>Monthly Swedish (KPI-F) inflation and the central bank's repo interest rate.</i>
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Description

Inflation is 12-month percentage change of a measure of underlying inflation (KPIF) that excludes price changes due to changes in the interest rate.

Usage

```
swedinfl
```

Format

A data frame with 60 rows and 3 variables:

date year in DD/MM/YYYY format

KPIF Swedish inflation measured as 12-month percentage change in KPIF.

reporate central bank's repo interest rate in percent ...

Source

Statistics Sweden <https://www.scb.se/hitta-statistik/statistik-efter-amne/priser-och-konsumtion/konsumentprisindex/konsumentprisindex-kpi/pong/tabell-och-diagram/konsumentprisindex-med-fast-ranta-kpif-12-manadersforandring/> and Sveriges Riksbank <https://www.riksbank.se/sv/statistik/sok-rantor--valutakurser/>.

titanic	<i>Survival of passengers on the Titanic</i>
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Description

This data set provides information on the fate of passengers on the fatal maiden voyage of the ocean liner 'Titanic', summarized according to economic status (class), sex, age and survival.

NOTE: this is not the same as the dataset Titanic (note capital T) which has more observations, but also missing values.

Usage

```
titanic
```

Format

A data frame with 887 rows and 8 variables:

name passenger name

survived 0 = no, 1 = yes

sex male/female

age age of passenger

fare ticket cost

firstclass first class ticket ...

Details

The sinking of the Titanic is a famous event, and new books are still being published about it. Many well-known facts—from the proportions of first-class passengers to the ‘women and children first’ policy, and the fact that that policy was not entirely successful in saving the women and children in the third class—are reflected in the survival rates for various classes of passenger.

These data were originally collected by the British Board of Trade in their investigation of the sinking. Note that there is not complete agreement among primary sources as to the exact numbers on board, rescued, or lost.

Due in particular to the very successful film ‘Titanic’, the last years saw a rise in public interest in the Titanic. Very detailed data about the passengers is now available on the Internet, at sites such as Encyclopedia Titanica (<https://www.encyclopedia-titanica.org/>).

Source

Dawson, Robert J. MacG. (1995), The ‘Unusual Episode’ Data Revisited. *Journal of Statistics Education*, 3. doi: 10.1080/10691898.1995.11910499.

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