Package 'Przewodnik'

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Title Datasets and Functions Used in the Book 'Przewodnik po Pakiecie R'

Version 0.16.12

Description Data sets and functions used in the polish book ``Przewodnik po pakiecie R'' (The Hitchhiker's Guide to the R). See more at <http://biecek.pl/R>. Among others you will find here data about housing prices, cancer patients, running times and many others.

Depends R (>= 3.0.0), PogromcyDanych, PBImisc

License GPL-2

Encoding UTF-8

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R topics documented:

auta *Auta Dataset*

Description

A subset of an auta2012 dataset from the package PogromcyDanych.

Usage

```
data(auta)
```

Format

a data.frame with 2400 rows and 8 columns

Details

The subsequent columns describe:

- Marka Brand of the car
- Model Model of the car
- Cena Price
- KM Horse power
- Pojemnosc Volume of the engine
- Przebieg Mileage
- Paliwo Type of fuel
- Produkcja Year of production

Examples

```
library("Przewodnik")
summary(auta)
```

brca *BRCA Dataset*

Description

From The Cancer Genome Atlas dataset, subset for BRCA - BReast CAncer.

Usage

```
data(brca)
```

Format

a data.frame with 695 rows and 16 columns

Details

The subsequent columns describe:

- time, death - survival status for patient
- subtype - cancer subtype
- p53mut - mutation in p53
- MDM2, ..., DNAJB12 - expression of different genes

Examples

```
library("Przewodnik")
summary(brca)
```

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dane0 *Crunching of Oncology Data*

Description

The subsequent columns describe:

- Wiek age
- Rozmiar.guza cancer size
- Wezly.chlonne lymph nodes
- Nowotwor cancer
- Receptory.estrogenowe estrogen receptors
- Receptory.progesteronowe progesteron receptors
- Niepowodzenia failures
- Okres.bez.wznowy time of observation
- VEGF vascular endothelial growth factor

Usage

```
data(dane0)
```

Format

a data.frame with 97 rows and 9 columns

Examples

```
library("Przewodnik")
summary(dane0)
```

daneSoc *Example Sociodemographic Data*

Description

The subsequent columns describe:

- wiek Age
- wyksztalcenie Education
- st.cywilny Martial status
- plec Sex
- praca Work status
- cisnienie.skurczowe Blood pressure
- cisnienie.rozkurczowe Blood pressure

Usage

```
data(daneSoc)
```

Format

a data.frame with 204 rows and 7 columns

Examples

```
library("Przewodnik")
summary(daneSoc)
```

maratony *Marathons in Warsaw / Poland*

Description

Data from Warsaw marathons 2013 - 2016.

Usage

```
data(maratony)
```

Format

a data.frame with 70736 rows and 14 columns

Details

Orlen Maraton Warszawski - Based on https://www.orlenmarathon.pl/ database.

Polmaraton Warszawski - Based on http://pzupolmaratonwarszawski.com/ database.

The subsequent columns describe:

- nazwisko_imie First and Last name
- nr.startowy Number
- plec Gender
- rok Year
- biegi_uliczne Name of the marathon
- czas_brutto Gross Time
- czas_brutto_sec Gross Time in secs
- czas_netto Net Time
- czas_netto_sec Net Time in sec
- grup_wiek Age group
- kategoria Category
- kraj_nazwa Country
- miejsce_kat Place in Category
- miejsce_open Place in Open

Prepared by Krzysztof Trajkowski.

Examples

```
library("Przewodnik")
summary(maratony)
```

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mieszkania *Housing Prices Data*

Description

The subsequent columns describe:

- cena price
- pokoi number of rooms
- powierzchnia surface
- dzielnica district
- typ.budynku house type

Usage

```
data(mieszkania)
```

Format

a data.frame with 200 rows and 5 columns

Examples

```
library("Przewodnik")
summary(mieszkania)
```

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przezycia *Mortality Data for Poland*

Description

Mortality data for Poland. Based on http://www.mortality.org/ database. The subsequent columns describe:

- Year. Year or range of years (for both period and cohort data)
- Age. Age group for n-year interval from exact age x to just before exact age x+n, where n=1, 4, 5, or infinity (open age interval)
- m(x). Central death rate between ages x and x+n
- q(x). Probability of death between ages x and x+n
- a(x). Average length of survival between ages x and x+n for persons dying in the interval
- l(x). Number of survivors at exact age x, assuming l(0) = 100,000
- d(x). Number of deaths between ages x and x+n
- L(x). Number of person-years lived between ages x and x+n
- T(x). Number of person-years remaining after exact age x
- e(x). Life expectancy at exact age x (in years)

Usage

```
data(przezycia)
```

Format

a data.frame with 11544 rows and 11 columns

Details

Find more at http://www.mortality.org/Public/ExplanatoryNotes.php#CompleteDataSeries

Examples

```
library("Przewodnik")
summary(przezycia)
```

szkolne_wypadki *School Injuries in Poland*

Description

Data about School Injuries in Poland in school years 2012/2013 and 2013/2014. Based on http://www.cie.men.gov.pl/index.ph
statystyczne/137.html

Usage

```
data(szkolne_wypadki)
```

Format

a data.frame with 20958 rows and 7 columns

Details

The subsequent columns describe:

- wojewodztwo Region
- szkola Type of school
- przypadek How heavy was the injury?
- rok.szkolny school year
- typ Is is about part of body or about type of injury
- rodzaj Detailed group
- liczba Number of injuries

Prepared by Krzysztof Trajkowski.

Examples

```
library("Przewodnik")
summary(szkolne_wypadki)
```

`titanic` *Titanic Dataset*

Description

Based on the titanic dataset from titanic package (from kaggle).

Usage

```
data(titanic)
```

Format

a data.frame with 891 rows and 6 columns

Details

The subsequent columns describe:

- Survived 1 - survived, 0 - death
- Pclass class, from 1 to 3
- Sex sex
- Age age
- Fare fare
- Embarked embarked

Examples

```
library("Przewodnik")
summary(titanic)
```

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