Package 'resampledata'

October 14, 2022

Type Package

Title Data Sets for Mathematical Statistics with Resampling in R

Version 0.3.1

Suggests resample (>= 0.4)

Maintainer Albert Y. Kim <albert.ys.kim@gmail.com>

Description Package of data sets from ``Mathematical Statistics
with Resampling in R'' (1st Ed. 2011, 2nd Ed. 2018) by Laura Chihara and Tim Hesterberg.

Depends R (>= 2.10)

License CC0

LazyData TRUE

RoxygenNote 6.1.1

URL https://github.com/rudeboybert/resampledata

BugReports https://github.com/rudeboybert/resampledata/issues

NeedsCompilation no

Author Laura Chihara [aut],
Tim Hesterberg [aut],
Albert Y. Kim [aut, cre]

Repository CRAN

Date/Publication 2019-08-30 04:20:10 UTC

R topics documented:

Alelager   *Calories and alcohol content for ales and lagers.*

Description

A data set containing X. The variables are as follows:

Usage

    Alelager

Format

A data frame with X rows and Y variables:

-

Bangladesh   *Bangladesh*

Description

The Bangladesh data is provided solely for illustrative purposes and to enable statistical analysis. Full data are available from the British Geological Survey web site: http://www.bgs.ac.uk/arsenic/bphase2/datadownload.htm.

Usage

    Bangladesh

Format

A data frame with X rows and Y variables:

-

Details

A data set containing X. The variables are as follows:

Batters2005	*Batters2005*

Description

A data set containing X. The variables are as follows:

Usage

Batters2005

Format

A data frame with X rows and Y variables:

•

Beerwings	*Beer and hot wings consumption.*

Description

A data set containing X. The variables are as follows:

Usage

Beerwings

Format

A data frame with X rows and Y variables:

•

BookPrices	*Price of hardcover textbooks from mathematics and the natural sciences and the social sciences.*

Description

A data set containing X. The variables are as follows:

Usage

```
BookPrices
```

Format

A data frame with X rows and Y variables:

-

Bushmeat	*Bushmeat in Ghana.*

Description

A data set containing X. The variables are as follows:

Usage

```
Bushmeat
```

Format

A data frame with X rows and Y variables:

-

Bushmeat2   *Bushmeat in Ghana.*

Description

A data set containing X. The variables are as follows:

Usage

```
Bushmeat2
```

Format

A data frame with X rows and Y variables:

*

Cameras   *Prices of a sample of point-and-shoot digital cameras.*

Description

A data set containing X. The variables are as follows:

Usage

```
Cameras
```

Format

A data frame with X rows and Y variables:

*

Cereals	*Information on various cereals.*

Description

A data set containing X. The variables are as follows:

Usage

```
Cereals
```

Format

A data frame with X rows and Y variables:

•

Challenger	*Data on 23 Challenger flights.*

Description

A data set containing X. The variables are as follows:

Usage

```
Challenger
```

Format

A data frame with X rows and Y variables:

•

ChiMarathonMen *Data on Marathon times.*

Description

A data set containing X. The variables are as follows:

Usage

```
ChiMarathonMen
```

Format

A data frame with X rows and Y variables:

-

---

corrExerciseA *Correlation Exercise A p.294*

Description

A data set containing X. The variables are as follows:

Usage

```
corrExerciseA
```

Format

A data frame with X rows and Y variables:

-

---

corrExerciseB *Correlation Exercise B p.294*

Description

A data set containing X. The variables are as follows:

Usage

```
corrExerciseB
```

Format

A data frame with X rows and Y variables:

•

Cuckoos *Cuckoos*

Description

A data set containing X. The variables are as follows:

Usage

```
Cuckoos
```

Format

A data frame with X rows and Y variables:

•

Diving2017   *Diving times in 2017*

Description

A data set containing X. The variables are as follows:

Usage

```
Diving2017
```

Format

A data frame with X rows and Y variables:

-

Fatalities   *Random sample of 100 driver fatalities in 2009 in Pennsylvania.*

Description

A data set containing X. The variables are as follows:

Usage

```
Fatalities
```

Format

A data frame with X rows and Y variables:

-

FishMercury   *Mercury levels (parts per million) for 30 fish caught in lakes in Minnesota.*

Description

A data set containing X. The variables are as follows:

Usage

```
FishMercury
```

Format

A data frame with X rows and Y variables:

-

FlightDelays   *Information on 4029 United and American airlines departures from LGA during May and June 2009.*

Description

A data set containing X. The variables are as follows:

Usage

```
FlightDelays
```

Format

A data frame with X rows and Y variables:

-

| Girls2004 | *Random sample of 40 baby girls born in Alaska and 40 baby girls born in Wyoming.* |

Description

A data set containing X. The variables are as follows:

Usage

```
Girls2004
```

Format

A data frame with X rows and Y variables:

-

| Groceries | *Groceries.* |

Description

A data set containing X. The variables are as follows:

Usage

```
Groceries
```

Format

A data frame with X rows and Y variables:

-

GSS2002 *Results from 2002 General Society Survey.*

Description

A data set containing X. The variables are as follows:

Usage

GSS2002

Format

A data frame with X rows and Y variables:

•

GSS2006 *Results from 2006 General Society Survey.*

Description

A data set containing X. The variables are as follows:

Usage

GSS2006

Format

A data frame with X rows and Y variables:

•

IceCream	*Calorie information for a sample of brands of chocolate and vanilla ice cream.*

Description

A data set containing X. The variables are as follows:

Usage

IceCream

Format

A data frame with X rows and Y variables:

-

ILBoys	*IL Boys*

Description

A data set containing X. The variables are as follows:

Usage

ILBoys

Format

A data frame with X rows and Y variables:

-

Illiteracy	*Data on a sample of countries where female illiteracy is more that 5 percent.*

Description

A data set containing X. The variables are as follows:

Usage

```
Illiteracy
```

Format

A data frame with X rows and Y variables:

-

Lottery	*Winning numbers for the daily games from May 5, 2010 through August 15, 2010.*

Description

A data set containing X. The variables are as follows:

Usage

```
Lottery
```

Format

A data frame with X rows and Y variables:

-

---

manatees   *manatees*

Description

A data set containing X. The variables are as follows:

Usage

manatees

Format

A data frame with X rows and Y variables:

-

MathAnxiety   *Math Anxiety*

Description

A data set containing X. The variables are as follows:

Usage

MathAnxiety

Format

A data frame with X rows and Y variables:

-

Maunaloa	*Data on average CO2 levels (ppm) for the month of May from 1990 to 2010.*

Description

A data set containing X. The variables are as follows:

Usage

```
Maunaloa
```

Format

A data frame with X rows and Y variables:

*

MnGroundwater	*Measurements on water quality of 895 randomly selected wells in Minnesota.*

Description

A data set containing X. The variables are as follows:

Usage

```
MnGroundwater
```

Format

A data frame with X rows and Y variables:

*

MobileAds	*Mobile Ads.*

Description

A data set containing X. The variables are as follows:

Usage

```
MobileAds
```

Format

A data frame with X rows and Y variables:

-

Nasdaq	*NASDAQ Data.*

Description

A data set containing X. The variables are as follows:

Usage

```
Nasdaq
```

Format

A data frame with X rows and Y variables:

-

NBA1617	*NBA 2016-2017 data.*

Description

A data set containing X. The variables are as follows:

Usage

NBA1617

Format

A data frame with X rows and Y variables:

-

NCBirths2004	*Random sample of 1009 babies born in North Carolina during 2004.*

Description

A data set containing X. The variables are as follows:

Usage

NCBirths2004

Format

A data frame with X rows and Y variables:

-

Olympics2012   *2012 Olympics Data.*

Description

A data set containing X. The variables are as follows:

Usage

Olympics2012

Format

A data frame with X rows and Y variables:

-

Phillies2009   *Data from the 2009 season for the baseball team of the Philadelphia Phillies.*

Description

A data set containing X. The variables are as follows:

Usage

Phillies2009

Format

A data frame with X rows and Y variables:

-

Pitchers2005	*Pitchers2005*

Description

A data set containing X. The variables are as follows:

Usage

```
Pitchers2005
```

Format

A data frame with X rows and Y variables:

-

Quakes	*Time between earthquakes (in days).*

Description

A data set containing X. The variables are as follows:

Usage

```
Quakes
```

Format

A data frame with X rows and Y variables:

-

Quetzal	*Quetzal.*

Description

A data set containing X. The variables are as follows:

Usage

```
Quetzal
```

Format

A data frame with X rows and Y variables:

•

RangersTwins2016	*Rangers/Twins 2016 Baseball Data.*

Description

A data set containing X. The variables are as follows:

Usage

```
RangersTwins2016
```

Format

A data frame with X rows and Y variables:

•

Reading   *Children's reading abilities.*

Description

A data set containing X. The variables are as follows:

Usage

```
Reading
```

Format

A data frame with X rows and Y variables:

-

Recidivism   *Recidivism data.*

Description

A data set containing X. The variables are as follows:

Usage

```
Recidivism
```

Format

A data frame with X rows and Y variables:

-

---

resampledata   *resampledata: Data Sets for Mathematical Statistics with Resampling*
                                in R

Description

Package of data sets from "Mathematical Statistics with Resampling in R" (1st Ed. 2011, 2nd Ed. 2018) by Laura Chihara and Tim Hesterberg. Note the [Bangladesh](#) data is provided solely for illustrative purposes and to enable statistical analysis. Full data are available from the British Geological Survey web site <http://www.bgs.ac.uk/arsenic/bangladesh/>.

Data sets

Type data(package="resampledata") to view all datasets.

References

Hesterberg, Tim (2014), What Teachers Should Know about the Bootstrap: Resampling in the Undergraduate Statistics Curriculum, <http://arxiv.org/abs/1411.5279>.

Chihara, Laura M., Hesterberg, Tim C. (1st Ed. 2011, 2nd Ed. 2018). Mathematical Statistics with Resampling and R. Hoboken, NJ: John Wiley & Sons.

Examples

```
library(resampledata)
data(FlightDelays)
```

Salaries   *Salaries*

Description

A data set containing X. The variables are as follows:

Usage

```
Salaries
```

Format

A data frame with X rows and Y variables:

- •

Sat2008	*Sat2008*

Description

A data set containing X. The variables are as follows:

Usage

```
Sat2008
```

Format

A data frame with X rows and Y variables:

-

Service	*Service times (in minutes) for 174 customers at a college snack bar.*

Description

A data set containing X. The variables are as follows:

Usage

```
Service
```

Format

A data frame with X rows and Y variables:

-

Skateboard   *Skateboarding data*

Description

A data set containing X. The variables are as follows:

Usage

Skateboard

Format

A data frame with X rows and Y variables:

-

Skating2010   *Scores from the short program and free skate for men's figure skating in the 2010 Olympics.*

Description

A data set containing X. The variables are as follows:

Usage

Skating2010

Format

A data frame with X rows and Y variables:

-

Spruce	*Study of factors affecting the growth of the black spruce.*

Description

A data set containing X. The variables are as follows:

Usage

```
Spruce
```

Format

A data frame with X rows and Y variables:

-

Starcraft	*Starcraft*

Description

A data set containing X. The variables are as follows:

Usage

```
Starcraft
```

Format

A data frame with X rows and Y variables:

-

Titanic   *Data on male passengers on the Titanic.*

Description

A data set containing X. The variables are as follows:

Usage

Titanic

Format

A data frame with X rows and Y variables:

  •

Turbine   *Wind Speeds (m/s) from Carleton College Turbine.*

Description

A data set containing X. The variables are as follows:

Usage

Turbine

Format

A data frame with X rows and Y variables:

  •

TV *TV*

Description

A data set containing X. The variables are as follows:

Usage

```
TV
```

Format

A data frame with X rows and Y variables:

-

TXBirths2004 *Random sample of 1587 babies born in Texas in 2004.*

Description

A data set containing X. The variables are as follows:

Usage

```
TXBirths2004
```

Format

A data frame with X rows and Y variables:

-

Verizon	*Random sample of repair times for 1664 ILEC and 23 CLEC customers.*

Description

A data set containing X. The variables are as follows:

Usage

```
Verizon
```

Format

A data frame with X rows and Y variables:

•

Volleyball2009	*Volleyball2009*

Description

A data set containing X. The variables are as follows:

Usage

```
Volleyball2009
```

Format

A data frame with X rows and Y variables:

•

wafers	*Wafers*

Description

A data set containing X. The variables are as follows:

Usage

```
wafers
```

Format

A data frame with X rows and Y variables:

-

Walleye	*Length and weight measurements for a sample of 60 walleye caught in Minnesota lakes.*

Description

A data set containing X. The variables are as follows:

Usage

```
Walleye
```

Format

A data frame with X rows and Y variables:

-

Watertable   *Relationship between seedling growth and water table depth for a*
                                        sample of seedlings.

Description

A data set containing X. The variables are as follows:

Usage

Watertable

Format

A data frame with X rows and Y variables:

- •

Index

33