Package 'resampledata'

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Type Package

Title Data Sets for Mathematical Statistics with Resampling in R

Version 0.3.2

Suggests resample (>= 0.4)

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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)

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LazyData TRUE

RoxygenNote 7.3.2

Encoding UTF-8

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

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

NeedsCompilation no

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Repository CRAN

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Contents

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

Description

A data set containing 31 beers. The variables are as follows:

Usage

```
Alelager
```

Format

A data frame with 31 rows and 4 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: https://www2.bgs.ac.uk/groundwater/health/arsenic/Bangladesh/home.html.

Usage

```
Bangladesh
```

Format

A data frame with 271 rows and 3 variables:

Details

A data set containing 271 ??. 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 https://www2.bgs.ac.uk/groundwater/health/arsenic/Bangladesh/home.html.

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:

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