

Package ‘resampleddata’

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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

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Encoding UTF-8

URL <https://github.com/rudeboybert/resampleddata>

BugReports <https://github.com/rudeboybert/resampleddata/issues>

NeedsCompilation no

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Contents

| | |
|-----------------------|---|
| Alelager | 3 |
| Bangladesh | 3 |
| Batters2005 | 4 |
| Beerwings | 4 |
| BookPrices | 4 |
| Bushmeat | 5 |

| | |
|------------------|----|
| Bushmeat2 | 5 |
| Cameras | 5 |
| Cereals | 6 |
| Challenger | 6 |
| ChiMarathonMen | 6 |
| corrExerciseA | 7 |
| corrExerciseB | 7 |
| Cuckoos | 7 |
| Diving2017 | 8 |
| Fatalities | 8 |
| FishMercury | 8 |
| FlightDelays | 9 |
| Girls2004 | 9 |
| Groceries | 9 |
| GSS2002 | 10 |
| GSS2006 | 10 |
| IceCream | 10 |
| ILBoys | 11 |
| Illiteracy | 11 |
| Lottery | 11 |
| manatees | 12 |
| MathAnxiety | 12 |
| Maunaloa | 12 |
| MnGroundwater | 13 |
| MobileAds | 13 |
| Nasdaq | 13 |
| NBA1617 | 14 |
| NCBirths2004 | 14 |
| Olympics2012 | 14 |
| Phillies2009 | 15 |
| Pitchers2005 | 15 |
| Quakes | 15 |
| Quetzal | 16 |
| RangersTwins2016 | 16 |
| Reading | 16 |
| Recidivism | 17 |
| resampledata | 17 |
| Salaries | 18 |
| Sat2008 | 18 |
| Service | 18 |
| Skateboard | 19 |
| Skating2010 | 19 |
| Spruce | 19 |
| Starcraft | 20 |
| Titanic | 20 |
| Turbine | 20 |
| TV | 21 |
| TXBirths2004 | 21 |

| | |
|--------------------------|-----------|
| <i>Alalager</i> | 3 |
| Verizon | 21 |
| Volleyball2009 | 22 |
| wafers | 22 |
| Walleye | 22 |
| Watertable | 23 |
| Index | 24 |

| | |
|----------|--|
| Alalager | <i>Calories and alcohol content for ales and lagers.</i> |
|----------|--|

Description

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

Usage

Alalager

Format

A data frame with 31 rows and 4 variables:

| | |
|------------|-------------------|
| Bangladesh | <i>Bangladesh</i> |
|------------|-------------------|

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 | <i>Batters2005</i> |
|-------------|--------------------|

Description

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

Usage

Batters2005

Format

A data frame with X rows and Y variables:

| | |
|-----------|--|
| Beerwings | <i>Beer and hot wings consumption.</i> |
|-----------|--|

Description

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

Usage

Beerwings

Format

A data frame with X rows and Y variables:

| | |
|------------|--|
| BookPrices | <i>Price of hardcover textbooks from mathematics and the natural sciences and the social sciences.</i> |
|------------|--|

Description

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

Usage

BookPrices

Format

A data frame with X rows and Y variables:

| | |
|----------|---------------------------|
| Bushmeat | <i>Bushmeat in Ghana.</i> |
|----------|---------------------------|

Description

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

Usage

Bushmeat

Format

A data frame with X rows and Y variables:

| | |
|-----------|---------------------------|
| Bushmeat2 | <i>Bushmeat in Ghana.</i> |
|-----------|---------------------------|

Description

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

Usage

Bushmeat2

Format

A data frame with X rows and Y variables:

| | |
|---------|---|
| Cameras | <i>Prices of a sample of point-and-shoot digital cameras.</i> |
|---------|---|

Description

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

Usage

Cameras

Format

A data frame with X rows and Y variables:

| | |
|---------|--|
| Cereals | <i>Information on various cereals.</i> |
|---------|--|

Description

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

Usage

Cereals

Format

A data frame with X rows and Y variables:

| | |
|------------|---------------------------------------|
| Challenger | <i>Data on 23 Challenger flights.</i> |
|------------|---------------------------------------|

Description

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

Usage

Challenger

Format

A data frame with X rows and Y variables:

| | |
|----------------|--------------------------------|
| ChiMarathonMen | <i>Data on Marathon times.</i> |
|----------------|--------------------------------|

Description

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

Usage

ChiMarathonMen

Format

A data frame with X rows and Y variables:

| | |
|---------------|-------------------------------------|
| corrExerciseA | <i>Correlation Exercise A p.294</i> |
|---------------|-------------------------------------|

Description

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

Usage

corrExerciseA

Format

A data frame with X rows and Y variables:

| | |
|---------------|-------------------------------------|
| corrExerciseB | <i>Correlation Exercise B p.294</i> |
|---------------|-------------------------------------|

Description

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

Usage

corrExerciseB

Format

A data frame with X rows and Y variables:

| | |
|---------|----------------|
| Cuckoos | <i>Cuckoos</i> |
|---------|----------------|

Description

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

Usage

Cuckoos

Format

A data frame with X rows and Y variables:

| | |
|------------|-----------------------------|
| Diving2017 | <i>Diving times in 2017</i> |
|------------|-----------------------------|

Description

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

Usage

Diving2017

Format

A data frame with X rows and Y variables:

| | |
|------------|--|
| Fatalities | <i>Random sample of 100 driver fatalities in 2009 in Pennsylvania.</i> |
|------------|--|

Description

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

Usage

Fatalities

Format

A data frame with X rows and Y variables:

| | |
|-------------|---|
| FishMercury | <i>Mercury levels (parts per million) for 30 fish caught in lakes in Minnesota.</i> |
|-------------|---|

Description

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

Usage

FishMercury

Format

A data frame with X rows and Y variables:

| | |
|--------------|---|
| FlightDelays | <i>Information on 4029 United and American airlines departures from LGA during May and June 2009.</i> |
|--------------|---|

Description

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

Usage

FlightDelays

Format

A data frame with X rows and Y variables:

| | |
|-----------|---|
| Girls2004 | <i>Random sample of 40 baby girls born in Alaska and 40 baby girls born in Wyoming.</i> |
|-----------|---|

Description

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

Usage

Girls2004

Format

A data frame with X rows and Y variables:

| | |
|-----------|-------------------|
| Groceries | <i>Groceries.</i> |
|-----------|-------------------|

Description

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

Usage

Groceries

Format

A data frame with X rows and Y variables:

| | |
|---------|--|
| GSS2002 | <i>Results from 2002 General Society Survey.</i> |
|---------|--|

Description

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

Usage

GSS2002

Format

A data frame with X rows and Y variables:

| | |
|---------|--|
| GSS2006 | <i>Results from 2006 General Society Survey.</i> |
|---------|--|

Description

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

Usage

GSS2006

Format

A data frame with X rows and Y variables:

| | |
|----------|---|
| IceCream | <i>Calorie information for a sample of brands of chocolate and vanilla ice cream.</i> |
|----------|---|

Description

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

Usage

IceCream

Format

A data frame with X rows and Y variables:

| | |
|--------|----------------|
| ILBoys | <i>IL Boys</i> |
|--------|----------------|

Description

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

Usage

ILBoys

Format

A data frame with X rows and Y variables:

| | |
|------------|--|
| Illiteracy | <i>Data on a sample of countries where female illiteracy is more than 5 percent.</i> |
|------------|--|

Description

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

Usage

Illiteracy

Format

A data frame with X rows and Y variables:

| | |
|---------|--|
| Lottery | <i>Winning numbers for the daily games from May 5, 2010 through August 15, 2010.</i> |
|---------|--|

Description

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

Usage

Lottery

Format

A data frame with X rows and Y variables:

| | |
|----------|-----------------|
| manatees | <i>manatees</i> |
|----------|-----------------|

Description

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

Usage

manatees

Format

A data frame with X rows and Y variables:

| | |
|-------------|---------------------|
| MathAnxiety | <i>Math Anxiety</i> |
|-------------|---------------------|

Description

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

Usage

MathAnxiety

Format

A data frame with X rows and Y variables:

| | |
|----------|---|
| Maunaloa | <i>Data on average CO2 levels (ppm) for the month of May from 1990 to 2010.</i> |
|----------|---|

Description

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

Usage

Maunaloa

Format

A data frame with X rows and Y variables:

| | |
|---------------|---|
| MnGroundwater | <i>Measurements on water quality of 895 randomly selected wells in Minnesota.</i> |
|---------------|---|

Description

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

Usage

MnGroundwater

Format

A data frame with X rows and Y variables:

| | |
|-----------|--------------------|
| MobileAds | <i>Mobile Ads.</i> |
|-----------|--------------------|

Description

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

Usage

MobileAds

Format

A data frame with X rows and Y variables:

| | |
|--------|---------------------|
| Nasdaq | <i>NASDAQ Data.</i> |
|--------|---------------------|

Description

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

Usage

Nasdaq

Format

A data frame with X rows and Y variables:

| | |
|---------|----------------------------|
| NBA1617 | <i>NBA 2016-2017 data.</i> |
|---------|----------------------------|

Description

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

Usage

NBA1617

Format

A data frame with X rows and Y variables:

| | |
|--------------|---|
| NCBirths2004 | <i>Random sample of 1009 babies born in North Carolina during 2004.</i> |
|--------------|---|

Description

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

Usage

NCBirths2004

Format

A data frame with X rows and Y variables:

| | |
|--------------|----------------------------|
| Olympics2012 | <i>2012 Olympics Data.</i> |
|--------------|----------------------------|

Description

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

Usage

Olympics2012

Format

A data frame with X rows and Y variables:

| | |
|--------------|--|
| Phillies2009 | <i>Data from the 2009 season for the baseball team of the Philadelphia Phillies.</i> |
|--------------|--|

Description

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

Usage

Phillies2009

Format

A data frame with X rows and Y variables:

| | |
|--------------|---------------------|
| Pitchers2005 | <i>Pitchers2005</i> |
|--------------|---------------------|

Description

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

Usage

Pitchers2005

Format

A data frame with X rows and Y variables:

| | |
|--------|--|
| Quakes | <i>Time between earthquakes (in days).</i> |
|--------|--|

Description

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

Usage

Quakes

Format

A data frame with X rows and Y variables:

| | |
|---------|-----------------|
| Quetzal | <i>Quetzal.</i> |
|---------|-----------------|

Description

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

Usage

Quetzal

Format

A data frame with X rows and Y variables:

| | |
|------------------|--|
| RangersTwins2016 | <i>Rangers/Twins 2016 Baseball Data.</i> |
|------------------|--|

Description

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

Usage

RangersTwins2016

Format

A data frame with X rows and Y variables:

| | |
|---------|--------------------------------------|
| Reading | <i>Children's reading abilities.</i> |
|---------|--------------------------------------|

Description

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

Usage

Reading

Format

A data frame with X rows and Y variables:

| | |
|------------|-------------------------|
| Recidivism | <i>Recidivism data.</i> |
|------------|-------------------------|

Description

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

Usage

```
Recidivism
```

Format

A data frame with X rows and Y variables:

| | |
|---------------|--|
| resampleddata | <i>resampleddata: Data Sets for Mathematical Statistics with Resampling in R</i> |
|---------------|--|

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="resampleddata")` 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(resampleddata)
data(FlightDelays)
```

| | |
|----------|-----------------|
| Salaries | <i>Salaries</i> |
|----------|-----------------|

Description

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

Usage

Salaries

Format

A data frame with X rows and Y variables:

| | |
|---------|----------------|
| Sat2008 | <i>Sat2008</i> |
|---------|----------------|

Description

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

Usage

Sat2008

Format

A data frame with X rows and Y variables:

| | |
|---------|---|
| Service | <i>Service times (in minutes) for 174 customers at a college snack bar.</i> |
|---------|---|

Description

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

Usage

Service

Format

A data frame with X rows and Y variables:

| | |
|------------|---------------------------|
| Skateboard | <i>Skateboarding data</i> |
|------------|---------------------------|

Description

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

Usage

Skateboard

Format

A data frame with X rows and Y variables:

| | |
|-------------|--|
| Skating2010 | <i>Scores from the short program and free skate for men's figure skating in the 2010 Olympics.</i> |
|-------------|--|

Description

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

Usage

Skating2010

Format

A data frame with X rows and Y variables:

| | |
|--------|---|
| Spruce | <i>Study of factors affecting the growth of the black spruce.</i> |
|--------|---|

Description

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

Usage

Spruce

Format

A data frame with X rows and Y variables:

| | |
|-----------|------------------|
| Starcraft | <i>Starcraft</i> |
|-----------|------------------|

Description

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

Usage

Starcraft

Format

A data frame with X rows and Y variables:

| | |
|---------|--|
| Titanic | <i>Data on male passengers on the Titanic.</i> |
|---------|--|

Description

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

Usage

Titanic

Format

A data frame with X rows and Y variables:

| | |
|---------|---|
| Turbine | <i>Wind Speeds (m/s) from Carleton College Turbine.</i> |
|---------|---|

Description

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

Usage

Turbine

Format

A data frame with X rows and Y variables:

| | |
|----|-----------|
| TV | <i>TV</i> |
|----|-----------|

Description

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

Usage

TV

Format

A data frame with X rows and Y variables:

| | |
|--------------|--|
| TXBirths2004 | <i>Random sample of 1587 babies born in Texas in 2004.</i> |
|--------------|--|

Description

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

Usage

TXBirths2004

Format

A data frame with X rows and Y variables:

| | |
|---------|---|
| Verizon | <i>Random sample of repair times for 1664 ILEC and 23 CLEC customers.</i> |
|---------|---|

Description

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

Usage

Verizon

Format

A data frame with X rows and Y variables:

| | |
|-----------------|-----------------------|
| Volleyball12009 | <i>Volleyball2009</i> |
|-----------------|-----------------------|

Description

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

Usage

Volleyball12009

Format

A data frame with X rows and Y variables:

| | |
|--------|---------------|
| wafers | <i>Wafers</i> |
|--------|---------------|

Description

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

Usage

wafers

Format

A data frame with X rows and Y variables:

| | |
|---------|---|
| Walleye | <i>Length and weight measurements for a sample of 60 walleye caught in Minnesota lakes.</i> |
|---------|---|

Description

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

Usage

Walleye

Format

A data frame with X rows and Y variables:

| | |
|------------|--|
| Watertable | <i>Relationship between seedling growth and water table depth for a sample of seedlings.</i> |
|------------|--|

Description

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

Usage

Watertable

Format

A data frame with X rows and Y variables:

Index

* datasets

Alelager, 3
Bangladesh, 3
Batters2005, 4
Beerwings, 4
BookPrices, 4
Bushmeat, 5
Bushmeat2, 5
Cameras, 5
Cereals, 6
Challenger, 6
ChiMarathonMen, 6
corrExerciseA, 7
corrExerciseB, 7
Cuckoos, 7
Diving2017, 8
Fatalities, 8
FishMercury, 8
FlightDelays, 9
Girls2004, 9
Groceries, 9
GSS2002, 10
GSS2006, 10
IceCream, 10
ILBoys, 11
Illiteracy, 11
Lottery, 11
manatees, 12
MathAnxiety, 12
Maunaloa, 12
MnGroundwater, 13
MobileAds, 13
Nasdaq, 13
NBA1617, 14
NCBirths2004, 14
Olympics2012, 14
Phillies2009, 15
Pitchers2005, 15
Quakes, 15

Quetzal, 16
RangersTwins2016, 16
Reading, 16
Recidivism, 17
Salaries, 18
Sat2008, 18
Service, 18
Skateboard, 19
Skating2010, 19
Spruce, 19
Starcraft, 20
Titanic, 20
Turbine, 20
TV, 21
TXBirths2004, 21
Verizon, 21
Volleyball2009, 22
wafers, 22
Walleye, 22
Watertable, 23

Alelager, 3

Bangladesh, 3, 17
Batters2005, 4
Beerwings, 4
BookPrices, 4
Bushmeat, 5
Bushmeat2, 5

Cameras, 5
Cereals, 6
Challenger, 6
ChiMarathonMen, 6
corrExerciseA, 7
corrExerciseB, 7
Cuckoos, 7

Diving2017, 8

Fatalities, 8

FishMercury, [8](#)
FlightDelays, [9](#)

Girls2004, [9](#)
Groceries, [9](#)
GSS2002, [10](#)
GSS2006, [10](#)

IceCream, [10](#)
ILBoys, [11](#)
Illiteracy, [11](#)

Lottery, [11](#)

manatees, [12](#)
MathAnxiety, [12](#)
Maunaloa, [12](#)
MnGroundwater, [13](#)
MobileAds, [13](#)

Nasdaq, [13](#)
NBA1617, [14](#)
NCBirths2004, [14](#)

Olympics2012, [14](#)

Phillies2009, [15](#)
Pitchers2005, [15](#)

Quakes, [15](#)
Quetzal, [16](#)

RangersTwins2016, [16](#)
Reading, [16](#)
Recidivism, [17](#)
resampleddata, [17](#)

Salaries, [18](#)
Sat2008, [18](#)
Service, [18](#)
Skateboard, [19](#)
Skating2010, [19](#)
Spruce, [19](#)
Starcraft, [20](#)

Titanic, [20](#)
Turbine, [20](#)
TV, [21](#)
TXBirths2004, [21](#)

Verizon, [21](#)

Volleyball2009, [22](#)

wafers, [22](#)
Walleye, [22](#)
Watertable, [23](#)