

Package ‘resampleddata’

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Type Package

Title Data Sets for Mathematical Statistics with Resampling in R

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

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

NeedsCompilation no

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Allelager	<i>Calories and alcohol content for ales and lagers.</i>
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Description

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

Usage

Allelager

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>
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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:

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