Package 'resampledata3'

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(3rd Ed)

Version 1.0

Author Laura Chihara [aut],
Tim Hesterberg [aut, cre]

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Maintainer Tim Hesterberg <timhesterberg@gmail.com>

Description Data sets for Chihara and Hesterberg (2022, ISBN: 978-1-119-87404-1)
``Mathematical Statistics with Resampling in R'' (3rd Ed).

Depends R (>= 4.2.0)

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URL https://github.com/lchihara/MathStatsResamplingR

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resampledata3-package *Data Sets for "Mathematical Statistics with Resampling and R" (3rd Ed)*

Description

Data sets for Chihara and Hesterberg (2022, ISBN: 978-1-119-87404-1) "Mathematical Statistics with Resampling in R" (3rd Ed). <https://github.com/lchihara/MathStatsResamplingR>

Examples

```
# For a list of datasets do:
library(help = resampledata3)
```

Alelager *Alcohol content and calories of beers*

Description

Alcohol content and calories for a sample of ale and lager beers.

Usage

```
Alelager
```

Format

A data frame with 31 observations on the following 4 variables.

ID Subject ID

Type Beer: ale or lager

Alcohol Percentage alcohol content

Calories Number of calories

Bangladesh	*Arsenic levels of wells in Bangladesh*

Description

Levels of arsenic, chlorine and cobalt in a sample of 271 wells in Bangladesh.

Usage

```
Bangladesh
```

Format

A data frame with 271 observations on the following 3 variables.

Arsenic Arsenic level, ppb

Chlorine Chlorine level, ppb

Cobalt Cobalt level, ppb

Source

https://www2.bgs.ac.uk/groundwater/health/arsenic/Bangladesh/data.html

References

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Beerwings	*Beer and hotwings consumption*

Description

Beer and hotwings consumption by a sample of patrons at a Minneapolis bar.

Usage

```
Beerwings
```

Format

A data frame with 30 observations on the following 4 variables.

ID Subject ID

Hotwings Number of hotwings consumed

Beer Ounces of beers consumed

Gender Gender of patron (M/F)

Source

Data collected by Nicole Catchpole in 2004 (private communication).

BookPrices   *Price of textooks at a college bookstore*

Description

Price of textbooks at a college bookstore.

Usage

BookPrices

Format

A data frame with 44 observations on the following 3 variables.

Subject Biology Chemistry Computer Science Economics Educational Studies Geology Mathematics
    Physics Political Science Psychology SOAN

Area Classification of subject as either Math & Science or Social Sciences

Price Price in U.S.~dollars

Source

Data collected by R.~Hien and S.~Becker in 2010 (private communication).

Bushmeat   *Fish supply and demand for bushmeat in Ghana*

Description

Fish supply (kg) and demand for bushmeat in Ghana.

Usage

Bushmeat

Format

A data frame with 30 observations on the following 4 variables.

Fish Fish supply (in kg.) per capita

Biomass Biomass

Year Year

Change Percent change in biomass

Details

Biomass of large mammals was calculated for each year by multiplying the number of animals observed in 700 walking counts of 10 to 15 km each by species-specific body weights. The products of these calculations were then summed across all species.

Source

Brashares, Arces, Sam, Coppolillo, Sinclaire, Balmford, Bushmeat hunting, wildlife declines, and fish supply in West Africa, Science. 2004 Nov 12.

Cafeteria   *Cafeteria*

Description

Nutritional data on meals served in a college cafeteria.

Usage

```
Cafeteria
```

Format

A data frame with 41 observations on the following 9 variables.

ID a numeric vector

Type type of meal, `Meat` or `Vegetarian`

Calories number of calories

Carbohydrates number of carbohydrates

Fiber fiber content

Fat fat content

Cholesterol cholesterol

Protein protein

Sodium sodium

Source

Stephenson (private communication).

Cereals *Cereals*

Description

Nutritional data on a sample of cereals.

Usage

Cereals

Format

A data frame with 43 observations on the following 5 variables.

ID a numeric vector

Age target consumer, adult or children

Shelf location of cereal, bottom, middle, or top shelf

Sodiumgram sodium content in grams

Proteingram protein content in grams

Challenger *Challenger*

Description

Data on O-rings in 23 space shuttle flights prior to the Challenger shuttle disaster of January 1986.

Usage

Challenger

Format

A data frame with 23 observations on the following 3 variables.

Date Data of launch

Temperature Air temperature at launch (F)

Incident Binary variable, 1 if one of the 0-rings on one of the booster rockets was damaged, 0 otherwise

Source

https://archive.ics.uci.edu/ml/datasets/Challenger+USA+Space+Shuttle+O-Ring

References

Dala, S.~R., Fowlkes, E.~B., Hoadley, B (1989). Risk analysis of the space shuttle: pre-Challenger prediction of failure. J.~American Statistical Association, 84, 945-957.

ChiMarathonMen	*ChiMarathonMen*

Description

Times from a sample of men who completed the Chicago marathon in 2015.

Usage

```
data("ChiMarathonMen")
```

Format

A data frame with 80 observations on the following 4 variables.

name Name of competitor

Division Age group

Finish Finish time

FinishMin Time in minutes

Source

https://chicago-history.r.mikatiming.com/

Cuckoos	*Cuckoos*

Description

Female cuckoos lay their eggs on the ground and then move them to the nests of other birds. Latter gathered data on the lengths of the cuckoo eggs found in these foster nests.

Usage

```
data("Cuckoos")
```

Format

A data frame with 120 observations on the following 2 variables.

Eggs Lengths of eggs (mm) of cuckoos

Bird Species of birds: HedgeSparrow, MeadowPipit, PiedWagtail, Robin, TreePipit, Wren

Source

Tippett, L. H. C. (1952). The Methods of Statistics, 4th Edition. Wiley.

References

Latter, O. (1902). An enquiry into the dimensions of the Cuckoo's egg and the relation of the variations to the size of eggs of the foster-parent, with notes on coloration. Biometrika 1 (2): 164-176.

Diving2017	*Diving 2017*

Description

Scores of 12 female divers (10 m platform) in the 2017 FINA World Championships.

Usage

```
data("Diving2017")
```

Format

A data frame with 12 observations on the following 4 variables.

Name Name of competitor

Country Country

Semifinal Score in the semi-finals

Final Score in the finals.

Details

Competitors perform 5 dives in each round and the sum of these 5 dives determines who moves on to the next round.

Source

https://www.fina.org/competitions/213/17th-fina-world-championships-2017/results?disciplines=DV

Eyes   *Eyes*

Description

Measurements of eyes of 40 people.

Usage

```
data("Eyes")
```

Format

A data frame with 40 observations on the following 6 variables.

ID Subject ID

age Age of subject

hand Dominant hand of subject, left or right

eye Dominant eye of subject, left or right

leftPD Left pupillary distance (mm)

rightPD Right pupillary distance (mm)

Source

Westfield (private communication).

Fatalities   *Fatalities*

Description

A random sample of driver fatalities in 2009 in Pennsylvania.

Usage

```
Fatalities
```

Format

A data frame with 100 observations on the following 3 variables.

ID Subject ID

Alcohol Alcohol involved? 1 = yes, 0 = no

Age Age

Details

The drivers were driving a car, SUV, or light pickup truck (vehicles such as motor homes, convertibles, or commercial vehicles are excluded).

Source

http://www.nhtsa.gov/FARS

FishMercury   *Mercury content in a sample of fish in Minnesota*

Description

Mercury levels (ppm) in a sample of fish caught in Minnesota

Usage

```
FishMercury
```

Format

A data frame with 30 observations on the following variable.

`Mercury` Mercury level in ppm

Source

Minnesota pollution control agency.

FlightDelays   *Length of delays of airline flights*

Description

Length of delays for flights on American Airlines and United Airlines in 2009

Usage

```
data("FlightDelays")
```

Format

A data frame with 4029 observations on the following 10 variables.

ID Subject ID
Carrier Airline: American Airlines AA or United Airlines UA
FlightNo Flight number
Destination Destination: BNA, DEN, DFW, IAD, MIA, ORD, STL
DepartTime Departure time: 4-8am 4-8pm 8-Mid 8-Noon Noon-4pm
Day Day of week
Month Month: May or June
FlightLength Length of flight
Delay Delay time (in minutes)
Delayed30 Delayed more than 30 minutes? No or Yes

Details

All departures of AA or UA flights from LaGuardia Airport in May or June of 2009.

Source

https://www.bts.gov/topics/airlines-and-airports/quick-links-popular-air-carrier-statistics

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Girls2004   *Births of girls in Alaska or Wyoming*

Description

Data on births of a random sample of girls in Alaska or Wyoming in 2004.

Usage

```
data("Girls2004")
```

Format

A data frame with 80 observations on the following 6 variables.

ID Subject ID
State State: AK or WY
MothersAge Age of mother: 15-19, 20-24, 25-29, 30-34, 35-39, 40-44
Smoker Mother a smoker? No or Yes
Weight Weight of baby (grams)
Gestation Gestation time (weeks)

Source

http://wonder.cdc.gov/natality-current.html

Groceries *Groceries*

Description

Prices of a sample of grocery items at Target or Walmart.

Usage

Groceries

Format

A data frame with 30 observations on the following 4 variables.

Product Grocery item

Size Package size

Target Price at Target

Walmart Price at Walmart

GSS2018 *General Social Survey 2018*

Description

General Social Survey data from 2018

Usage

GSS2018

Format

A data frame with 2348 observations on the following 17 variables.

ID Subject ID

Region Midwest, Northeast, South, West

GenderNow Gender of subject: A gender not listed here, Man, Not applicable, Transgender, Woman

Age Age

Marital Marital status: Divorced, Married, Never married, Separated, Widowed

Degree Education: Bachelor Graduate, High school Junior college, Less than high school

Employed Employed? No or Yes

Income Income level

Polviews Political views:Conservative, Extremely liberal, Extremely conservative, Liberal, Moderate, Slightly conservative, Slightly liberal

Pres16 Voted for whom in presidential election of 2016? Clinton, Other, Trump

DeathPenalty Opinion on death penalty: Favor, Oppose

Courts How courts deal with criminals: About right, Dont know, Not harsh enough, Too harsh

Attend Attendance at religious services: Monthly, Never, Occasionally, Weekly

Postlife Believe in life after death? Dont know, No, Yes

Happy General happiness level: Not too happy, Pretty happy, Very happy

Satfin Satisfaction with financial situation: More or less, Not at all, Satisfied

Energy Government spending on developing alternative energy sources: About right, Dont know, Too little, Too much

Source

https://gss.norc.org

IceCream   *Ice Cream*

Description

Nutritional information on a sample of ice cream.

Usage

```
data("IceCream")
```

Format

A data frame with 39 observations on the following 7 variables.

Brand Brand of ice cream

VanillaCalories Calories in vanilla

VanillaFat Fat (gm) in vanilla ice cream

VanillaSugar Sugar (gm) in vanilla ice cream

ChocolateCalories Calories in chocolate ice cream

ChocolateFat Fat (gm) in chocolate ice cream

ChocolateSugar Sugar (gm) in chocolate ice cream

ILBoys   *Birth weight of boys born in Illinois*

Description

Birth weight of boys born in Illinois.

Usage

ILBoys

Format

A data frame with 241 observations on the following 2 variables.

MothersAge Age range of mother: 15-19, 20-24, 25-29

Weight Weight of baby (gm)

Details

Random sample of boys born to mothers in Illinois in 2004. Births are restricted to single births only and gestation lengths of at least 37 weeks.

Illiteracy   *Illiteracy*

Description

Data on female illiteracy in a sample of countries where illiteracy is more than 5%.

Usage

Illiteracy

Format

A data frame with 94 observations on the following 4 variables.

ID Country ID

Country Name of country

Illit Percentage of women over 15 years old who are illiterate (2003)

Births Number of births per woman in that country (2005)

Source

www.unesco.org, www.data.worldbank.org

Lottery   *Lottery*

Description

Winning lottery numbers for Fantasy 5 in California.

Usage

```
Lottery
```

Format

A data frame with 500 observations on the following variable.

Win Number

Details

In Fantasy 5, a lottery game in California, a player tries to match 5 numbers chosen from 1 through 39. This data are the winning numbers for the daily games from 5 May 2010 through 15 August 2010.

Source

http://www.calottery.com/play/draw-games/fantasy-5

MathAnxiety   *Math Anxiety*

Description

Data from a study on math anxiety in a sample of primary and secondary school students in Italy

Usage

```
MathAnxiety
```

Format

A data frame with 599 observations on the following 6 variables.

Age Age
Gender Gender: Boy, Girl
Grade Grade: Secondary, Primary
AMAS Score on Abbreviated Math Anxiety Scale
RCMAS Score on Revised Abbreviated Math Anxiety Scale
Arith Score on arithmetic test

Source

Hill, Mammarella, Devine, et al (2016). Maths anxiety in primary and secondary school students: gender differences, developmental changes and anxiety specificity. Learning and Individual Differences 48: 45-53

Maunaloa	*Carbon dioxide levels collected by Mauna Loa Observatory*

Description

Average CO_2 levels (ppm) for the month of May from 1990 to 2010.

Usage

    Maunaloa

Format

A data frame with 21 observations on the following 3 variables.

ID Subject ID

Year Year

Level Carbon dioxide level (ppm)

Source

https://www.esrl.noaa.gov/gmd/ccgg/trends

MnGroundwater	*Minnesota groundwater*

Description

Measurements on water quality in wells in Minnesota.

Usage

    MnGroundwater

Format

A data frame with 895 observations on the following 10 variables.

County Minnesota county

Aquifer.Group Type of aquifer: buried Quaternary, Cambrian, Cretaceous, Devonian, Ordovician, Precambrian, surficial Quaternary

Water.Level Water level

Alkalinity Alkalinity

Aluminum Aluminum

Arsenic Arsenic

Chloride Chloride

Lead lead

pH pH level

Basin.Name Basin name

Source

Minnesota Pollution Control Agency

MobileAds   *Mobile Ads*

Description

Google experiment on effectiveness of certain recommendations for bidding on ads.

Usage

MobileAds

Format

A data frame with 655 observations on the following 40 variables.

Campaign a numeric vector

m.impr_post a numeric vector

m.impr_pre a numeric vector

m.click_post a numeric vector

m.click_pre a numeric vector

m.cost_post a numeric vector

m.cost_pre a numeric vector

m.conv_post a numeric vector

m.conv_pre a numeric vector

m.value_post a numeric vector

m.value_pre a numeric vector

m.cpm_pre a numeric vector

m.cpm_post a numeric vector

m.cpc_pre a numeric vector

m.cpc_post a numeric vector

m.cpa_pre a numeric vector

m.cpa_post a numeric vector

m.cpr_pre a numeric vector

m.cpr_post a numeric vector

mult.change a numeric vector

d.impr_post a numeric vector

d.impr_pre a numeric vector

d.click_post a numeric vector

d.click_pre a numeric vector

d.cost_post a numeric vector

d.cost_pre a numeric vector

d.conv_post a numeric vector

d.conv_pre a numeric vector

d.value_post a numeric vector

d.value_pre a numeric vector

d.cpm_pre a numeric vector

d.cpm_post a numeric vector

d.cpc_pre a numeric vector

d.cpc_post a numeric vector

d.cpa_pre a numeric vector

d.cpa_post a numeric vector

d.cpr_pre a numeric vector

d.cpr_post a numeric vector

error.cpr_pre a numeric vector

error.cpr_post a numeric vector

Details

Subset of experimental data for one advertiser. See Chihara and Hesterberg textbook for more information.

Source

Ed Lee (Google)

References

Chihara and Hesterberg, Mathematical Statistics with Resampling and R (2022). Wiley.

Nasdaq   *Nasdaq stock data*

Description

Opening and closing stock prices for a random sample of 50 stock funds on NASDAQ on 1 December 2017.

Usage

Nasdaq

Format

A data frame with 50 observations on the following 4 variables.

Symbol Stock symbol

Open Opening price

Close Closing price

Volume Number of shares traded

Source

https://finance.yahoo.com

NBA1617   *NBA 2016-2017 season*

Description

Basketball statistics for a sample of NBA players from 4 teams for the 2016-2017 season.

Usage

data("NBA1617")

Format

A data frame with 68 observations on the following 13 variables.

Name Player name

Position Position: C (center), PF (power forward), PG (point guard), SF (small forward), SG (shooting guard)

Team Team: Brooklyn, Charlotte, Cleveland, San Antonio

Games Number of games played

Minutes Number of minutes plyaed

PercFG Field goal percentage

Perc3P 3-point field goal percentage

Perc2P 2-point field goal percentage

PercFT Free throw percentage

OffReb Offensive rebounds

DefReb Defensive rebounds

Assists Assists

Blocks Blocks

Details

Players in this data set played a minimum of 100 minutes during the 2016-2017 season.

Source

https://www.basketball-reference.com/

NCBirths2004   *Birth weights of babies born*

Description

Birth weights of babies born in North Carolina in 2004

Usage

NCBirths2004

Format

A data frame with 1009 observations on the following 7 variables.

ID Subject ID

MothersAge Mother's age level

Smoker Mother a smoker? codeNo, Yes

Alcohol Mother consumed alcohol during pregnancy? No, Yes

Gender Baby's gender

Weight Baby's weight (gm)

Gestation Gestation length (weeks)

Details

Babies in this random sample had a gestation period of at least 37 weeks and were single births (that is, not one of a twin or triplet).

Source

http://wonder.cdc.gov/natality-current.html

References

Chihara and Hesterberg, Mathematical Statistics with Resampling and R, 2022 (Wiley).

Olympics2012 *Olympics 2012*

Description

Data on a sample of athletes competing in the 2012 London Olympics.

Usage

Olympics2012

Format

A data frame with 42 observations on the following 7 variables.

Name Name of athlete

Country Country

Age Age

Sex Sex: F, M

Height Height (inches)

Weight weight (lb)

Sport Sport

Oscars   *Oscars*

Description

Age and gender of Academy Award winners

Usage

Oscars

Format

A data frame with 188 observations on the following 6 variables.

Year Year of award

Actor Name of actor

Movie Movie

Gender Gender: Man, Woman

Birthyear Birth year of actor

Age Age at time of award

Source

https://www.oscars.org/

Phillies2009   *Philadelphia Phillies data 2009*

Description

Baseball data for Philadelphia Phillies during the 2009 season.

Usage

Phillies2009

Format

A data frame with 162 observations on the following 8 variables.

Date Date of game

Location Game played where: Away, Home

Outcome Outcome of game: Lose, Win

Outcome2 Outcome recoded: 1=win, 0 = lose

Hits Number of hits

Doubles Number of doubles

Homeruns Number of homeruns

StrikeOuts Number of strikeouts

Source

https://www.baseball-reference.com/

Quakes   *Quakes*

Description

Time between earthquakes for all earthquakes of magnitude 6 or greater (1970-2009).

Usage

data("Quakes")

Format

A data frame with 805 observations on the following 2 variables.

ID Subject ID

TimeDiff Time (days)

Source

http://earthquakes.usgs.gov/earthquakes/eqarchives

Quetzal   *Quetzal*

Description

Heights of nests and snags for the quetzal (bird).

Usage

```
Quetzal
```

Format

A data frame with 21 observations on the following 3 variables.

Country Country: Costa Rica, Guatemala

Nest Height of nest (meters)

Snag Height of snag (meters)

Details

The quetzal typically nests in abandoned woodpecker nests in dead tree trunks (snags).

Source

Siegfried, D., Linville, D., Hille, D. (2010). Analysis of nest sites and the resplendent quetzal (pharomachrus mocinno): relationship between nest and snag heights. Wilson Journal of Ornithology 122: 608-11.

RangersTwins2016   *Rangers and Twins baseball players (2016 season)*

Description

Data on baseball players (excluding pitchers) who played for the Texas Rangers or Minnesota Twins.

Usage

```
data("RangersTwins2016")
```

Format

A data frame with 27 observations on the following 17 variables.

`Name` Name of player

`Team` Team: Rangers, Twins

`Pos` Player's position

`Age` Age in years

`Games` Number of games played

`AtBats` Number of at bats

`Runs` Runs

`Hits` Hits

`Doubles` Doubles

`Triples` Triples

`HR` Homeruns

`RBI` Runs batted in

`SB` Stolen bases

`CS` Caught stealing

`BB` Base on balls

`SO` Strike outs

`BA` Batting average

Details

Data on baseball players (excluding pitchers) who played for the Texas Rangers or Minnesota Twins. These players played at least 50 games. During the 2016 season, the Rangers had the best winning percentage (0.586) in the American League while the Twins had the worst (0.364)

Source

www.baseball-reference.com

Recidivism   *Recidivism*

Description

Recidivism data from Iowa.

Usage

Recidivism

Format

A data frame with 17022 observations on the following 7 variables.

Gender Gender: F, M

Age Age group: 25-34, 35-44, 45-54, 55 and Older, Under 25

Age25 Over or Under 25 years of age? Over 25, Under 25

Offense Type of offense: Felony Misdemeanor

Recid Recidivated? No, Yes

Type Reason: New (new crime), No Recidivism (did not recidivate), Tech (technical violation, such as a parole violation)

Days Number of days to recidivism; NA if no recidivism

Details

All offenders convicted of either a misdemeanor or felony who were released from an Iowa prison during the 2010 fiscal year ending in June.

Source

https://data.iowa.gov/Public-Safety/3-Year-Recidivism-for-Offenders-Released-from-Pris/mw8r-vqy4

Salaries *Salaries of baseball players*

Description

Salaries of a random sample of baseball players from 1985 and 2015.

Usage

Salaries

Format

A data frame with 70 observations on the following 3 variables.

League League: American National

Salary Salary (in millions) in 2015 dollars

Year Year: 1985 or 2015

Service   *Service times at a college snack bar.*

Description

Time to be served at a college snack bar.

Usage

Service

Format

A data frame with 174 observations on the following 2 variables.

ID Subject ID

Times Time in minutes

Source

Haynor, Lojovich, Syed (private communication, 2010).

Skateboard   *Skateboard experiment*

Description

Measurement of testosterone levels in males in a skateboard experiment.

Usage

Skateboard

Format

A data frame with 71 observations on the following 3 variables.

Age Age in years

Experimenter Treatment (gender of experimenter): Female, Male

Testosterone Testosterone level

Details

Results from an experiment where male skateboarders performed tricks in front of either a female or male.

Source

Ronay and Hippel (2010). The presence of an attractive woman elevates testosterone and physical risk taking in young men. Social Psychological and Personality Science 1:57-64.

Skating2010	*Figure skating scores for men from the 2010 Winter Olympics.*

Description

Short and free skate scores for male figure skaters in the 2010 Winter Olympics (Vancouver).

Usage

```
Skating2010
```

Format

A data frame with 24 observations on the following 5 variables.

Country Country of skater

Name Name

Short Short program score

Free Free skate score

Total Total

Source

https://skatingscores.com/0910/oly/

Spruce	*Spruce data*

Description

Measurements from an experiment on the growth of black spruce seedlings.

Usage

```
Spruce
```

Format

A data frame with 72 observations on the following 9 variables.

Tree Subject ID
Competition Treatment: C (competition), NC (no competition)
Fertilizer Treatment: F (fertilizer), NF (no fertilizer)
Height0 Height of seedling at start
Height5 Height of seedling after 5 years
Diameter0 Diameter of seedling at start
Diameter5 Diameter of seedling after 5 years
Ht.change Change in height
Di.change Change in diameter

Details

Experiment on growth of black spruce seedlings under treatments of fertilizer-no fertilizer, competition-no competition (weeding).

Source

Camill, Chihara, Adams, et al (2010). Early life history transitions and recruitment of Picea mariana in thawed boreal permafrost peatlands. Ecology 2:448-459.

Starcraft   *Starcraft*

Description

Number of wins by a sample of Korean players in Starcraft, a strategy video game.

Usage

Starcraft

Format

A data frame with 45 observations on the following 4 variables.

ID Subject ID
Race Chosen race of player: Protoss, Terran, Zerg
Age Age of player
Wins Number of wins

Source

Evans, private communication. http://www.teamliquid.net/tipd/players

---

Titanic   *Titanic*

Description

Subset of Titanic data

Usage

```
Titanic
```

Format

A data frame with 658 observations on the following 3 variables.

ID Subject ID

Survived Survival status: 1 = survived, 0 = died

Age Age of passenger

Details

Subset of passenger data on the Titanic.

Source

https://data.world/nrippner/titanic-disaster-dataset

Turbine   *Turbine*

Description

Average daily wind speeds (2010) from Carleton College turbine.

Usage

```
data("Turbine")
```

Format

A data frame with 168 observations on the following 4 variables.

Date2010 Date

AveKW Average kilowatts

AveSpeed Average speed (m/s)

Production Energy output (kilowatt hours)

Source

Carleton College, Northfield MN.

References

Chihara and Hesterberg (2022). Mathematical Statistics with Resampling and R. (Wiley)

TV *TV commercial lengths*

Description

Lengths of television commercials on basic and extended cable TV channel.s

Usage

```
data("TV")
```

Format

A data frame with 20 observations on the following 3 variables.

`ID` Subject ID

`Times` Time (min)

`Cable` Cable: `Basic`, `Extended`

Details

Lengths of TV commercials during any given half-hour time period.

Source

Rodgers, Robinson (private communication).

TXBirths2004 *Texas birth weights*

Description

Weights of babies born in Texas in 2004.

Usage

```
TXBirths2004
```

Format

A data frame with 1587 observations on the following 8 variables.

ID Subject ID

MothersAge Mother's age: 15-19, 20-24, 25-29, 30-34, 35-39, 40-44, under 15

Smoker Mother smokes? No, Yes

Gender Gender of baby: Female, Male

Weight Weight of baby (g)

Gestation Gestation length (weeks)

Number Baby a single birth (1), twin (2), etc.

Multiple Part of multiple birth (eg twin, triple)?: No, Yes

Details

Random sample of babies born in Texas in 2004.

Source

http://wonder.cdc.gov/natality-current.html

Verizon *Verizon repair times*

Description

Repair times by Verizon for its customers or customers of other telephone companies.

Usage

```
Verizon
```

Format

A data frame with 1687 observations on the following 2 variables.

`Time` Repair time (h)

`Group` Customer: `CLEC` (competing local exchange carrier), `ILEC` (incumbent local exchange carrier)

Details

Verizon is responsible for providing repair service to both its customers (ILEC) and its competitors (ILEC).

References

Chihara and Hesterberg (2022). Mathematical Statistics with Resamplng and R (Wiley).

`Volleyball2009` *Volleyball data*

Description

Data on a sample of Division I women volleyball teams.

Usage

`Volleyball2009`

Format

A data frame with 30 observations on the following 4 variables.

`Team` Team

`HitPercent` Hitting percentage

`Assts` Assists

`Kills` Kills

Source

http://www.ncaa.org/championships/statistics/womens-volleyball-statistics

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Walleye	*Walleye*

Description

Lengths and weights of a sample of walleye caught in Minnesota lakes (1990's).

Usage

```
Walleye
```

Format

A data frame with 60 observations on the following 2 variables.

Length Length (inches)

Weight Weight (pounds)

Source

Monson, Minnesota Pollution Control Agency (private communication)

Watertable	*Watertable*

Description

Relationship between the depth of the watertable and survival status of black spruce seedings.

Usage

```
Watertable
```

Format

A data frame with 360 observations on the following 2 variables.

Depth Depth of watertable (cm)

Alive Status of seedling: 1 = alive, 0 = dead

Details

Part of the data from an experiment to study factors associated with the growth of black spruce seedlings under various treatments. Status of seedling at the end of the second year of the experiment is noted here.

Source

Camill, Chihara, Adams, et al (2010). Early life history transitions and recruitment of Picae mariana in thawed boreal permafrost peatlands. Ecology 2:448-459.

References

Chihara and Hesterberg (2022). Mathematical Statistics with Resampling and R (Wiley).

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