Package ‘IIS’

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Description These datasets and functions accompany Wolfe and Schneider (2017) - Intuitive Introductory Statistics (ISBN: 978-3-319-56070-0) <http://www.springer.com/us/book/9783319560700>. They are used in the examples throughout the text and in the end-of-chapter exercises. The datasets are meant to cover a broad range of topics in order to appeal to the diverse set of interests and backgrounds typically present in an introductory Statistics class.
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Description

This package contains the R datasets and functions referenced in the text and exercises of Wolfe and Schneider - Intuitive Introductory Statistics (2017).

Author(s)

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References

Wolfe and Schneider - Intuitive Introductory Statistics (2017)

agricultural_chargeoff_rates_by_quarter

Agricultural Chargeoff Rates by Quarter

Description

This data set contains twenty-five years (1991 through 2015) of quarterly charge-off rates for agricultural loans as reported by the Federal Reserve. This is the full dataset corresponding to the selected rows displayed in Table 2.5 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage

agricultural_chargeoff_rates_by_quarter

Format

A data.frame with 100 rows and 3 columns indicating the chargeoff rates for agricultural loans for each quarter.

Source

https://www.federalreserve.gov/releases/chargeoff/chgallnsa.htm

Examples

data(agricultural_chargeoff_rates_by_quarter)
summary(agricultural_chargeoff_rates_by_quarter)
**airline_arrivals**  
*Airline Arrivals*

**Description**

This data set contains on-time arrival records for U.S. flight carriers in for all four quarters of the year 2015, the month of December 2015, and the entire year 2015. This data is displayed in Table 2.9 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

`airline_arrivals`

**Format**

A `data.frame` with 13 rows and 13 columns indicating the percentages and ranks for each airline.

**Source**

U.S. Department of Transportation (2016)

**Examples**

```r
data(airline_arrivals)
summary(airline_arrivals)
```

---

**american_league_salary_2014**  
*American League Salary 2014*

**Description**

This data set contains the 2014 salaries (as of March 26, 2014) for all baseball players in the American League.

**Usage**

`american_league_salary_2014`

**Format**

A `data.frame` with 447 rows and 3 columns corresponding to the name, salary, and team for each player.

**Source**

Petchesky (2014)
**arion_subfuscus**

**Examples**

```r
data(american_league_salary_2014)
summary(american_league_salary_2014)
```

**Description**

This data set contains the Acceptability Indices (AI) for Arion Subfuscus from woodland and waste sites with the toxic woodland plant Allium Ursinum (wild garlic) as test gel as reported by Whelan (1982). This data is displayed in Table 9.3 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

```r
arion_subfuscus
```

**Format**

A `data.frame` with 10 rows and 2 columns indicating the AI for the woodland and waste sites.

**Source**

Whelan (1982)

**Examples**

```r
data(arion_subfuscus)
summary(arion_subfuscus)
```

**average_HDL_levels**

**Average HDL Levels**

**Description**

This data set contains the averages of two HDL measurements taken 24 hours apart for each of twelve women who participated in Kerr (1983). This data is displayed in Table 7.1 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

```r
average_HDL_levels
```

**Format**

A `vector` with 12 observations corresponding to the average HDL measurements for each woman.
Source

Kerr (1983)

Examples

data(average_HDL_levels)
summary(average_HDL_levels)

beer_head  Beer Head

Description

This data set contains the height of the initial head formation upon pouring, the percentage adhesion of the head, and the percentage collapse of the head 4 min after pouring for 20 bottles selected from two different production lots of beer as reported by Ault et al. (1967).

Usage

beer_head

Format

A list containing 2 data.frames (one for each of the two production lots). Each data.frame has 20 rows and 3 columns corresponding to the attributes for each bottle.

Source

Ault et al. (1967)

Examples

data(beer_head)
summary(beer_head)
**body_temperature_and_heart_rate**

*Body Temperature and Heart Rate*

**Description**

This data set contains body temperature values artificially generated by Shoemaker (1996), to closely recreate the original data obtained by Mackowiak et al. (1992) for 65 male and 65 female subjects.

**Usage**

`body_temperature_and_heart_rate`

**Format**

A data frame with 130 rows and 3 columns corresponding to the body temperature, gender (1 for male, 2 for female), and heart rate for each subject.

**Source**

Shoemaker (1996)

**Examples**

```r
data(body_temperature_and_heart_rate)
summary(body_temperature_and_heart_rate)
```

---

**chargeoff_rates**

*Chargeoff Rates*

**Description**

This data set contains twenty-five years (1991 through 2015) of quarterly charge-off rates for eight different types of loans as reported by the Federal Reserve. This data is displayed in Table 2.4 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

`chargeoff_rates`

**Format**

A data frame with 100 rows and 9 columns indicating the chargeoff rates for each of the eight loan types for each quarter.
**delinquency_rates**

**Source**

https://www.federalreserve.gov/releases/chargeoff/chgallnsa.htm

**Examples**

```r
data(delinquency_rates)
summary(delinquency_rates)
```

---

**college_rankings_2012**  
*College Rankings 2012*

**Description**

This data set contains a subset of the College Scorecard Data reported by the U.S. Department of Education.

**Usage**

```r
college_rankings_2012
```

**Format**

A `data.frame` with 7793 rows and 9 columns indicating various scorecard metrics for each school.

**Source**

United States Department of Education (2016)

**Examples**

```r
data(college_rankings_2012)
summary(college_rankings_2012)
```

---

**delinquency_rates**  
*Delinquency Rates*

**Description**

This data set contains twenty-five years (1991 through 2015) of quarterly delinquency rates for eight different types of loans as reported by the Federal Reserve.

**Usage**

```r
delinquency_rates
```
desimipramine

Format
A data.frame with 100 rows and 9 columns indicating the delinquency rates for each of the eight loan types for each quarter.

Source
https://www.federalreserve.gov/releases/chargeoff/delallnsa.htm

Examples
```r
data(delinquency_rates)
summary(delinquency_rates)
```

---

desimipramine   Desimipramine

Description
This data set contains the body weight of 12 subjects with anorexia nervosa before and after treatment with the medication desimipramine as reported by Brambilla et al. (1985). This data is displayed in Table 8.3 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage
desimipramine

Format
A data.frame with 12 rows and 2 columns indicating the pre-treatment and post-treatment weights (in kg) of each subject.

Source
Brambilla et al. (1985)

Examples
```r
data(desimipramine)
summary(desimipramine)
```
**Description**

This data set contains weight in carats, color purity, grade of clarity, certification body, and value in Singapore dollars for 308 round diamond stones from an advertisement in the February 18, 2000 edition of Singapore’s Business Times as discussed in Chu (2001).

**Usage**

diamonds_carats_color_cost

**Format**

A data.frame with 308 rows and 5 columns indicating the attributes of each diamond.

**Source**

Chu (2001)

**Examples**

```r
data(diamonds_carats_color_cost)
summary(diamonds_carats_color_cost)
```

---

**Description**

This data set contains annual emissions data (in million metric tons of carbon dioxide equivalents) for four common air pollutants from 1990 to 2014 in the United States. This data is displayed in Table 2.3 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

emissions

**Format**

A data.frame with 25 rows and 5 columns indicating the amount of the four pollutants for each year.
**Source**

U.S. Environmental Protection Agency (2016)

**Examples**

```r
data(emissions)
summary(emissions)
```

---

**Description**

This data set contains the total engineering drawing hours contributing to the cost of pieces of machinery/mechanical devices for a large Ohio-based company that is displayed in Table 1.3 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

```r
engineering_drawing_hours
```

**Format**

A vector with 96 observations corresponding to the hours for each piece of machinery/mechanical device.

**Source**

Ohio-based company

**Examples**

```r
data(engineering_drawing_hours)
summary(engineering_drawing_hours)
```
female_amerindians  Female Amerindians

Description
This data set contains the stature of 20 female Amerindians from the Turner site in Cincinnati, Ohio, representing the Ohio Hopewell period (200-400 AD) studied by Sciulli and Carlisle (1975). This data is displayed in Table 7.8 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage
female_amerindians

Format
A vector with 20 observations corresponding to the stature (in centimeters) for each female Amerindian.

Source
Sciulli and Carlisle (1975)

Examples

data(female_amerindians)
summary(female_amerindians)

FindTriples  Find "triples" of vector elements.

Description
FindTriples returns the number of left triples, right triples, and triples that are neither left nor right for the given vector.

Usage
FindTriples(z)

Arguments

z  Numeric vector
Details

Triples are formed by taking any three data values from a vector and order this triple of data values from smallest to largest. If the middle ordered item is closer to the smallest than to the largest, the triple is said to be a right triple. If the middle ordered item is closer to the largest, the triple is said to be a left triple. If the middle ordered value is exactly halfway between the other two, the triple is neither right nor left. This function will do the necessary computations and return the number of each type of triple.

Examples

FindTriples(1:10)
FindTriples(rnorm(20))

## Not run:
FindTriples("a")
## End(Not run)

Description

This data set contains data on the fasting metabolic rate (FMR) of white-tailed deer for different two-month periods of the year. This data is displayed in Table 12.9 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage

fmr_white_tailed_deer

Format

A list with 3 vectors, each containing FMR (kcal/kg/day) for the deer observed in the corresponding time period.

Source

Silver et al. (1969)

Examples

data(fmr_white_tailed_deer)
summary(fmr_white_tailed_deer)
**gender_roles**  
*Gender Roles*

**Description**

This data set contains counts of gender 7685 individuals for which gender could be identified into the seven role categories. This data was used by Vigorito and Curry (1998) to investigate whether there is any relationship between gender and the roles that individuals play in magazine ad illustrations. This data is displayed in Table 10.12 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

gender_roles

**Format**

A data.frame with 7 rows and 2 columns indicating the counts for each gender and role category.

**Source**

Vigorito and Curry (1998)

**Examples**

```r
data(gender_roles)
summary(gender_roles)
```

---

**goggled_green_turtles**  
*Goggled Green Turtles*

**Description**

This data set contains the number of times that 36 turtle hatchlings split into two groups ‘circled’, in an attempt to determine whether light had an effect on the orientation and sea-finding ability of such hatchlings as reported by Mrosovsky and Shettleworth (1974). This data is displayed in Table 9.6 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

goggled_green_turtles

**Format**

A data.frame with 18 rows and 2 columns indicating the number of circles in a two-minute period for the nasal field goggles and for the harlequin goggles.
Source

Mrosovsky and Shettleworth (1974)

Examples

```r
data(goggled_green_turtles)
summary(goggled_green_turtles)
```

---

**health_care_by_affiliation**

*Health Care by Affiliation*

Description

This data set contains counts of respondents’ preferences between two statements about healthcare grouped by political party from the report "Generation to Generation: American Values about Taking Care of Each Other" (1998). This data is displayed in Table 10.20 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage

```r
health_care_by_affiliation
```

Format

A `data.frame` with 2 rows and 2 columns indicating the counts for each statement and each party.

Source


Examples

```r
data(health_care_by_affiliation)
summary(health_care_by_affiliation)
```
house_prices

Description
This data set contains the information about house prices for a random sample of 100 properties in Wake County, North Carolina, as collected by Woodard and Leone (2008).

Usage
```
homes_prices
```

Format
A `data.frame` with 100 rows and 6 columns indicating the attributes of each house.

Source
Woodard and Leone (2008)

Examples
```
data(homes_prices)
summary(homes_prices)
```

house_lot_sizes

Description
This data set contains the information about house and lot sizes for a random sample of 100 properties in Wake County, North Carolina, as collected by Woodard and Leone (2008).

Usage
```
house_lot_sizes
```

Format
A `data.frame` with 100 rows and 8 columns indicating the attributes of each house.

Source
Woodard and Leone (2008)

Examples
```
data(house_lot_sizes)
summary(house_lot_sizes)
```
**infant_walking**  

**Infant Walking**

**Description**

This data set contains the ages at which 12 infants were reported to have started walking by their mothers. The infants were randomly split into "exercise" and "no-exercise" groups as part of the study conducted by Zelazo et al. (1972). This data is displayed in Table 9.8 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

`infant_walking`

**Format**

A data frame with 6 rows and 2 columns indicating the age (in months) at which infants first walked for the exercise and no-exercise groups.

**Source**

Zelazo et al. (1972)

**Examples**

```r
data(infant_walking)
summary(infant_walking)
```

---

**interstitial_lengths**  

**Interstitial Lengths**

**Description**

This data set contains the averages (mm) of interstitial lengths (distances between midpoints) of ten pairs of secondary branches for each of twelve blue spruce and twelve white pine trees. This data is displayed in Table 1.24 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

`interstitial_lengths`

**Format**

A data frame with 12 rows and 2 columns corresponding to 12 observations each of blue spruce and white pine trees.
Source

Kayle (1984)

Examples

data(interstitial_lengths)
summary(interstitial_lengths)

Description

This data set contains race statistics for the Kentucky Derby for each year from 1990 to 2012. This data is displayed in Table 2.7 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage

kentucky_derby_2012

Format

A data.frame with 23 rows and 6 columns indicating various statistics for each year.

Source

https://www.kentuckyderby.ag

Examples

data(kentucky_derby_2012)
summary(kentucky_derby_2012)

Description

This data set contains the load at failure for 18 cadaveric menisci repaired by one of three techniques: the FasT-Fix Meniscal Repair Suture System (FasT-Fix), the use of biodegradable Meniscus Arrows (MA), and the Vertical Mattress Sutures (VMS) approach. This data is displayed in Table 12.1 of Wolfe and Schneider - Intuitive Introductory Statistics.
**Usage**

`meniscal_repairs_load_at_failure`

**Format**

A list with 3 vectors, each containing the load (in Newtons) at failure of the 6 menisci assigned to the corresponding group.

**Source**

Borden et al. (2003)

**Examples**

```r
data(meniscal_repairs_load_at_failure)
summary(meniscal_repairs_load_at_failure)
```

---

**Description**

This data set contains the percentages of mothers in the United States who smoked during pregnancies from 2010 to 2014 for various age categories. This data is displayed in Table 2.14 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

`mother_smoking_age`

**Format**

A `data.frame` with 45 rows and 4 columns indicating the age group, number of births, and percentage of smoking mothers for each year.

**Source**

Centers for Disease Control and Prevention (CDC) "WONDER Online Database" (2016)

**Examples**

```r
data(mother_smoking_age)
summary(mother_smoking_age)
```
mother_smoking_education

Mother Smoking Education

Description
This data set contains the percentages of mothers in the United States from 2010 to 2014 who smoked during pregnancy for various categories of educational level. A subset of this data is displayed in Table 2.13 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage
mother_smoking_education

Format
A data.frame with 40 rows and 4 columns indicating the education, births, and percentage of smoking mothers for each year.

Source
Centers for Disease Control and Prevention (CDC) "WONDER Online Database" (2016)

Examples
data(mother_smoking_education)
summary(mother_smoking_education)

mother_smoking_education_1989_1993

Mother Smoking Education 1989-1993

Description
This data set contains the percentages of mothers in the United States from 1989 to 1993 who smoked during pregnancy for various categories of educational level. This data is displayed in Table 2.15 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage
mother_smoking_education_1989_1993

Format
A data.frame with 25 rows and 3 columns indicating the education and percentage of smoking mothers for each year.
**mother_smoking_education_2010**

**Source**

Centers for Disease Control and Prevention, National Center for Health Statistics (1995)

**Examples**

```r
data(mother_smoking_education_1989_1993)
summary(mother_smoking_education_1989_1993)
```

**mother_smoking_education_2010**

*Mother Smoking Education 2010*

**Description**

This data set contains the percentages of mothers in the United States in 2010 who smoked during pregnancy for various categories of educational level. This is a subset of the mother_smoking_education dataset.

**Usage**

```r
mother_smoking_education_2010
```

**Format**

A `data.frame` with 8 rows and 2 columns indicating the percentage of smoking mothers for each educational level in the year 2010.

**Source**

Centers for Disease Control and Prevention (CDC) "WONDER Online Database" (2016)

**Examples**

```r
data(mother_smoking_education_2010)
summary(mother_smoking_education_2010)
```
motor_vehicle_death_rate_2012

*Motor Vehicle Death Rate 2012*

**Description**

This data set contains the total motor-vehicle fatalities per 100 million vehicle miles traveled in the 2012 calendar year that is displayed in Table 1.16 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

`motor_vehicle_death_rate_2012`

**Format**

A `data.frame` with 50 rows and 3 columns corresponding to the name, fatality rate, and region for each state.

**Source**


**Examples**

```r
data(motor_vehicle_death_rate_2012)
summary(motor_vehicle_death_rate_2012)
```

---

movie_facts

*Movie Facts*

**Description**

This data set contains a random sample of 100 movies from the 1996 edition of The Movie and Video Guide prepared annually by Leonard Maltin as selected by Moore (2006).

**Usage**

`movie_facts`

**Format**

A `data.frame` with 100 rows and 6 columns corresponding to the title, release year, length (minutes), number of cast members, rating, and number of lines of description for each movie.
Source

Moore (2006)

Examples

data(movie_facts)
summary(movie_facts)

data(nationalLeagueSalary2014)
summary(nationalLeagueSalary2014)

Description

This data set contains the 2014 salaries (as of March 26, 2014) for all baseball players in the National League.

Usage

nationalLeagueSalary2014

Format

A data frame with 437 rows and 3 columns corresponding to the name, salary, and team for each player.

Source

Petchesky (2014)

Examples

data(nationalLeagueSalary2014)
summary(nationalLeagueSalary2014)
**nba_2015_2016  NBA 2015-2016**

**Description**
This data set contains NBA teams’ performance in the 2015-2016 season as provided by the NBA's official website.

**Usage**
```
nba_2015_2016
```

**Format**
A data frame with 30 rows and 19 columns indicating various performance statistics for each team.

**Source**

**Examples**
```
data(nba_2015_2016)
summary(nba_2015_2016)
```

**osu_math_salaries_2015  OSU Math Salaries 2015**

**Description**
This data set contains 2015 salaries of faculty and staff in the Mathematics Department at The Ohio State University. This data is displayed in Table 3.1 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**
```
osu_math_salaries_2015
```

**Format**
A vector with 226 observations corresponding to each reported salary.

**Source**
Cleveland.com (2016)
pennies_age

Examples

   data(osu_math_salaries_2015)
   summary(osu_math_salaries_2015)

---

pennies_age  Pennies’ Age

Description

This data set contains the ages (based on minting dates) of 374 United States pennies collected by an introductory class of 25 students.

Usage

   pennies_age

Format

   A vector with 374 observations corresponding to the ages of the pennies.

Source

   Classroom Experiment

Examples

   data(pennies_age)
   summary(pennies_age)

---

percentage_hatched_eggs  Percentage Hatched Eggs

Description

This data set contains the percentages of eggs that eventually hatched for dump (communal) nests and normal nests each year from 1966 through 1974 as reported by Clawson et al. (1979). This data is displayed in Table 8.1 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage

   percentage_hatched_eggs

Format

   A data.frame with 9 rows and 2 columns indicating the percentage of hatched eggs for the two nest types for each year.
pew_science_survey_data_by_age_group

Source
Clawson et al. (1979)

Examples

data(percentage_hatched_eggs)
summary(percentage_hatched_eggs)

description

This data set contains the percentages of people who answered "yes" to various questions about scientific topics in a survey conducted by the Pew Research Center grouped by age group. This data is displayed in Table 2.18 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage

pew_science_survey_data_by_age_group

Format

A data frame with 5 rows and 4 columns indicating the proportion of respondents answering "yes" to each of the four questions indicated in Exercise 2.3.4. of Wolfe and Schneider - Intuitive Introductory Statistics by age group.

Source


Examples

data(pew_science_survey_data_by_age_group)
summary(pew_science_survey_data_by_age_group)
pew_science_survey_data_by_party

Pew Science Survey Data By Party

Description

This data set contains the percentages of people who answered "yes" to various questions about scientific topics in a survey conducted by the Pew Research Center grouped by political affiliation. This data is displayed in Table 2.17 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage

pew_science_survey_data_by_party

Format

A data.frame with 3 rows and 4 columns indicating the proportion of respondents answering "yes" to each of the four questions indicated in Exercise 2.3.4. of Wolfe and Schneider - Intuitive Introductory Statistics by party.

Source


Examples

data(pew_science_survey_data_by_party)
summary(pew_science_survey_data_by_party)

pines_1997

Pines 1997

Description

This data set contains a subset of the data collected by biology students at Kenyon College to determine which factors cause pines in the Kenyon Center for Environmental Study to vary in growth rates. A description of the dataset is displayed in Table 2.2 and Example 3.4 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage

pines_1997

Format

A data.frame with 1000 rows and 5 columns corresponding to variables described in Table 2.2 of Intuitive Introductory Statistics for each tree.
Source
Kenyon Center for Environmental Study (1997)

Examples
`data(pines_1997)`
`summary(pines_1997)`

---

**pmn_migration**

*PMN Migration*

Description
This data set contains the polymorphonuclear leukocytes (PMN) migration in the sera of the 8 patients with acute pancreatitis measured by Perez et al. (1983). This data is displayed in Table 7.4 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage
`pmn_migration`

Format
A vector with 8 observations corresponding to the PMN migration for each patient.

Source
Perez et al. (1983)

Examples
`data(pmn_migration)`
`summary(pmn_migration)`

---

**population_estimates_2015**

*Population Estimates 2015*

Description
This data set contains population estimates, birth rates (per 1000 population), and net migration (per 1000 population) for each year 2011 through 2015 at the state level as reported by the U.S. Census Bureau.

Usage
`population_estimates_2015`
presidential_election_polls

Format

A data.frame with 50 rows and 17 columns indicating each metric over the four years for each state.

Source

United States Census Bureau (2016)

Examples

data(population_estimates_2015)
summary(population_estimates_2015)

presidential_election_polls

Description

This data set contains the results of the final pre-election Gallup Voter Opinion Poll and the eventual election results for every presidential election from 1936 through 2012.

Usage

presidential_election_polls

Format

A data.frame with 46 rows and 5 columns corresponding to the year, name, final polling estimate, actual election results, and deviation between polling and actual results for each candidate.

Source

Gallup (2015)

Examples

data(presidential_election_polls)
summary(presidential_election_polls)
proportion_for_profit_hospitals

Proportion For-Profit Hospitals

Description
This data set contains data on the proportion of a state’s hospitals that are for-profit for a subset of states from each of four regions of the country. This data is displayed in Table 12.5 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage
proportion_for_profit_hospitals

Format
A data.frame with 20 rows and 3 columns indicating the region and proportion of for-profit hospitals for each state.

Source
American Hospital Association (2012)

Examples
data(proportion_for_profit_hospitals)
summary(proportion_for_profit_hospitals)

q2_q4_agricultural_chargeoff_rates

Q2/Q4 Agricultural Chargeoff Rates

Description
This data set contains twenty-five years (1991 through 2015) of Q2 and Q4 charge-off rates for agricultural loans as reported by the Federal Reserve. This is a subset of the agricultural_chargeoff_rates_by_quarter dataset.

Usage
q2_q4_agricultural_chargeoff_rates

Format
A data.frame with 50 rows and 3 columns indicating the chargeoff rates for agricultural loans for each quarter.
**Source**

https://www.federalreserve.gov/releases/chargeoff/chgallnsa.htm

**Examples**

```r
data(q2_q4_agricultural_chargeoff_rates)
summary(q2_q4_agricultural_chargeoff_rates)
```

---

**reading_habits_2011   Reading Habits 2011**

**Description**

This data set contains data from the 2011 Pew Research Center report titled "The Rise of E-reading" intended to investigate how reading and e-reading habits vary by demographic and socio-economic categories. A subset of this data is displayed in Table 3.4 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

```r
reading_habits_2011
```

**Format**

A data.frame with 2986 rows and 7 columns indicating various pieces of demographic information and reading habits for each study participant.

**Source**

Pew Internet & American Life Project: The rise of e-reading (2016)

**Examples**

```r
data(reading_habits_2011)
summary(reading_habits_2011)
```
### school_report_cards_2014

*School Report Cards 2014*

**Description**

This data set contains 2014 school performance data, or "School Quality Snapshots", for high schools in New York City. A subset of this data is displayed in Table 3.2 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

`school_report_cards_2014`

**Format**

A `data.frame` with 484 rows and 8 columns indicating various performance statistics for each high school.

**Source**

New York City Department of Education (2016)

**Examples**

```r
data(school_report_cards_2014)
summary(school_report_cards_2014)
```

---

### sheep_weight

*Sheep Weight*

**Description**

This data set contains the mother’s mating weight and her lamb offspring’s weight at age 7 months for a subset of twenty ewe-lamb pairs from the Research Farm at Ataturk University, Erzurum, Turkey. This data is displayed in Table 11.6 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

`sheep_weight`

**Format**

A `data.frame` with 20 rows and 2 columns indicating the weight (in kg) for the mother and the lamb of each pair.
Source

Ozturk et al. (2005)

Examples

data(sheep_weight)
summary(sheep_weight)

<table>
<thead>
<tr>
<th>state_cdi</th>
<th>State CDI</th>
</tr>
</thead>
</table>

Description

This data set contains a sample of "chronic disease indicators", as reported by the CDC's Division of Population Health, for the four states California, Michigan, Ohio, and West Virginia. This data is displayed in Table 2.16 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage

state_cdi

Format

A data.frame with 16 rows and 3 columns indicating the indicator and the percentage of the population having such an indicator for each state.

Source

Centers for Disease Control and Prevention (2016)

Examples

data(state_cdi)
summary(state_cdi)
state_poverty_levels_2013

*State Poverty Levels 2013*

**Description**

This data set contains the number of individuals in each state whose annual income was below the established poverty level in 2013 at a state-by-state level. This data is displayed in Table 1.4 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

state_poverty_levels_2013

**Format**

A `data.frame` with 50 rows and 3 columns corresponding to the name, total population, and number of people at or below the poverty line in each state.

**Source**


**Examples**

```r
data(state_poverty_levels_2013)
summary(state_poverty_levels_2013)
```

tiaa_cref

*TIAA CREF*

**Description**

This data set contains the historical unit values from January 2, 2015 to March 15, 2016 for seven TIAA and CREF variable annuities. This is the full dataset corresponding to the selected rows displayed in Table 2.6 of Wolfe and Schneider - Intuitive Introductory Statistics.

**Usage**

tiaa_cref

**Format**

A `data.frame` with 302 rows and 8 columns indicating the unit values for each of the seven annuities for each day.
traffic_accidents

Source

https://www.tiaa-cref.org

Examples

data(tiaa_cref)
summary(tiaa_cref)

traffic_accidents Traffic Accident Data

Description

This data set contains traffic accident data from 1949 and 1985 that is displayed in Table 1.2 of Wolfe and Schneider - Intuitive Introductory Statistics.

Usage

traffic_accidents

Format

A data.frame with 9 rows and 2 columns. The rows correspond to various types of accidents and the two columns correspond to the years 1945 and 1985, respectively.

Source

National Safety Council (1996)

Examples

data(traffic_accidents)
summary(traffic_accidents)

weekly_salaries Weekly Salaries

Description

This data set contains the median weekly earnings of male and female employees in service occupations, sales and office occupations, and construction and extraction occupations for each quarter from 2005 to 2015. This data is displayed in Table 2.1 of Wolfe and Schneider - Intuitive Introductory Statistics.
weight_of_Euros

Usage

weekly_salaries

Format

A *data.frame* with 44 rows and 6 columns corresponding to male and female earnings for each of the three occupation types for each quarter.

Source


Examples

data(weekly_salaries)
summary(weekly_salaries)

<table>
<thead>
<tr>
<th>weight_of_Euros</th>
<th>Weight of Euros</th>
</tr>
</thead>
</table>

Description

This data set contains the weight of 2000 coins from 8 separate packages of 250 Euros each as weighed and reported by Shkedy et al. (2006).

Usage

weight_of_Euros

Format

A *data.frame* with 2000 rows and 3 columns corresponding to the ID, weight, and batch/package number for each coin.

Source

Shkedy et al. (2006)

Examples

data(weight_of_Euros)
summary(weight_of_Euros)
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