Package 'frequency'

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Type Package

Title Easy Frequency Tables

Version 0.4.0

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Description Generate 'SPSS'/'SAS' styled frequency tables. Frequency tables are generated with variable and value label attributes where applicable with optional html output to quickly examine datasets.

Depends R (>= 3.0), rmarkdown, knitr, DT, ggplot2

Imports gtools, utils

Suggests foreign, haven, testthat, covr, shiny

SystemRequirements pandoc (>= 1.12.3) - http://pandoc.org

License GPL-3

LazyData TRUE

RoxygenNote 7.1.0

URL https://github.com/wilcoxa/frequency

BugReports https://github.com/wilcoxa/frequency/issues

NeedsCompilation no

Repository CRAN

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R topics documented:

big5 *Big 5 Personality Factors Survey Data*

Description

Answers to the Big Five Personality Test, constructed with items from the International Personality Item Pool.

Usage

```
data(big5)
```

Format

A dataframe

Source

Open psychology data: Raw data from online personality tests

Examples

```
data(big5)
```

freq *Freq*

Description

This function generates frequency tables

Usage

```
freq(
  x,
  file = NULL,
  weight = NULL,
  maxrow = 30,
  type = "html",
  template = NULL
)
```

Arguments

x	Input data. Can be a dataframe, list or vector.
file	File name. Optional file name to save the output.
weight	Weight variable name. (Note: this is a placeholder and not currently implemented)
maxrow	Maximum number of rows to display in each frequency table.
type	Output type. Either html or doc.
template	Word template. Optional doc template to use if producing doc output.

Value

A frequency table in html or doc format.

Examples

```
# Suppress external output for examples
options(frequency_render = FALSE)

# Create frequency tables for the entire dataset
freq(big5)

# For specific variable/s
freq(big5[5:6])
freq(big5$country)

# Produce a list of tables
out <- freq(big5[8:10])
out[1]

options(frequency_render = TRUE)
## Not run:
# To automatically open html output in your browser use the following option:
options(frequency_open_output = TRUE)
freq(big5[, c('gender', 'E1')])

# To save the output specify the filename and format
freq(big5, file = "mydir/myfile.html")

# Supports label attributes from the package foreign package
library(foreign)
dat <- read.spss(myfile)
freq(dat)
# (Note: foreign may drop attributes when using to.data.frame = TRUE)
df <- read.spss(myfile, to.data.frame = TRUE)
freq(df)

# Also supports label attributes from the haven package
library(haven)
dat <- read_sav(myfile)
```

```
freq(dat)

# as well as other data with no label attributes
dat <- data.frame(id = 1:3, val = letters[1:3])
freq(dat)


## End(Not run)
```

`print.freq_table` *Print frequency tables*

Description

S3 method for class 'freq_table'

Usage

```
## S3 method for class 'freq_table'
print(x, ...)
```

Arguments

`x`	object of class `freq.table`
`...`	optional arguments to `data.frame`

Examples

```
# Suppress external output for examples
options(frequency_render = FALSE)

x <- freq(big5[1])
print(x)
print(x[[1]])
```

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