Package 'Conigrave'

March 13, 2017

Type Package

Title Flexible Tools for Multiple Imputation

Version 0.1.1

Date 2017-03-05

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Description Provides a set of tools that can be used across 'data.frame' and 'imputationList' objects.

License GPL-3

LazyData TRUE

Imports ggplot2 (>= 2.1.0), mitools (>= 2.3), miceadds (>= 1.8-0)

RoxygenNote 6.0.1

NeedsCompilation no

Repository CRAN

Date/Publication 2017-03-13 06:52:54

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`correlatrix` *Correlatrix*

Description

Takes in a data.frame or imputationList, a vector of variable names and produces a correlation matrix

Usage

```
correlatrix(data, var.names, triangle = "both", round = 3,
  method = "pearson", n.matrix = F, abbreviate = 100)
```

Arguments

data	an object of class 'data.frame' or 'imputationList'
var.names	a vector of variable names
triangle	a string containing one of "lower" "upper" or "both". Indicates if correlations are to be displayed above or below the diagonal. "Both" is selected by default.
round	a numeral indicating number of decimals
method	a string containing one of "pearson","spearman" or "kendall"
n.matrix	logical. If TRUE, matrix of n returned
abbreviate	a number indicating the maximum length of variable names

Value

A correlation matrix

Examples

```
carsdata<-mtcars
correlatrix(carsdata,names(carsdata)[1:6],round = 2)
correlatrix(carsdata,c("mpg","cyl","disp"))
```

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int.plot *Interaction plot*

Description

Calculates a standardized two way or three way interaction and plots using ggplot2

Usage

```
int.plot(data, outcome, predictor, moderator, y.lim = c(-1, 1),
  x.lim = c(-1, 1), x.lab = "auto", y.lab = "auto", title = "auto",
  title.size = 15, SDs = 1, legend.name = "auto", colour = "ghostwhite",
  show.points = FALSE, save = F, path = "default")
```

Arguments

data	an object of class 'data.frame' or 'imputationList'
outcome	a string with the name of the outcome variable
predictor	a string with the name of the predictor variable
moderator	a vector of the names of up to two moderating variables
y.lim	vector of numerals indicating y axis bounds
x.lim	vector of numerals indicating x axis bounds
x.lab	a string with the label of the x axis
y.lab	a string with the label of the y axis
title	a string containing title text
title.size	a numeral containing the font size of the title
SDs	a numeral indicating the standard deviations of the moderators
legend.name	a character string indicating the title of the legend
colour	a character string containing the colour of the data points
show.points	logical to determine whether or not to include points
save	logical as to whether or not to save the plot
path	string containing path of where to save plot

Value

An interaction plot

Examples

```
carsdata<-mtcars
int.plot(carsdata,"mpg","disp","cyl", y.lim = c(-2.5,2.5))
int.plot(carsdata,"mpg","disp", c("cyl","am"), y.lim = c(-5.0,2.0))
```

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