Package 'simputation'

July 21, 2016

Maintainer Mark van der Loo <mark.vanderloo@gmail.com>

License GPL-3

Title Simple Imputation

LazyData no

Type Package

LazyLoad yes

Description
Easy to use interfaces to a number of imputation methods that fit in the not-a-pipe operator of the 'magrittr' package.

Version 0.0.0.1

Imports stats, MASS

URL https://github.com/markvanderloo/simputation

BugReports https://github.com/markvanderloo/simputation/issues

Date 2016-07-21

Suggests testthat

RoxygenNote 5.0.1

R topics documented:

impute_ 2
simputation 3

Index **4**

`impute_` *Impute missing data*

Description

Use to fit and impute missing data.

Usage

```
impute_lm(data, x, ...)

impute_rlm(data, x, ...)

impute_const(data, x, ...)

impute_median(data, x, ...)

impute_proxy(data, x, ...)
```

Arguments

`data`	The data
`x`	a `formula` object.
`...`	further arguments passed to `lm` or `rlm`

Details

Model specification works as usual, except that it is possible to impute multiple variables based on the same model. To specify the same model for multiple variables, simply add variables to the left-hand side of the formula using +. Also see the examples.

If a value cannot be imputed because one of its predictors is missing, the value will remain missing after imputation.

References

Linear models are fit with the `stats::lm` function. Robust linear models are fit with `MASS::rlm`.

Examples

```
data(iris)
```

simputation *simputation*

Description

simputation

Index

formula, *2*

impute_, 2
impute_const *(*impute_*)*, 2
impute_lm *(*impute_*)*, 2
impute_median *(*impute_*)*, 2
impute_proxy *(*impute_*)*, 2
impute_rlm *(*impute_*)*, 2

lm, *2*

rlm, *2*

simputation, 3
simputation-package *(*simputation*)*, 3