Package 'StudyDataTools'

August 26, 2020

Type Package

Title X

Version 1.0

Date 2020-02-12

Author D. Bonnery

Maintainer D. Bonnery <dbonnery@umd.edu>

Description Data

Depends ggplot2

License GPL (>= 2)

LazyLoad yes

LazyData true

RoxygenNote 7.0.2

R topics documented:

`automaticdatafConnect` *get data about a file on the server.*

Description

get data about a file on the server.

Usage

```
automaticdatafConnect(
  tablename,
  folder = getwd(),
  schema = NULL,
  dicoT = NULL,
  splitvar = NULL,
  Connect = NULL,
  Connectf = NULL,
  alwaysexclude = NULL
)
```

Value

a list

---

automaticRmd *Creates RMD files for all datasets in a specific folder.*

Description

Creates RMD files for all datasets in a specific folder.

Usage

```
automaticRmd(
  tablename,
  folder = getwd(),
  schema = NULL,
 specialprogram = lefichier(file.path(folder, paste0("study_", schema, "_", tablename,
    "_special.R"))),
 specialreport = lefichier(file.path(folder, paste0("study_", schema, "_", tablename,
    "_special.Rmd"))),
 specialdatafile = lefichier(file.path(folder, paste0("study_", schema, "_", tablename,
    "_special.rda"))),
 automaticdatafile = file.path(folder, paste0("study_", schema, "_", tablename,
    "_automatic.rda")),
 replace = TRUE,
 rerunspecial = FALSE,
 dicoT = NULL,
 splitvar = NULL,
 alwaysexclude = NULL,
 dico = function() {     NULL },
 author = ""
)
```

Examples

```
tablename="cars"
automaticRmd(tablename)
```

---

ggplot_missing *Create missing chart*

Description

Create missing chart

Usage

```
ggplot_missing(x, reordonne = FALSE)
```

Arguments

x	a dataframe
reordonne	a boolean

Value

a ggplot graph

Examples

```
library(reshape2)
library(ggplot2)
library(plyr)
library(magrittr)
X=cars
for(i in 1:40){
  X[sample(1:50,1,replace=TRUE),sample(1:2,1,replace=TRUE)]<-NA}
ggplot_missing(X,reordonne=TRUE)
ggplot_missing(X,reordonne=FALSE)
```

ggplot_missing2 *Create missing chart*

Description

Create missing chart

Usage

```
ggplot_missing2(X, reordonne = TRUE, keep = NULL)
```

Arguments

X	a dataframe
reordonne	a boolean
keep	a boolean

Value

a ggplot graph

Examples

```
library(reshape2)
library(ggplot2)
library(plyr)
X=cars
reordonne=TRUE
keep="year"
X$year=sample(2012:2017,nrow(cars),replace=TRUE)
for(i in 1:40){
 X[sample(1:50,1,replace=TRUE),sample(1:2,1,replace=TRUE)]<-NA}
ggplot_missing2(X,keep="year")
```

missing.summary *Percentage of missing for each variable*

Description

Percentage of missing for each variable

Usage

```
missing.summary(X, info2 = NULL)
```

Arguments

X	a data frame
info2	a data frame with two variables named c("COLUMN_NAME","CONSTRAINT_TYPE")

Details

Percentage of missing for each variable of a data frame.

Value

a data frame

Examples

```
X=cars
for(i in 1:40){
  X[sample(1:50,1,replace=TRUE),sample(1:2,1,replace=TRUE)]<-NA}
missing.summary(X)
```

---

var.summary *Summary for each variable in table.*

Description

Summary for each variable in table.

Usage

```
var.summary(.data)
```

Arguments

.data	a data frame

Value

a list

Examples

```
data(cars)
var.summary(cars)
```

Index