

# Package ‘StudyDataTools’

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**Type** Package

**Title** X

**Version** 1.0

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**Description** Data

**Depends** ggplot2

**License** GPL (>= 2)

**LazyLoad** yes

**LazyData** true

**RoxygenNote** 7.0.2

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

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## 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

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automaticRmd

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

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**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)
```

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ggplot_missing	Create missing chart
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**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)
```

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ggplot_missing2	Create missing chart
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**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")
```

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missing.summary	Percentage of missing for each variable
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**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)
```

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var.summary	<i>Summary for each variable in table.</i>
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**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)
```

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