Package 'Rz'

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Type Package

Title GUI Tool for Data Management like SPSS or Stata

Version 0.9-1

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Description R is very powerful but it lacks some of the functionalities found in
Stata or SPSS to manage survey data. The 'memisc' package provides these
(variable labels, value labels, definable missing values and so on), but to
efficiently work these functions need a graphical interface to allow the user
to get an overview of the data. This package provides such a graphical interface,
similar in fashion to SPSS's Variable View and data managing system. It uses the
'memisc' package as its backend. Additionally, 'Rz' has a powerful plot assistant
interface based on 'ggplot2'.

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URL http://m884.jp/Rz.html

Depends R (>= 2.14), methods, grid, foreign, memisc, psych, ggplot2
(>= 0.9.2)

Suggests quantreg, Hmisc, cairoDevice, vcd

Imports RGtk2 (>= 2.20), formatR

NeedsCompilation no

Repository CRAN

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R topics documented:

| Rz-package | *GUI Tool for Data Management like SPSS or Stata* |

Description

R is very powerfull but not enough for social science becouse of lack in some functionality for managing survey data SPSS or Stata provides. Memisc package supplements those, variable labels, value labels, definable missing values and so on, but to efficiently work these functions need graphical interface to overlook data. This package provides such graphical interface similar to SPSS's Variable View and data managing system using memisc package as backend. Additionally, Rz has powerful plot assistant interface based on ggplot2.

Details

Simply excute Rz() to start.

See Also

[RzThemeEditor](#)

| crossTable | *Cross Tabulation* |

Description

Output well-formatted cross tabulation. Also can genarate latex syntax of cross tabulation.

Usage

```
crossTable(..., deparse.level = 2)
## S3 method for class 'CrossTable'
summary(object, digits=3, latex=FALSE, ...)
```

Arguments

deparse.level	passed to [table](#)
...	passed to [table](#)
object	crossTable object
digits	integer, used for number formatting
latex	logical, generate latex syntax if TRUE

Value

crossTable returns a object which belongs to CrossTable class and table class.

Author(s)

Masahiro Hayashi

Examples

```
sex    <- factor(rbinom(1:1000, 1, 0.5), labels=c("male" , "female"))
age    <- factor(rbinom(1:1000, 2, 0.4), labels=c("young", "middle", "old"))
weight <- factor(rbinom(1:1000, 2, 0.6), labels=c("light", "middle", "heavy"))

cross.table1 <- crossTable(sex, age)
summary(cross.table1)

cross.table2 <- crossTable(sex, age, weight)
summary(cross.table2)

summary(cross.table2, latex = TRUE)
```

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rzAddData   *Add data.set to Rz*

Description

Add data.set to Rz

Usage

```
rzAddData(data.set, name = NULL)
```

Arguments

data.set   data.set or data.frame to be added.

name   data.set.name

Details

Add data.set to Rz

Author(s)

Masahiro Hayashi

See Also

[rzReloadData](), [rzAddItem]()

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rzAddItem   *Add a variable to a dataset*

Description

Add a variable to a dataset

Usage

```
rzAddItem(item, name = as.character(substitute(item)),
          data.set.name = NULL, description = name,
          measurement = c("auto", "nominal", "ordinal", "interval", "ratio"),
          overwrite = FALSE, ask = FALSE)
```

Arguments

item	an `item` object or a variable such as factor or numeric.
name	character: the variable name.
data.set.name	character: a name of a dataset in Rz. NULL means the current dataset.
description	character: the variable label.
measurement	character: measurement of the variable.
overwrite	logical: if TRUE will overwrite an existing variable.
ask	logical: confirm execution if TRUE.

Author(s)

Masahiro Hayashi

See Also

[rzAddData](#), [rzReloadData](#)

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rzReloadData   *Reload data.set from globalenv*

Description

Reload data.set from globalenv

Usage

```
rzReloadData(data.set.name = NULL, ask = TRUE)
```

Arguments

data.set.name	character: dataset's name to be reloaded. If NULL, current dataset is reloaded.
ask	logical: confirm execution if TRUE

Details

Reload data.set from globalenv

Author(s)

Masahiro Hayashi

See Also

[rzAddData](), [rzAddItem]()

RzThemeEditor *Theme Editor for ggplot2*

Description

Theme Editor for ggplot2

Usage

```
RzThemeEditor(new = FALSE, ...)
```

Arguments

new	logical: rebuild UI
...	currently no use

Details

Start RzThemeEditor.

Author(s)

Masahiro Hayashi

See Also

[Rz]()

Index