Package ‘Rz’
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Type Package
Title GUI Tool for Data Management like SPSS or Stata
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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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R topics documented:

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**Rz-package**

*GUI Tool for Data Management like SPSS or Stata*

**Description**

R is very powerful but not enough for social science because 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 generate latex syntax of cross tabulation.

**Usage**

crosstable(..., deparse.level = 2)

```r
## 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.
rzAddData

Author(s)

Masahiro Hayashi

Examples

```r
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)
```

rzAddData | Add data.set to Rz

Description

Add data.set to Rz

Usage

```r
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
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

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`

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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

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