

Package ‘RcmdrPlugin.KMggplot2’

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Type Package

Title R Commander Plug-in for Data Visualization with 'ggplot2'

Version 0.2-7

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(>= 5.0.0), plyr (>= 1.8.4), RColorBrewer (>= 1.1-3), scales
(>= 1.3.0), survival (>= 3.4-0.1), tcltk2 (>= 1.2-11)

Suggests extrafont, knitr, rmarkdown

Description A GUI front-end for 'ggplot2' supports Kaplan-Meier plot, histogram, Q-Q plot, box plot, errorbar plot, scatter plot, line chart, pie chart, bar chart, contour plot, and distribution plot.

License GPL-2

Collate 'RcmdrPlugin.KMggplot2-package.r' 'geom-stepribbon.r'
'guiparts-aaa.r' 'guiparts-checkboxes.r'
'guiparts-radioboxes.r' 'guiparts-textfield.r'
'guiparts-textfields.r' 'guiparts-toolbox.r'
'guiparts-variableboxes.r' 'data-aaa.r' 'plot-aaa.r'
'plot-factorise.r' 'plot-gcont.r' 'plot-gbox.r'
'plot-gdiscbar.r' 'plot-gdist.r' 'plot-gkm.r' 'plot-ghist.r'
'plot-gline.r' 'plot-gpie.r' 'plot-gqq.r' 'plot-gscat.r'
'plot-gscatmat.r' 'theme-natrisk.r' 'theme-natrisk21.r'
'theme-natriskbg.r' 'theme-simple.r' 'theme-wsj2.r'
'util-gettextKmg2.r' 'util-ggsaveKmg2.r' 'util-lastcom.r'
'util-nonFactors.r' 'zzz.r'

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RcmdrPlugin.KMggplot2-package

R Commander Plug-in for Data Visualization with 'ggplot2'

Description

A GUI front-end for 'ggplot2' supports Kaplan-Meier plot, histogram, Q-Q plot, box plot, errorbar plot, scatter plot, line chart, pie chart, bar chart, contour plot, and distribution plot.

Author(s)

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See Also

[Rcmdr](#), [ggplot2](#), [survfit](#), [RColorBrewer](#) [ggthemes](#) [scales](#)

back, gparts_base-method

The back Method for gparts_base Class

Description

back method places GUI grids for R-Commander windows.

Usage

```
## S4 method for signature 'gparts_base'
back(perline = 3)
```

Arguments

perline Integer; controls the number of per-line to GUI grids.

See Also

Other guiparts: [checkboxes-class](#), [front](#), [checkboxes-method](#), [front](#), [radioboxes-method](#), [front](#), [textfield-method](#), [front](#), [textfields-method](#), [front](#), [toolbox-method](#), [front](#), [variableboxes-method](#), [gparts_base-class](#), [radioboxes-class](#), [textfield-class](#), [textfields-class](#), [toolbox-class](#), [variableboxes-class](#)

| | |
|------------------|-----------------------------|
| checkboxes-class | <i>Check Boxes Subclass</i> |
|------------------|-----------------------------|

Description

checkboxes class is a subclass for GUI check box frame.

Details

This class is a subclass which make GUI check box frame.

Fields

frame: tkwin class object; parent of widget window.

length: Integer; number of grids.

back_list: List of tkwin class object; list of grids.

value: List of TclVar class object; values of the check box frame.

cbcheckboxes: tkwin class object; the check box frame.

Contains

gparts_base

Methods

back(perline = 3): back method for gparts_base class.

front(top, initValues, labels, title = "", right.buttons = FALSE): front method for checkboxes subclass.

See Also

Other guiparts: [back](#), [gparts_base-method](#), [front](#), [checkboxes-method](#), [front](#), [radioboxes-method](#), [front](#), [textfield-method](#), [front](#), [textfields-method](#), [front](#), [toolbox-method](#), [front](#), [variableboxes-method](#), [gparts_base-class](#), [radioboxes-class](#), [textfield-class](#), [textfields-class](#), [toolbox-class](#), [variableboxes-class](#)

checkError,plot_base-method
Check Errors

Description

checkError method checks errors.

Usage

```
## S4 method for signature 'plot_base'
checkError(parms)
```

Arguments

parms List of objects; graphics settings parameters.

Value

errorCode Boolean; the error code.

See Also

Other plot: [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmList,plot_base-method](#), [removeRmList,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

checkTheme,plot_base-method
Check Themes

Description

checkTheme method checks a theme index.

Usage

```
## S4 method for signature 'plot_base'
checkTheme(index)
```

Arguments

index Character; a theme index.

Value

theme Character; the theme name.

See Also

Other plot: [checkError,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmList,plot_base-method](#), [removeRmList,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

checkVariable,plot_base-method

Check Variable Length

Description

checkVariable method checks a variable length.

Usage

```
## S4 method for signature 'plot_base'
checkVariable(var)
```

Arguments

var Vector of Character; variable names.

Value

var Character; the fixed variable name.

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#)

[getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmlist,plot_base-method](#), [removeRmlist,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

`commandDoIt`, `plot_base-method`

An Wrapper Function for Command Execution

Description

`commandDoIt` method gets the plot error message.

Usage

```
## S4 method for signature 'plot_base'
commandDoIt(command, log)
```

Arguments

| | |
|----------------------|------------------------|
| <code>command</code> | String; command codes. |
| <code>log</code> | Boolean; use logger. |

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmlist,plot_base-method](#), [removeRmlist,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

`dataContour`

A Dummy Data for Contour Plots

Description

A Dummy Data for Contour Plots

Format

A data frame with 10000 observations on the following 3 variables.

x a x-axis variable

y a y-axis variable

z density

See Also

contour-class

Examples

```
# This data is generated by the code below:
# set.seed(5435678)
# dataContour <- data.frame(
#   x = (zx <- (rep(1:100, 100) - 5) / 2),
#   y = (zy <- (rep(1:100, each=100) - 5) / 2),
#   z = (z <- zx*zy)
# )
# save(dataContour, file = "dataContour.RData")
# try(data(dataContour, package = "RcmdrPlugin.KMggplot2"))
```

dataKm

A Dummy Data for Survival Analysis

Description

A Dummy Data for Survival Analysis

Format

A data frame with 200 observations on the following 8 variables.

time time from entry (months)

age age

height height

weight weight

event event variable (0: censor, 1: event)

trt treatment group (has three groups "Group-A", "Group-B", and "Group-C")

marker a biomarker level (has two groups "High", and "Low")

sex sex

See Also

km-class

Examples

```
# This data is generated by the code below:
# set.seed(5435678)
# age <- round(rnorm(200, 65, 10))
# height <- rep(c(170, 160), each = 50) + rnorm(200, 0, 6)
# weight <- rep(c(50, 45.5), each = 50) + 0.91 * (height - 152.4) + rnorm(200, 0, 7)
# event <- sample(c(0, 1), 200, rep = TRUE, prob = c(0.1, 0.9))
# trt <- factor(sample(c("Group-A", "Group-B", "Group-C"), 200, rep = TRUE))
# marker <- factor(sample(c("High", "Low"), 200, rep = TRUE, prob = c(0.3, 0.7)))
# sex <- factor(rep(c("M", "F"), each = 50))
# mu <- 10 + 0.1 * (age - 65) + as.numeric(sex) + as.numeric(marker) + 5 * (as.numeric(trt) - 2)
# time <- rgamma(200, mu, 1)
# time[time >= 20] <- 20
# event[time == 20] <- 0
# dataKm <- data.frame(time, age, height, weight, event, trt, marker, sex)
# save(dataKm, file = "dataKm.RData")
# try(data(dataKm, package = "RcmdrPlugin.KMggplot2"))
```

dataLine

A Dummy Data for Line Charts

Description

A Dummy Data for Line Charts

Format

A data frame with 144 observations on the following 5 variables.

date date

group a measurement group (has three groups "T", "H", and "L")

marker a biomarker level (has two groups "High", and "Low")

sex sex

y a measurement variable

See Also

line-class

Examples

```
# This data is generated by the code below:
# set.seed(5435678)
# date <- rep(seq(Sys.Date(), len = 12, by = "1 month"), each = 12)
# group <- rep(c("T", "H", "L"), 12, each = 4)
# marker <- factor(rep(c("High", "Low"), 36, each = 2))
# sex <- factor(rep(c("M", "F"), 72))
# mu <- rep(c(200, 50, 150), 12, each = 4) + 10 * as.numeric(sex) + 30 * as.numeric(marker)
```

```
# y <- rnorm(144, mu, 25)
# dataLine <- data.frame(date, group, marker, sex, y)
# save(dataLine, file = "dataLine.RData")
# try(data(dataLine, package = "RcmdrPlugin.KMggplot2"))
```

| | |
|-----------------|---------------------------|
| factorize-class | <i>Factorize Subclass</i> |
|-----------------|---------------------------|

Description

factorize class is a subclass for factorizing numeric variables.

Details

This class is a subclass which show dialog boxes of a factorizer for graphics editing.

Fields

top: tkwin class object; parent of widget window.
 alternateFrame: tkwin class object; a special frame for some GUI parts.
 vbox1: variableboxes class object; the frame to select variables.
 rbbox1: radioboxes class object; the frame to set options.

Contains

NULL

Methods

plotWindow(): Create the window that make plots.
 savePlot(plot): Save the plot.
 registerMlist(object): Register deletable temporary objects.
 removeMlist(): Remove registered temporary objects.
 setFront(): Set front parts of frames.
 setBack(): Set back parts of frames.
 getWindowTitle(): Get the title of the window.
 getHelp(): Get the title of the help document.
 getParms(): Get graphics settings parameters.
 checkTheme(index): Check themes.
 checkVariable(var): Check a variable length.
 checkError(parms): Check errors.
 setDataframe(parms): Set data frames.
 getGgplot(parms): Get ggplot.

[getGeom\(parms\)](#): Get geom.
[getScale\(parms\)](#): Get scale.
[getCoord\(parms\)](#): Get coord.
[getFacet\(parms\)](#): Get facet.
[getXlab\(parms\)](#): Get xlab.
[getYlab\(parms\)](#): Get ylab.
[getZlab\(parms\)](#): Get zlab.
[getMain\(parms\)](#): Get the main label.
[getTheme\(parms\)](#): Get theme.
[getOpts\(parms\)](#): Get other opts.
[getPlot\(parms\)](#): Get the plot object.
[getMessage\(\)](#): Get the plot error message.
[commandDoIt\(command\)](#): An wrapper function for command execution.

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [gbox-class](#), [gcont-class](#), [gdisbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmList,plot_base-method](#), [removeRmList,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

front,checkboxes-method

The front Method for checkboxes Subclass

Description

The front Method for checkboxes Subclass

Usage

```
## S4 method for signature 'checkboxes'
front(top, initValues, labels, title = "", right.buttons = FALSE)
```

Arguments

| | |
|---------------|--|
| top | tkwin class object; top of widget window. |
| initValues | List of integer; initialization values of check boxes. |
| labels | List of character; values of check boxes labels. |
| title | Character; the title of the check box frame. |
| right.buttons | Boolean; whether check boxes are right aligned or not. |

See Also

Other guiparts: [back,gparts_base-method](#), [checkboxes-class](#), [front,radioboxes-method](#), [front,textfield-method](#), [front,textfields-method](#), [front,toolbox-method](#), [front,variableboxes-method](#), [gparts_base-class](#), [radioboxes-class](#), [textfield-class](#), [textfields-class](#), [toolbox-class](#), [variableboxes-class](#)

front,radioboxes-method

The front Method for radioboxes Subclass

Description

The front Method for radioboxes Subclass

Usage

```
## S4 method for signature 'radioboxes'
front(top, labels, title = "", initValue = 1, right.buttons = FALSE)
```

Arguments

| | |
|---------------|---|
| top | tkwin class object; top of widget window. |
| labels | List of character; values of radio boxes labels. |
| title | Character; the title of the radio box frame. |
| initValue | Integer; the initialization value of the radio box frame. |
| right.buttons | Boolean; whether radio boxes are right aligned or not. |

See Also

Other guiparts: [back,gparts_base-method](#), [checkboxes-class](#), [front,checkboxes-method](#), [front,textfield-method](#), [front,textfields-method](#), [front,toolbox-method](#), [front,variableboxes-method](#), [gparts_base-class](#), [radioboxes-class](#), [textfield-class](#), [textfields-class](#), [toolbox-class](#), [variableboxes-class](#)

front, textfield-method

The front Method for textfield Subclass

Description

The front Method for textfield Subclass

Usage

```
## S4 method for signature 'textfield'  
front(top, initialValue, boxwidth, title)
```

Arguments

| | |
|--------------|---|
| top | tkwin class object; top of widget window. |
| initialValue | Character; initialization values of the text field frame. |
| boxwidth | Integer; the size of the text field frame. |
| title | Character; the title of the text field frame. |

See Also

Other guiparts: [back,gparts_base-method](#), [checkboxes-class](#), [front,checkboxes-method](#), [front,radioboxes-method](#), [front,textfields-method](#), [front,toolbox-method](#), [front,variableboxes-method](#), [gparts_base-class](#), [radioboxes-class](#), [textfield-class](#), [textfields-class](#), [toolbox-class](#), [variableboxes-class](#)

front, textfields-method

The front Method for textfields Subclass

Description

The front Method for textfields Subclass

Usage

```
## S4 method for signature 'textfields'  
front(top, initValues, titles, boxwidth = "20")
```

Arguments

| | |
|------------|--|
| top | tkwin class object; top of widget window. |
| initValues | List of character; initialization values of text fields. |
| titles | List of character; titles of text fields. |
| boxwidth | Character; size of text fields. |

See Also

Other guiparts: [back,gparts_base-method](#), [checkboxes-class](#), [front,checkboxes-method](#), [front,radioboxes-method](#), [front,textfield-method](#), [front,toolbox-method](#), [front,variableboxes-method](#), [gparts_base-class](#), [radioboxes-class](#), [textfield-class](#), [textfields-class](#), [toolbox-class](#), [variableboxes-class](#)

front, toolbox-method *The front Method for toolbox Subclass*

Description

The front Method for toolbox Subclass

Usage

```
## S4 method for signature 'toolbox'
front(top,
      showcolourbox = TRUE,
      fontSize = unlist(options("kmg2FontSize")),
      fontFamily = unlist(options("kmg2FontFamily")),
      colourSet = unlist(options("kmg2ColourSet")),
      saveGraph = unlist(options("kmg2SaveGraph")),
      themeBase = unlist(options("kmg2Theme")))
)
```

Arguments

| | |
|---------------|---|
| top | tkwin class object; top of widget window. |
| showcolourbox | Boolean; whether the colour set frame is shown or not. |
| fontSize | Character; the initialization value of the font size. |
| fontFamily | Numeric; the initialization value of the font family. |
| colourSet | Numeric; the initialization value of the colour set. |
| saveGraph | Numeric; the initialization value of the save graph option. |
| themeBase | Numeric; the initialization value of the theme. |

See Also

Other guiparts: [back,gparts_base-method](#), [checkboxes-class](#), [front,checkboxes-method](#), [front,radioboxes-method](#), [front,textfield-method](#), [front,textfields-method](#), [front,variableboxes-method](#), [gparts_base-class](#), [radioboxes-class](#), [textfield-class](#), [textfields-class](#), [toolbox-class](#), [variableboxes-class](#)

front,variableboxes-method

The front Method for variableboxes Subclass

Description

The front Method for variableboxes Subclass

Usage

```
## S4 method for signature 'variableboxes'  
front(top, types, titles, modes = "default")
```

Arguments

| | |
|--------|--|
| top | tkwin class object; top of widget window. |
| types | List of character; types of variableLists. |
| titles | List of character; titles of variable box frame. |
| modes | List of character; select modes. |

See Also

Other guiparts: [back,gparts_base-method](#), [checkboxes-class](#), [front,checkboxes-method](#), [front,radioboxes-method](#), [front,textfield-method](#), [front,textfields-method](#), [front,toolbox-method](#), [gparts_base-class](#), [radioboxes-class](#), [textfield-class](#), [textfields-class](#), [toolbox-class](#), [variableboxes-class](#)

gbox-class

Box Plot Subclass

Description

gbox class is a subclass for box plots.

Details

This class is a subclass which show dialog boxes of box plots for graphics editing.

Fields

top: tkwin class object; parent of widget window.
alternateFrame: tkwin class object; a special frame for some GUI parts.
vbbox1: variableboxes class object; the frame to select variables.
vbbox2: variableboxes class object; the frame to select facet variables.
lbbox1: textfields class object; the frame to set axis labels and the main title.
rbbox1: radioboxes class object; the frame to set the plot type.
cbbox1: checkboxes class object; the frame to set options.
tbbox1: toolbox class object; the frame to set the font, the colour set, other option, and the theme.

Contains

NULL

Methods

plotWindow(): Create the window that make plots.
savePlot(plot): Save the plot.
registRmList(object): Register deletable temporary objects.
removeRmList(): Remove registered temporary objects.
setFront(): Set front parts of frames.
setBack(): Set back parts of frames.
getWindowTitle(): Get the title of the window.
getHelp(): Get the title of the help document.
getParms(): Get graphics settings parameters.
checkTheme(index): Check themes.
checkVariable(var): Check a variable length.
checkError(parms): Check errors.
setDataframe(parms): Set data frames.
getGgplot(parms): Get ggplot.
getGeom(parms): Get geom.
getScale(parms): Get scale.
getCoord(parms): Get coord.
getFacet(parms): Get facet.
getXlab(parms): Get xlab.
getYlab(parms): Get ylab.
getZlab(parms): Get zlab.
getMain(parms): Get the main label.
getTheme(parms): Get theme.
getOpts(parms): Get other opts.
getPlot(parms): Get the plot object.
getMessage(): Get the plot error message.
commandDoIt(command): An wrapper function for command execution.

See Also

Other plot: [checkError](#), [plot_base-method](#), [checkTheme](#), [plot_base-method](#), [checkVariable](#), [plot_base-method](#), [commandDoIt](#), [plot_base-method](#), [factorize-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord](#), [plot_base-method](#), [getFacet](#), [plot_base-method](#), [getGeom](#), [plot_base-method](#), [getGgplot](#), [plot_base-method](#), [getHelp](#), [plot_base-method](#), [getMain](#), [plot_base-method](#), [getMessage](#), [plot_base-method](#), [getOpts](#), [plot_base-method](#), [getParms](#), [plot_base-method](#), [getPlot](#), [plot_base-method](#), [getScale](#), [plot_base-method](#), [getTheme](#), [plot_base-method](#), [getWindowTitle](#), [plot_base-method](#), [getXlab](#), [plot_base-method](#), [getYlab](#), [plot_base-method](#), [getZlab](#), [plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow](#), [plot_base-method](#), [plot_base-class](#), [registRmList](#), [plot_base-method](#), [removeRmList](#), [plot_base-method](#), [savePlot](#), [plot_base-method](#), [setBack](#), [plot_base-method](#), [setDataframe](#), [plot_base-method](#), [setFront](#), [plot_base-method](#)

gcont-class

Contour Plot Subclass

Description

gcont class is a subclass for contour plots.

Details

This class is a subclass which show dialog boxes of contour plots for graphics editing.

Fields

top: tkwin class object; parent of widget window.
alternateFrame: tkwin class object; a special frame for some GUI parts.
vbbox1: variableboxes class object; the frame to select variables.
vbbox2: variableboxes class object; the frame to select facet variables.
lbbox1: textfields class object; the frame to set axis labels, the legend label, and the main title.
rbbox1: radioboxes class object; the frame to set the decoration type.
tbbox1: toolbox class object; the frame to set the font, the colour set, other option, and the theme.

Contains

NULL

Methods

plotWindow(): Create the window that make plots.
savePlot(plot): Save the plot.
registRmList(object): Register deletable temporary objects.
removeRmList(): Remove registered temporary objects.
setFront(): Set front parts of frames.

[setBack\(\)](#): Set back parts of frames.
[getWindowTitle\(\)](#): Get the title of the window.
[getHelp\(\)](#): Get the title of the help document.
[getParms\(\)](#): Get graphics settings parameters.
[checkTheme\(index\)](#): Check themes.
[checkVariable\(var\)](#): Check a variable length.
[checkError\(parms\)](#): Check errors.
[setDataframe\(parms\)](#): Set data frames.
[getGgplot\(parms\)](#): Get ggplot.
[getGeom\(parms\)](#): Get geom.
[getScale\(parms\)](#): Get scale.
[getCoord\(parms\)](#): Get coord.
[getFacet\(parms\)](#): Get facet.
[getXlab\(parms\)](#): Get xlab.
[getYlab\(parms\)](#): Get ylab.
[getZlab\(parms\)](#): Get zlab.
[getMain\(parms\)](#): Get the main label.
[getTheme\(parms\)](#): Get theme.
[getOpts\(parms\)](#): Get other opts.
[getPlot\(parms\)](#): Get the plot object.
[getMessage\(\)](#): Get the plot error message.
[commandDoIt\(command\)](#): An wrapper function for command execution.

See Also

Other plot: [checkError](#), [plot_base-method](#), [checkTheme](#), [plot_base-method](#), [checkVariable](#), [plot_base-method](#), [commandDoIt](#), [plot_base-method](#), [factorize-class](#), [gbox-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord](#), [plot_base-method](#), [getFacet](#), [plot_base-method](#), [getGeom](#), [plot_base-method](#), [getGgplot](#), [plot_base-method](#), [getHelp](#), [plot_base-method](#), [getMain](#), [plot_base-method](#), [getMessage](#), [plot_base-method](#), [getOpts](#), [plot_base-method](#), [getParms](#), [plot_base-method](#), [getPlot](#), [plot_base-method](#), [getScale](#), [plot_base-method](#), [getTheme](#), [plot_base-method](#), [getWindowTitle](#), [plot_base-method](#), [getXlab](#), [plot_base-method](#), [getYlab](#), [plot_base-method](#), [getZlab](#), [plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow](#), [plot_base-method](#), [plot_base-class](#), [registRmlist](#), [plot_base-method](#), [removeRmlist](#), [plot_base-method](#), [savePlot](#), [plot_base-method](#), [setBack](#), [plot_base-method](#), [setDataframe](#), [plot_base-method](#), [setFront](#), [plot_base-method](#)

`gdiscbar-class`*Discrete Bar Charts Subclass*

Description

`gdiscbar` class is a subclass for discrete bar charts.

Details

This class is a subclass which show dialog boxes of discrete bar charts for graphics editing.

Fields

`top`: `tkwin` class object; parent of widget window.

`alternateFrame`: `tkwin` class object; a special frame for some GUI parts.

`vbbox1`: `variableboxes` class object; the frame to select variables.

`vbbox2`: `variableboxes` class object; the frame to select facet variables.

`lbbox1`: `textfields` class object; the frame to set axis labels and the main title.

`rbbox1`: `radioboxes` class object; the frame to set the axis scaling.

`tbbox1`: `toolbox` class object; the frame to set the font, the colour set, other option, and the theme.

Contains

NULL

Methods

`plotWindow()`: Create the window that make plots.

`savePlot(plot)`: Save the plot.

`registRmList(object)`: Register deletable temporary objects.

`removeRmList()`: Remove registered temporary objects.

`setFront()`: Set front parts of frames.

`setBack()`: Set back parts of frames.

`getWindowTitle()`: Get the title of the window.

`getHelp()`: Get the title of the help document.

`getParms()`: Get graphics settings parameters.

`checkTheme(index)`: Check themes.

`checkVariable(var)`: Check a variable length.

`checkError(parms)`: Check errors.

`setDataframe(parms)`: Set data frames.

`getGgplot(parms)`: Get ggplot.

[getGeom\(parms\)](#): Get geom.
[getScale\(parms\)](#): Get scale.
[getCoord\(parms\)](#): Get coord.
[getFacet\(parms\)](#): Get facet.
[getXlab\(parms\)](#): Get xlab.
[getYlab\(parms\)](#): Get ylab.
[getZlab\(parms\)](#): Get zlab.
[getMain\(parms\)](#): Get the main label.
[getTheme\(parms\)](#): Get theme.
[getOpts\(parms\)](#): Get other opts.
[getPlot\(parms\)](#): Get the plot object.
[getMessage\(\)](#): Get the plot error message.
[commandDoIt\(command\)](#): An wrapper function for command execution.

See Also

Other plot: [checkError](#), [plot_base-method](#), [checkTheme](#), [plot_base-method](#), [checkVariable](#), [plot_base-method](#), [commandDoIt](#), [plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdist-class](#), [getCoord](#), [plot_base-method](#), [getFacet](#), [plot_base-method](#), [getGeom](#), [plot_base-method](#), [getGgplot](#), [plot_base-method](#), [getHelp](#), [plot_base-method](#), [getMain](#), [plot_base-method](#), [getMessage](#), [plot_base-method](#), [getOpts](#), [plot_base-method](#), [getParms](#), [plot_base-method](#), [getPlot](#), [plot_base-method](#), [getScale](#), [plot_base-method](#), [getTheme](#), [plot_base-method](#), [getWindowTitle](#), [plot_base-method](#), [getXlab](#), [plot_base-method](#), [getYlab](#), [plot_base-method](#), [getZlab](#), [plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow](#), [plot_base-method](#), [plot_base-class](#), [registRmList](#), [plot_base-method](#), [removeRmList](#), [plot_base-method](#), [savePlot](#), [plot_base-method](#), [setBack](#), [plot_base-method](#), [setDataframe](#), [plot_base-method](#), [setFront](#), [plot_base-method](#)

gdist-class

Distribution Plot Subclass

Description

gdist class is a subclass for distribution plots.

Details

This class is a subclass which show dialog boxes of distribution plots for graphics editing.

Fields

`top`: tkwin class object; parent of widget window.
`alternateFrame`: tkwin class object; a special frame for some GUI parts.
`lbbox1`: textfields class object; the frame to set distribution parameters.
`lbbox2`: textfields class object; the frame to set axis labels, the legend label, and the main title.
`rbbox1`: radioboxes class object; the frame to set the function type.
`tbbox1`: toolbox class object; the frame to set the font, the colour set, other option, and the theme.
`windowTitle`: Character; the window title.
`distType`: Character; the distribution type ("discrete" or "continuous").
`distName`: Character; the distribution name.
`parmNames`: List of Characters; names of distribution parameters.
`parmInits`: List of Characters; initial values of distribution parameters.

Contains

NULL

Methods

`plotWindow()`: Create the window that make plots.
`savePlot(plot)`: Save the plot.
`registRmList(object)`: Register deletable temporary objects.
`removeRmList()`: Remove registered temporary objects.
`setFront()`: Set front parts of frames.
`setBack()`: Set back parts of frames.
`getWindowTitle()`: Get the title of the window.
`getHelp()`: Get the title of the help document.
`getParms()`: Get graphics settings parameters.
`checkTheme(index)`: Check themes.
`checkVariable(var)`: Check a variable length.
`checkError(parms)`: Check errors.
`setDataframe(parms)`: Set data frames.
`getGgplot(parms)`: Get ggplot.
`getGeom(parms)`: Get geom.
`getScale(parms)`: Get scale.
`getCoord(parms)`: Get coord.
`getFacet(parms)`: Get facet.
`getXlab(parms)`: Get xlab.
`getYlab(parms)`: Get ylab.

[getZlab\(parms\)](#): Get zlab.
[getMain\(parms\)](#): Get the main label.
[getTheme\(parms\)](#): Get theme.
[getOpts\(parms\)](#): Get other opts.
[getPlot\(parms\)](#): Get the plot object.
[getMessage\(\)](#): Get the plot error message.
[commandDoIt\(command\)](#): An wrapper function for command execution.

See Also

Other plot: [checkError](#), [plot_base-method](#), [checkTheme](#), [plot_base-method](#), [checkVariable](#), [plot_base-method](#), [commandDoIt](#), [plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [getCoord](#), [plot_base-method](#), [getFacet](#), [plot_base-method](#), [getGeom](#), [plot_base-method](#), [getGgplot](#), [plot_base-method](#), [getHelp](#), [plot_base-method](#), [getMain](#), [plot_base-method](#), [getMessage](#), [plot_base-method](#), [getOpts](#), [plot_base-method](#), [getParms](#), [plot_base-method](#), [getPlot](#), [plot_base-method](#), [getScale](#), [plot_base-method](#), [getTheme](#), [plot_base-method](#), [getWindowTitle](#), [plot_base-method](#), [getXlab](#), [plot_base-method](#), [getYlab](#), [plot_base-method](#), [getZlab](#), [plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow](#), [plot_base-method](#), [plot_base-class](#), [registRmList](#), [plot_base-method](#), [removeRmList](#), [plot_base-method](#), [savePlot](#), [plot_base-method](#), [setBack](#), [plot_base-method](#), [setDataframe](#), [plot_base-method](#), [setFront](#), [plot_base-method](#)

| | |
|-----------------|---------------------------|
| geom_stepribbon | <i>Step ribbon plots.</i> |
|-----------------|---------------------------|

Description

geom_stepribbon is an extension of the geom_ribbon, and is optimized for Kaplan-Meier plots with pointwise confidence intervals or a confidence band.

Usage

```

geom_stepribbon(
  mapping = NULL,
  data = NULL,
  stat = "identity",
  position = "identity",
  na.rm = FALSE,
  orientation = NA,
  show.legend = NA,
  inherit.aes = TRUE,
  outline.type = "both",
  kmplot = FALSE,
  ...
)

```

Arguments

| | |
|--------------|---|
| mapping | Set of aesthetic mappings created by <code>aes()</code> . If specified and <code>inherit.aes = TRUE</code> (the default), it is combined with the default mapping at the top level of the plot. You must supply mapping if there is no plot mapping. |
| data | The data to be displayed in this layer. |
| stat | The statistical transformation to use on the data for this layer. |
| position | A position adjustment to use on the data for this layer. |
| na.rm | If FALSE, the default, missing values are removed with a warning. If TRUE, missing values are silently removed. |
| orientation | The orientation of the layer. |
| show.legend | logical. Should this layer be included in the legends? NA, the default, includes if any aesthetics are mapped. FALSE never includes, and TRUE always includes. It can also be a named logical vector to finely select the aesthetics to display. |
| inherit.aes | If FALSE, overrides the default aesthetics, rather than combining with them. This is most useful for helper functions that define both data and aesthetics and shouldn't inherit behaviour from the default plot specification, e.g. <code>borders()</code> . |
| outline.type | Type of the outline of the area; "both" draws both the upper and lower lines, "upper"/"lower" draws the respective lines only. "full" draws a closed polygon around the area. |
| kmplot | If TRUE, missing values are replaced by the previous values. This option is needed to make Kaplan-Meier plots if the last observation has event, in which case the upper and lower values of the last observation are missing. This processing is optimized for results from the <code>survfit</code> function. |
| ... | Other arguments passed on to <code>layer()</code> 's <code>params</code> argument. |

Aesthetics

`geom_stepribbon()` understands the following aesthetics. Required aesthetics are displayed in bold and defaults are displayed for optional aesthetics:

- **x** *or* **y**
- **ymin** *or* **xmin**
- **ymax** *or* **xmax**
- **alpha**
- **colour**
- **fill**
- **group**
- **linetype**

- [linewidth](#)

See Also

[geom_ribbon](#) [geom_stepribbon](#) inherits from [geom_ribbon](#).

Examples

```
huron <- data.frame(year = 1875:1972, level = as.vector(LakeHuron))
h <- ggplot(huron, aes(year))
h + geom_stepribbon(aes(ymin = level - 1, ymax = level + 1), fill = "grey70") +
  geom_step(aes(y = level))
h + geom_ribbon(aes(ymin = level - 1, ymax = level + 1), fill = "grey70") +
  geom_line(aes(y = level))
```

getCoord,plot_base-method

Get coord

Description

getCoord method gets coord.

Usage

```
## S4 method for signature 'plot_base'
getCoord(parms)
```

Arguments

parms List of objects; graphics settings parameters.

Value

coord Character; a code snippet for coords.

See Also

Other plot: [checkError](#), [plot_base-method](#), [checkTheme](#), [plot_base-method](#), [checkVariable](#), [plot_base-method](#), [commandDoIt](#), [plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getFacet](#), [plot_base-method](#), [getGeom](#), [plot_base-method](#), [getGgplot](#), [plot_base-method](#), [getHelp](#), [plot_base-method](#), [getMain](#), [plot_base-method](#), [getMessage](#), [plot_base-method](#), [getOpts](#), [plot_base-method](#), [getParms](#), [plot_base-method](#), [getPlot](#), [plot_base-method](#), [getScale](#), [plot_base-method](#), [getTheme](#), [plot_base-method](#), [getWindowTitle](#), [plot_base-method](#), [getXlab](#), [plot_base-method](#), [getYlab](#), [plot_base-method](#), [getZlab](#), [plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#),

[gscat-class](#), [gscatmat-class](#), [plotWindow](#), [plot_base-method](#), [plot_base-class](#), [registRmList](#), [plot_base-method](#), [removeRmList](#), [plot_base-method](#), [savePlot](#), [plot_base-method](#), [setBack](#), [plot_base-method](#), [setDataframe](#), [plot_base-method](#), [setFront](#), [plot_base-method](#)

`getFacet,plot_base-method`

Get facet

Description

`getFacet` method gets facet.

Usage

```
## S4 method for signature 'plot_base'
getFacet(parms)
```

Arguments

`parms` List of objects; graphics settings parameters.

Value

facet Character; a code snippet for the facet.

See Also

Other plot: [checkError](#), [plot_base-method](#), [checkTheme](#), [plot_base-method](#), [checkVariable](#), [plot_base-method](#), [commandDoIt](#), [plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord](#), [plot_base-method](#), [getGeom](#), [plot_base-method](#), [getGgplot](#), [plot_base-method](#), [getHelp](#), [plot_base-method](#), [getMain](#), [plot_base-method](#), [getMessage](#), [plot_base-method](#), [getOpts](#), [plot_base-method](#), [getParms](#), [plot_base-method](#), [getPlot](#), [plot_base-method](#), [getScale](#), [plot_base-method](#), [getTheme](#), [plot_base-method](#), [getWindowTitle](#), [plot_base-method](#), [getXlab](#), [plot_base-method](#), [getYlab](#), [plot_base-method](#), [getZlab](#), [plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow](#), [plot_base-method](#), [plot_base-class](#), [registRmList](#), [plot_base-method](#), [removeRmList](#), [plot_base-method](#), [savePlot](#), [plot_base-method](#), [setBack](#), [plot_base-method](#), [setDataframe](#), [plot_base-method](#), [setFront](#), [plot_base-method](#)

```
getGeom,plot_base-method
      Get geom
```

Description

getGeom method gets geom.

Usage

```
## S4 method for signature 'plot_base'
getGeom(parms)
```

Arguments

parms List of objects; graphics settings parameters.

Value

geom Character; a code snippet for geometric objects.

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmlist,plot_base-method](#), [removeRmlist,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

```
getGgplot,plot_base-method
      Get ggplot
```

Description

getGgplot method gets ggplot.

Usage

```
## S4 method for signature 'plot_base'
getGgplot(parms)
```

Arguments

`parms` List of objects; graphics settings parameters.

Value

ggplot Character; a code snippet for ggplot functions.

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmList,plot_base-method](#), [removeRmList,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

[getHelp,plot_base-method](#)

Get Help

Description

`getHelp` method gets the title of the help document.

Usage

```
## S4 method for signature 'plot_base'
getHelp()
```

Value

help Character; the title of the help document.

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#),

registRmList,plot_base-method, removeRmList,plot_base-method, savePlot,plot_base-method, setBack,plot_base-method, setDataframe,plot_base-method, setFront,plot_base-method

getMain,plot_base-method

Get Main Label

Description

getMain method gets the main label (graph title).

Usage

```
## S4 method for signature 'plot_base'
getMain(parms)
```

Arguments

parms List of objects; graphics settings parameters.

Value

main Character; a code snippet for the main label.

See Also

Other plot: checkError,plot_base-method, checkTheme,plot_base-method, checkVariable,plot_base-method, commandDoIt,plot_base-method, factorize-class, gbox-class, gcont-class, gdiscbar-class, gdist-class, getCoord,plot_base-method, getFacet,plot_base-method, getGeom,plot_base-method, getGgplot,plot_base-method, getHelp,plot_base-method, getMessage,plot_base-method, getOpts,plot_base-method, getParms,plot_base-method, getPlot,plot_base-method, getScale,plot_base-method, getTheme,plot_base-method, getWindowTitle,plot_base-method, getXlab,plot_base-method, getYlab,plot_base-method, getZlab,plot_base-method, ghist-class, gkm-class, gline-class, gpie-class, gqq-class, gscat-class, gscatmat-class, plotWindow,plot_base-method, plot_base-class, registRmList,plot_base-method, removeRmList,plot_base-method, savePlot,plot_base-method, setBack,plot_base-method, setDataframe,plot_base-method, setFront,plot_base-method

getMessage,plot_base-method
Get Plot Error Message

Description

getMessage method gets the plot error message.

Usage

```
## S4 method for signature 'plot_base'
getMessage()
```

Value

message Character; the plot error message.

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmList,plot_base-method](#), [removeRmList,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

getOpts,plot_base-method
Get Other opts

Description

getOpts method gets other graph options.

Usage

```
## S4 method for signature 'plot_base'
getOpts(parms)
```

Arguments

parms List of objects; graphics settings parameters.

Value

opts Character; a code snippet for other graph options.

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmlist,plot_base-method](#), [removeRmlist,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

getParms,plot_base-method

Get Graphics Parameters

Description

getParms method gets graphics settings parameters.

Usage

```
## S4 method for signature 'plot_base'
getParms()
```

Value

parms List of objects; graphics settings parameters.

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmlist,plot_base-method](#), [removeRmlist,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

getPlot,plot_base-method

Get Plot

Description

getPlot method gets the plot object.

Usage

```
## S4 method for signature 'plot_base'
getPlot(parms)
```

Arguments

parms List of objects; graphics settings parameters.

Value

plot ggplot2 class object; the plot.

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmlist,plot_base-method](#), [removeRmlist,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

getScale,plot_base-method

Get scale

Description

getScale method gets scale.

Usage

```
## S4 method for signature 'plot_base'
getScale(parms)
```

Arguments

parms List of objects; graphics settings parameters.

Value

scale Character; a code snippet for scales.

See Also

Other plot: [checkError](#), [plot_base-method](#), [checkTheme](#), [plot_base-method](#), [checkVariable](#), [plot_base-method](#), [commandDoIt](#), [plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord](#), [plot_base-method](#), [getFacet](#), [plot_base-method](#), [getGeom](#), [plot_base-method](#), [getGgplot](#), [plot_base-method](#), [getHelp](#), [plot_base-method](#), [getMain](#), [plot_base-method](#), [getMessage](#), [plot_base-method](#), [getOpts](#), [plot_base-method](#), [getParms](#), [plot_base-method](#), [getPlot](#), [plot_base-method](#), [getTheme](#), [plot_base-method](#), [getWindowTitle](#), [plot_base-method](#), [getXlab](#), [plot_base-method](#), [getYlab](#), [plot_base-method](#), [getZlab](#), [plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow](#), [plot_base-method](#), [plot_base-class](#), [registRmList](#), [plot_base-method](#), [removeRmList](#), [plot_base-method](#), [savePlot](#), [plot_base-method](#), [setBack](#), [plot_base-method](#), [setDataframe](#), [plot_base-method](#), [setFront](#), [plot_base-method](#)

gettextKmg2

A gettextRcmdr Wrapper Function

Description

This function is a `gettextRcmdr` wrapper function for this package.

Usage

```
gettextKmg2(...)
```

Arguments

... arguments passed to `gettext` function

See Also

[Rcmdr.Utilities](#)

getTheme,plot_base-method
Get theme

Description

getTheme method gets the graph theme.

Usage

```
## S4 method for signature 'plot_base'
getTheme(parms)
```

Arguments

parms List of objects; graphics settings parameters.

Value

theme Character; a code snippet for the theme.

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmlist,plot_base-method](#), [removeRmlist,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

getWindowTitle,plot_base-method
Get Title

Description

getWindowTitle method gets the title of the window.

Usage

```
## S4 method for signature 'plot_base'
getWindowTitle()
```

Value

title Character; the title of the window.

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmlist,plot_base-method](#), [removeRmlist,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

[getXlab,plot_base-method](#)

Get xlab

Description

`getXlab` method gets the x-axis label.

Usage

```
## S4 method for signature 'plot_base'
getXlab(parms)
```

Arguments

`parms` List of objects; graphics settings parameters.

Value

xlab Character; a code snippet for the x-axis label.

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmlist,plot_base-method](#), [removeRmlist,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

```
getYlab,plot_base-method
      Get ylab
```

Description

getYlab method gets the y-axis label.

Usage

```
## S4 method for signature 'plot_base'
getYlab(parms)
```

Arguments

parms List of objects; graphics settings parameters.

Value

ylab Character; a code snippet for the y-axis label.

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmList,plot_base-method](#), [removeRmList,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

```
getZlab,plot_base-method
      Get zlab
```

Description

getZlab method gets the label of the stratum.

Usage

```
## S4 method for signature 'plot_base'
getZlab(parms)
```

Arguments

parms List of objects; graphics settings parameters.

Value

zlab Character; a code snippet for the label of the stratum.

See Also

Other plot: [checkError](#), [plot_base-method](#), [checkTheme](#), [plot_base-method](#), [checkVariable](#), [plot_base-method](#), [commandDoIt](#), [plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord](#), [plot_base-method](#), [getFacet](#), [plot_base-method](#), [getGeom](#), [plot_base-method](#), [getGgplot](#), [plot_base-method](#), [getHelp](#), [plot_base-method](#), [getMain](#), [plot_base-method](#), [getMessage](#), [plot_base-method](#), [getOpts](#), [plot_base-method](#), [getParms](#), [plot_base-method](#), [getPlot](#), [plot_base-method](#), [getScale](#), [plot_base-method](#), [getTheme](#), [plot_base-method](#), [getWindowTitle](#), [plot_base-method](#), [getXlab](#), [plot_base-method](#), [getYlab](#), [plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow](#), [plot_base-method](#), [plot_base-class](#), [registRmList](#), [plot_base-method](#), [removeRmList](#), [plot_base-method](#), [savePlot](#), [plot_base-method](#), [setBack](#), [plot_base-method](#), [setDataframe](#), [plot_base-method](#), [setFront](#), [plot_base-method](#)

ggsaveKmg2

A Modified Function of ggsave for recordedplot Class Objects

Description

This is a modified function of ggsave for recordedplot class objects.

Usage

```
ggsaveKmg2(
  filename = default_name(plot),
  plot = last_plot(),
  device = default_device(filename),
  path = NULL,
  scale = 1,
  width = par("din")[1],
  height = par("din")[2],
  units = c("in", "cm", "mm"),
  dpi = 300,
  ...
)
```

Arguments

filename file name/filename of plot
plot plot to save, defaults to last plot displayed

| | |
|--------|--|
| device | device to use, automatically extract from file name extension |
| path | path to save plot to (if you just want to set path and not filename) |
| scale | scaling factor |
| width | width (defaults to the width of current plotting window) |
| height | height (defaults to the height of current plotting window) |
| units | units for width and height when either one is explicitly specified (in, cm, or mm) |
| dpi | dpi to use for raster graphics |
| ... | other arguments passed to graphics device |

See Also

[ggsave](#)

ghist-class

Histogram Subclass

Description

ghist class is a subclass for histograms.

Details

This class is a subclass which show dialog boxes of histograms for graphics editing.

Fields

top: tkwin class object; parent of widget window.

alternateFrame: tkwin class object; a special frame for some GUI parts.

vbbox1: variableboxes class object; the frame to select variables.

vbbox2: variableboxes class object; the frame to select facet variables.

vbbox3: variableboxes class object; the frame to set the no. of bins.

lbbox1: textfields class object; the frame to set axis labels and the main title.

rbbox1: radioboxes class object; the frame to set the axis scaling.

cbbox1: checkboxes class object; the frame to set options.

tbbox1: toolbox class object; the frame to set the font, the colour set, other option, and the theme.

Contains

NULL

Methods

`plotWindow()`: Create the window that make plots.
`savePlot(plot)`: Save the plot.
`registRmList(object)`: Register deletable temporary objects.
`removeRmList()`: Remove registered temporary objects.
`setFront()`: Set front parts of frames.
`setBack()`: Set back parts of frames.
`getWindowTitle()`: Get the title of the window.
`getHelp()`: Get the title of the help document.
`getParms()`: Get graphics settings parameters.
`checkTheme(index)`: Check themes.
`checkVariable(var)`: Check a variable length.
`checkError(parms)`: Check errors.
`setDataframe(parms)`: Set data frames.
`getGgplot(parms)`: Get ggplot.
`getGeom(parms)`: Get geom.
`getScale(parms)`: Get scale.
`getCoord(parms)`: Get coord.
`getFacet(parms)`: Get facet.
`getXlab(parms)`: Get xlab.
`getYlab(parms)`: Get ylab.
`getZlab(parms)`: Get zlab.
`getMain(parms)`: Get the main label.
`getTheme(parms)`: Get theme.
`getOpts(parms)`: Get other opts.
`getPlot(parms)`: Get the plot object.
`getMessage()`: Get the plot error message.
`commandDoIt(command)`: An wrapper function for command execution.

See Also

Other plot: [checkError](#), [plot_base-method](#), [checkTheme](#), [plot_base-method](#), [checkVariable](#), [plot_base-method](#), [commandDoIt](#), [plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord](#), [plot_base-method](#), [getFacet](#), [plot_base-method](#), [getGeom](#), [plot_base-method](#), [getGgplot](#), [plot_base-method](#), [getHelp](#), [plot_base-method](#), [getMain](#), [plot_base-method](#), [getMessage](#), [plot_base-method](#), [getOpts](#), [plot_base-method](#), [getParms](#), [plot_base-method](#), [getPlot](#), [plot_base-method](#), [getScale](#), [plot_base-method](#), [getTheme](#), [plot_base-method](#), [getWindowTitle](#), [plot_base-method](#), [getXlab](#), [plot_base-method](#), [getYlab](#), [plot_base-method](#), [getZlab](#), [plot_base-method](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow](#), [plot_base-method](#), [plot_base-class](#), [registRmList](#), [plot_base-method](#), [removeRmList](#), [plot_base-method](#), [savePlot](#), [plot_base-method](#), [setBack](#), [plot_base-method](#), [setDataframe](#), [plot_base-method](#), [setFront](#), [plot_base-method](#)

gkm-class

Kaplan-Meier Plot Subclass

Description

gkm class is a subclass for Kaplan-Meier plots.

Details

This class is a subclass which show dialog boxes of Kaplan-Meier plots for graphics editing.

Fields

top: tkwin class object; parent of widget window.
alternateFrame: tkwin class object; a special frame for some GUI parts.
vbbox1: variableboxes class object; the frame to select variables.
vbbox2: variableboxes class object; the frame to select facet variables.
lbbox1: textfields class object; the frame to set axis labels, the legend label, and the main title.
lbbox2: textfields class object; the frame to set the tick count.
rbbox1: radioboxes class object; the frame to set the plot type.
cbbox1: checkboxes class object; the frame to set option(s).
tbbox1: toolbox class object; the frame to set the font, the colour set, other option, and the theme.

Contains

NULL

Methods

plotWindow(): Create the window that make plots.
savePlot(plot): Save the plot.
registRmList(object): Register deletable temporary objects.
removeRmList(): Remove registered temporary objects.
setFront(): Set front parts of frames.
setBack(): Set back parts of frames.
getWindowTitle(): Get the title of the window.
getHelp(): Get the title of the help document.
getParms(): Get graphics settings parameters.
checkTheme(index): Check themes.
checkVariable(var): Check a variable length.
checkError(parms): Check errors.

[setDataframe\(parms\)](#): Set data frames.
[getGgplot\(parms\)](#): Get ggplot.
[getGeom\(parms\)](#): Get geom.
[getScale\(parms\)](#): Get scale.
[getCoord\(parms\)](#): Get coord.
[getFacet\(parms\)](#): Get facet.
[getXlab\(parms\)](#): Get xlab.
[getYlab\(parms\)](#): Get ylab.
[getZlab\(parms\)](#): Get zlab.
[getMain\(parms\)](#): Get the main label.
[getTheme\(parms\)](#): Get theme.
[getOpts\(parms\)](#): Get other opts.
[getPlot\(parms\)](#): Get the plot object.
[getMessage\(\)](#): Get the plot error message.
[commandDoIt\(command\)](#): An wrapper function for command execution.

See Also

Other plot: [checkError](#), [plot_base-method](#), [checkTheme](#), [plot_base-method](#), [checkVariable](#), [plot_base-method](#), [commandDoIt](#), [plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord](#), [plot_base-method](#), [getFacet](#), [plot_base-method](#), [getGeom](#), [plot_base-method](#), [getGgplot](#), [plot_base-method](#), [getHelp](#), [plot_base-method](#), [getMain](#), [plot_base-method](#), [getMessage](#), [plot_base-method](#), [getOpts](#), [plot_base-method](#), [getParms](#), [plot_base-method](#), [getPlot](#), [plot_base-method](#), [getScale](#), [plot_base-method](#), [getTheme](#), [plot_base-method](#), [getWindowTitle](#), [plot_base-method](#), [getXlab](#), [plot_base-method](#), [getYlab](#), [plot_base-method](#), [getZlab](#), [plot_base-method](#), [ghist-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow](#), [plot_base-method](#), [plot_base-class](#), [registRmlist](#), [plot_base-method](#), [removeRmlist](#), [plot_base-method](#), [savePlot](#), [plot_base-method](#), [setBack](#), [plot_base-method](#), [setDataframe](#), [plot_base-method](#), [setFront](#), [plot_base-method](#)

gline-class

Line Chart Subclass

Description

gline class is a subclass for line charts.

Details

This class is a subclass which show dialog boxes of line charts for graphics editing.

Fields

top: tkwin class object; parent of widget window.
alternateFrame: tkwin class object; a special frame for some GUI parts.
vbbox1: variableboxes class object; the frame to select variables.
vbbox2: variableboxes class object; the frame to select facet variables.
lbbox1: textfields class object; the frame to set axis labels, the legend label, and the main title.
rbbox1: radioboxes class object; the frame to set the plot type.
rbbox2: radioboxes class object; the frame to set the summary type.
rbbox3: radioboxes class object; the frame to set the scale type.
tbbox1: toolbox class object; the frame to set the font, the colour set, other option, and the theme.

Contains

NULL

Methods

plotWindow(): Create the window that make plots.
savePlot(plot): Save the plot.
registerRmlist(object): Register deletable temporary objects.
removeRmlist(): Remove registered temporary objects.
setFront(): Set front parts of frames.
setBack(): Set back parts of frames.
getWindowTitle(): Get the title of the window.
getHelp(): Get the title of the help document.
getParms(): Get graphics settings parameters.
checkTheme(index): Check themes.
checkVariable(var): Check a variable length.
checkError(parms): Check errors.
setDataframe(parms): Set data frames.
getGgplot(parms): Get ggplot.
getGeom(parms): Get geom.
getScale(parms): Get scale.
getCoord(parms): Get coord.
getFacet(parms): Get facet.
getXlab(parms): Get xlab.
getYlab(parms): Get ylab.
getZlab(parms): Get zlab.
getMain(parms): Get the main label.

[getTheme\(parms\)](#): Get theme.
[getOpts\(parms\)](#): Get other opts.
[getPlot\(parms\)](#): Get the plot object.
[getMessage\(\)](#): Get the plot error message.
[commandDoIt\(command\)](#): An wrapper function for command execution.

See Also

[scale_date](#)

Other plot: [checkError](#), [plot_base-method](#), [checkTheme](#), [plot_base-method](#), [checkVariable](#), [plot_base-method](#), [commandDoIt](#), [plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord](#), [plot_base-method](#), [getFacet](#), [plot_base-method](#), [getGeom](#), [plot_base-method](#), [getGgplot](#), [plot_base-method](#), [getHelp](#), [plot_base-method](#), [getMain](#), [plot_base-method](#), [getMessage](#), [plot_base-method](#), [getOpts](#), [plot_base-method](#), [getParms](#), [plot_base-method](#), [getPlot](#), [plot_base-method](#), [getScale](#), [plot_base-method](#), [getTheme](#), [plot_base-method](#), [getWindowTitle](#), [plot_base-method](#), [getXlab](#), [plot_base-method](#), [getYlab](#), [plot_base-method](#), [getZlab](#), [plot_base-method](#), [ghist-class](#), [gkm-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow](#), [plot_base-method](#), [plot_base-class](#), [registRmList](#), [plot_base-method](#), [removeRmList](#), [plot_base-method](#), [savePlot](#), [plot_base-method](#), [setBack](#), [plot_base-method](#), [setDataframe](#), [plot_base-method](#), [setFront](#), [plot_base-method](#)

gparts_base-class *Base Class for GUI Frames*

Description

gparts_base class is the base class for GUI frames.

Details

This class is a framework for implementing subclasses which make GUI frames.

Fields

[frame](#): tkwin class object; parent of widget window.
[length](#): Integer; number of grids.
[back_list](#): List of tkwin class object; list of grids.

Contains

NULL

Methods

[back\(perline = 3\)](#): back method for gparts_base class.

See Also

Other guiparts: [back,gparts_base-method](#), [checkboxes-class](#), [front,checkboxes-method](#), [front,radioboxes-method](#), [front,textfield-method](#), [front,textfields-method](#), [front,toolbox-method](#), [front,variableboxes-method](#), [radioboxes-class](#), [textfield-class](#), [textfields-class](#), [toolbox-class](#), [variableboxes-class](#)

gpie-class

Pie Charts Subclass

Description

gpie class is a subclass for pie charts.

Details

This class is a subclass which show dialog boxes of pie charts for graphics editing.

Fields

top: tkwin class object; parent of widget window.

alternateFrame: tkwin class object; a special frame for some GUI parts.

vbbox1: variableboxes class object; the frame to select variables.

vbbox2: variableboxes class object; the frame to select facet variables.

lbbox1: textfields class object; the frame to set axis labels and the main title.

tbbox1: toolbox class object; the frame to set the font, the colour set, other option, and the theme.

Contains

NULL

Methods

plotWindow(): Create the window that make plots.

savePlot(plot): Save the plot.

registRmlist(object): Register deletable temporary objects.

removeRmlist(): Remove registered temporary objects.

setFront(): Set front parts of frames.

setBack(): Set back parts of frames.

getWindowTitle(): Get the title of the window.

getHelp(): Get the title of the help document.

getParms(): Get graphics settings parameters.

checkTheme(index): Check themes.

[checkVariable\(var\)](#): Check a variable length.
[checkError\(parms\)](#): Check errors.
[setDataframe\(parms\)](#): Set data frames.
[getGgplot\(parms\)](#): Get ggplot.
[getGeom\(parms\)](#): Get geom.
[getScale\(parms\)](#): Get scale.
[getCoord\(parms\)](#): Get coord.
[getFacet\(parms\)](#): Get facet.
[getXlab\(parms\)](#): Get xlab.
[getYlab\(parms\)](#): Get ylab.
[getZlab\(parms\)](#): Get zlab.
[getMain\(parms\)](#): Get the main label.
[getTheme\(parms\)](#): Get theme.
[getOpts\(parms\)](#): Get other opts.
[getPlot\(parms\)](#): Get the plot object.
[getMessage\(\)](#): Get the plot error message.
[commandDoIt\(command\)](#): An wrapper function for command execution.

See Also

Other plot: [checkError, plot_base-method](#), [checkTheme, plot_base-method](#), [checkVariable, plot_base-method](#), [commandDoIt, plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord, plot_base-method](#), [getFacet, plot_base-method](#), [getGeom, plot_base-method](#), [getGgplot, plot_base-method](#), [getHelp, plot_base-method](#), [getMain, plot_base-method](#), [getMessage, plot_base-method](#), [getOpts, plot_base-method](#), [getParms, plot_base-method](#), [getPlot, plot_base-method](#), [getScale, plot_base-method](#), [getTheme, plot_base-method](#), [getWindowTitle, plot_base-method](#), [getXlab, plot_base-method](#), [getYlab, plot_base-method](#), [getZlab, plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow, plot_base-method](#), [plot_base-class](#), [registRmList, plot_base-method](#), [removeRmList, plot_base-method](#), [savePlot, plot_base-method](#), [setBack, plot_base-method](#), [setDataframe, plot_base-method](#), [setFront, plot_base-method](#)

gqq-class

Q-Q Plot Subclass

Description

gqq class is a subclass for Q-Q plots.

Details

This class is a subclass which show dialog boxes of Q-Q plots for graphics editing.

Fields

top: tkwin class object; parent of widget window.
alternateFrame: tkwin class object; a special frame for some GUI parts.
vbbox1: variableboxes class object; the frame to select variables.
lbbbox1: textfields class object; the frame to set axis labels, the legend label, and the main title.
lbbbox2: textfields class object; the frame to set other theoretical distribution.
rbbox1: radioboxes class object; the frame to set the theoretical distribution.
tbbox1: toolbox class object; the frame to set the font, the colour set, other option, and the theme.

Contains

NULL

Methods

plotWindow(): Create the window that make plots.
savePlot(plot): Save the plot.
registRmList(object): Register deletable temporary objects.
removeRmList(): Remove registered temporary objects.
setFront(): Set front parts of frames.
setBack(): Set back parts of frames.
getWindowTitle(): Get the title of the window.
getHelp(): Get the title of the help document.
getParms(): Get graphics settings parameters.
checkTheme(index): Check themes.
checkVariable(var): Check a variable length.
checkError(parms): Check errors.
setDataframe(parms): Set data frames.
getGgplot(parms): Get ggplot.
getGeom(parms): Get geom.
getScale(parms): Get scale.
getCoord(parms): Get coord.
getFacet(parms): Get facet.
getXlab(parms): Get xlab.
getYlab(parms): Get ylab.
getZlab(parms): Get zlab.
getMain(parms): Get the main label.
getTheme(parms): Get theme.
getOpts(parms): Get other opts.
getPlot(parms): Get the plot object.
getMessage(): Get the plot error message.
commandDoIt(command): An wrapper function for command execution.

See Also

Other plot: [checkError](#), [plot_base-method](#), [checkTheme](#), [plot_base-method](#), [checkVariable](#), [plot_base-method](#), [commandDoIt](#), [plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord](#), [plot_base-method](#), [getFacet](#), [plot_base-method](#), [getGeom](#), [plot_base-method](#), [getGgplot](#), [plot_base-method](#), [getHelp](#), [plot_base-method](#), [getMain](#), [plot_base-method](#), [getMessage](#), [plot_base-method](#), [getOpts](#), [plot_base-method](#), [getParms](#), [plot_base-method](#), [getPlot](#), [plot_base-method](#), [getScale](#), [plot_base-method](#), [getTheme](#), [plot_base-method](#), [getWindowTitle](#), [plot_base-method](#), [getXlab](#), [plot_base-method](#), [getYlab](#), [plot_base-method](#), [getZlab](#), [plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow](#), [plot_base-method](#), [plot_base-class](#), [registRmList](#), [plot_base-method](#), [removeRmList](#), [plot_base-method](#), [savePlot](#), [plot_base-method](#), [setBack](#), [plot_base-method](#), [setDataframe](#), [plot_base-method](#), [setFront](#), [plot_base-method](#)

gscat-class

Scatter Plot Subclass

Description

gscat class is a subclass for scatter plots.

Details

This class is a subclass which show dialog boxes of scatter plots for graphics editing.

Fields

top: tkwin class object; parent of widget window.
alternateFrame: tkwin class object; a special frame for some GUI parts.
vbbox1: variableboxes class object; the frame to select variables.
vbbox2: variableboxes class object; the frame to select facet variables.
lbbox1: textfields class object; the frame to set axis labels, the legend label, and the main title.
rbbox1: radioboxes class object; the frame to set the smoothing type.
tbbox1: toolbox class object; the frame to set the font, the colour set, other option, and the theme.

Contains

NULL

Methods

plotWindow(): Create the window that make plots.
savePlot(plot): Save the plot.
registRmList(object): Register deletable temporary objects.
removeRmList(): Remove registered temporary objects.
setFront(): Set front parts of frames.

[setBack\(\)](#): Set back parts of frames.
[getWindowTitle\(\)](#): Get the title of the window.
[getHelp\(\)](#): Get the title of the help document.
[getParms\(\)](#): Get graphics settings parameters.
[checkTheme\(index\)](#): Check themes.
[checkVariable\(var\)](#): Check a variable length.
[checkError\(parms\)](#): Check errors.
[setDataframe\(parms\)](#): Set data frames.
[getGgplot\(parms\)](#): Get ggplot.
[getGeom\(parms\)](#): Get geom.
[getScale\(parms\)](#): Get scale.
[getCoord\(parms\)](#): Get coord.
[getFacet\(parms\)](#): Get facet.
[getXlab\(parms\)](#): Get xlab.
[getYlab\(parms\)](#): Get ylab.
[getZlab\(parms\)](#): Get zlab.
[getMain\(parms\)](#): Get the main label.
[getTheme\(parms\)](#): Get theme.
[getOpts\(parms\)](#): Get other opts.
[getPlot\(parms\)](#): Get the plot object.
[getMessage\(\)](#): Get the plot error message.
[commandDoIt\(command\)](#): An wrapper function for command execution.

See Also

Other plot: [checkError](#), [plot_base-method](#), [checkTheme](#), [plot_base-method](#), [checkVariable](#), [plot_base-method](#), [commandDoIt](#), [plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord](#), [plot_base-method](#), [getFacet](#), [plot_base-method](#), [getGeom](#), [plot_base-method](#), [getGgplot](#), [plot_base-method](#), [getHelp](#), [plot_base-method](#), [getMain](#), [plot_base-method](#), [getMessage](#), [plot_base-method](#), [getOpts](#), [plot_base-method](#), [getParms](#), [plot_base-method](#), [getPlot](#), [plot_base-method](#), [getScale](#), [plot_base-method](#), [getTheme](#), [plot_base-method](#), [getWindowTitle](#), [plot_base-method](#), [getXlab](#), [plot_base-method](#), [getYlab](#), [plot_base-method](#), [getZlab](#), [plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscatmat-class](#), [plotWindow](#), [plot_base-method](#), [plot_base-class](#), [registRmList](#), [plot_base-method](#), [removeRmList](#), [plot_base-method](#), [savePlot](#), [plot_base-method](#), [setBack](#), [plot_base-method](#), [setDataframe](#), [plot_base-method](#), [setFront](#), [plot_base-method](#)

| | |
|----------------|-------------------------------------|
| gscatmat-class | <i>Scatter Plot Matrix Subclass</i> |
|----------------|-------------------------------------|

Description

gscatmat class is a subclass for a scatter plot matrix.

Details

This class is a subclass which show dialog boxes of a scatter plot matrix for graphics editing.

Fields

top: tkwin class object; parent of widget window.
alternateFrame: tkwin class object; a special frame for some GUI parts.
vbbox1: variableboxes class object; the frame to select variables.
lbbox1: textfields class object; the frame to set the main title.
rbbox1: radioboxes class object; the frame to set the smoothing type.
tbbox1: toolbox class object; the frame to set the font, the colour set, other option, and the theme.

Contains

NULL

Methods

plotWindow(): Create the window that make plots.
savePlot(plot): Save the plot.
registRmList(object): Register deletable temporary objects.
removeRmList(): Remove registered temporary objects.
setFront(): Set front parts of frames.
setBack(): Set back parts of frames.
getWindowTitle(): Get the title of the window.
getHelp(): Get the title of the help document.
getParms(): Get graphics settings parameters.
checkTheme(index): Check themes.
checkVariable(var): Check a variable length.
checkError(parms): Check errors.
setDataframe(parms): Set data frames.
getGgplot(parms): Get ggplot.
getGeom(parms): Get geom.

`getScale(parms)`: Get scale.
`getCoord(parms)`: Get coord.
`getFacet(parms)`: Get facet.
`getXlab(parms)`: Get xlab.
`getYlab(parms)`: Get ylab.
`getZlab(parms)`: Get zlab.
`getMain(parms)`: Get the main label.
`getTheme(parms)`: Get theme.
`getOpts(parms)`: Get other opts.
`getPlot(parms)`: Get the plot object.
`getMessage()`: Get the plot error message.
`commandDoIt(command)`: An wrapper function for command execution.

See Also

Other plot: [checkError](#), [plot_base-method](#), [checkTheme](#), [plot_base-method](#), [checkVariable](#), [plot_base-method](#), [commandDoIt](#), [plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord](#), [plot_base-method](#), [getFacet](#), [plot_base-method](#), [getGeom](#), [plot_base-method](#), [getGgplot](#), [plot_base-method](#), [getHelp](#), [plot_base-method](#), [getMain](#), [plot_base-method](#), [getMessage](#), [plot_base-method](#), [getOpts](#), [plot_base-method](#), [getParms](#), [plot_base-method](#), [getPlot](#), [plot_base-method](#), [getScale](#), [plot_base-method](#), [getTheme](#), [plot_base-method](#), [getWindowTitle](#), [plot_base-method](#), [getXlab](#), [plot_base-method](#), [getYlab](#), [plot_base-method](#), [getZlab](#), [plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [plotWindow](#), [plot_base-method](#), [plot_base-class](#), [registRmList](#), [plot_base-removRmList](#), [plot_base-method](#), [savePlot](#), [plot_base-method](#), [setBack](#), [plot_base-method](#), [setDataframe](#), [plot_base-method](#), [setFront](#), [plot_base-method](#)

lastcom

Listing the last command

Description

This function lists the last command is executed by `RcmdrPlugin.KMggplot2`

Usage

`lastcom()`

| | |
|------------|------------------------------------|
| nonFactors | <i>Select Non Factor Variables</i> |
|------------|------------------------------------|

Description

This is a function to select non-factor variables for the Rcmdr package.

Usage

```
nonFactors()
```

See Also

[Rcmdr.Utilities](#)

| | |
|-------------|---|
| nonFactorsP | <i>Check Non Factor Variables in The Active Dataset</i> |
|-------------|---|

Description

This is a function to check the active dataset has more than or equal to n non-factor variables.

Usage

```
nonFactorsP(n = 1)
```

Arguments

n Numeric: the target number of n.

Value

result Boolean; the active dataset has or does not have more than or equal to n non-factor variables.

See Also

[Rcmdr.Utilities](#)

plotWindow, plot_base-method

Create Plot Window

Description

plotWindow method creates the window that make plots.

Usage

```
## S4 method for signature 'plot_base'
plotWindow()
```

See Also

Other plot: [checkError, plot_base-method](#), [checkTheme, plot_base-method](#), [checkVariable, plot_base-method](#), [commandDoIt, plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord, plot_base-method](#), [getFacet, plot_base-method](#), [getGeom, plot_base-method](#), [getGgplot, plot_base-method](#), [getHelp, plot_base-method](#), [getMain, plot_base-method](#), [getMessage, plot_base-method](#), [getOpts, plot_base-method](#), [getParms, plot_base-method](#), [getPlot, plot_base-method](#), [getScale, plot_base-method](#), [getTheme, plot_base-method](#), [getWindowTitle, plot_base-method](#), [getXlab, plot_base-method](#), [getYlab, plot_base-method](#), [getZlab, plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plot_base-class](#), [registRmList, plot_base-method](#), [removeRmList, plot_base-method](#), [savePlot, plot_base-method](#), [setBack, plot_base-method](#), [setDataframe, plot_base-method](#), [setFront, plot_base-method](#)

plot_base-class

Base Class for Plot Windows

Description

plot_base class is the base class for plot windows.

Details

This class is a framework for implementing subclasses which show dialog boxes for graphics editing.

Fields

top: tkwin class object; parent of widget window.
alternateFrame: tkwin class object; a special frame for some GUI parts.
rmList: List of character; deletable temporary objects.
mode: numeric; the executive mode (0 = justDoIt, 1 = doItAndPrint).

Contains

NULL

Methods

`plotWindow()`: Create the window that make plots.
`savePlot(plot)`: Save the plot.
`registRmList(object)`: Register deletable temporary objects.
`removeRmList()`: Remove registered temporary objects.
`setFront()`: Set front parts of frames.
`setBack()`: Set back parts of frames.
`getWindowTitle()`: Get the title of the window.
`getHelp()`: Get the title of the help document.
`getParms()`: Get graphics settings parameters.
`checkTheme(index)`: Check themes.
`checkVariable(var)`: Check a variable length.
`checkError(parms)`: Check errors.
`setDataframe(parms)`: Set data frames.
`getGgplot(parms)`: Get ggplot.
`getGeom(parms)`: Get geom.
`getScale(parms)`: Get scale.
`getCoord(parms)`: Get coord.
`getFacet(parms)`: Get facet.
`getXlab(parms)`: Get xlab.
`getYlab(parms)`: Get ylab.
`getZlab(parms)`: Get zlab.
`getMain(parms)`: Get the main label.
`getTheme(parms)`: Get theme.
`getOpts(parms)`: Get other opts.
`getPlot(parms)`: Get the plot object.
`getMessage()`: Get the plot error message.
`commandDoIt(command)`: An wrapper function for command execution.

See Also

Other plot: [checkError](#), [plot_base-method](#), [checkTheme](#), [plot_base-method](#), [checkVariable](#), [plot_base-method](#), [commandDoIt](#), [plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord](#), [plot_base-method](#), [getFacet](#), [plot_base-method](#), [getGeom](#), [plot_base-method](#), [getGgplot](#), [plot_base-method](#), [getHelp](#), [plot_base-method](#), [getMain](#), [plot_base-method](#), [getMessage](#), [plot_base-m](#), [getOpts](#), [plot_base-method](#), [getParms](#), [plot_base-method](#), [getPlot](#), [plot_base-method](#), [getScale](#), [plot_base-meth](#)

[getTheme](#), [plot_base-method](#), [getWindowTitle](#), [plot_base-method](#), [getXlab](#), [plot_base-method](#), [getYlab](#), [plot_base-method](#), [getZlab](#), [plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow](#), [plot_base-method](#), [registRmList](#), [plot_base-method](#), [removeRmList](#), [plot_base-method](#), [savePlot](#), [plot_base-method](#), [setBack](#), [plot_base-method](#), [setDataframe](#), [plot_base-method](#), [setFront](#), [plot_base-method](#)

| | |
|------------------|-----------------------------|
| radioboxes-class | <i>Radio Boxes Subclass</i> |
|------------------|-----------------------------|

Description

radioboxes class is a subclass for GUI radio box frame.

Details

This class is a subclass which make GUI radio box frame.

Fields

`frame`: tkwin class object; parent of widget window.

`length`: Integer; number of grids.

`back_list`: List of tkwin class object; list of grids.

`value`: TclVar class object; the value of the radio box frame.

`rbradioboxes`: tkwin class object; the radio box frame.

Contains

`gparts_base`

Methods

`back(perline = 3)`: back method for `gparts_base` class.

`front(top, labels, title = "", initialValue = 1, right.buttons = FALSE)`: front method for radioboxes subclass.

See Also

Other `gui`parts: [back](#), [gparts_base-method](#), [checkboxes-class](#), [front](#), [checkboxes-method](#), [front](#), [radioboxes-method](#), [front](#), [textfield-method](#), [front](#), [textfields-method](#), [front](#), [toolbox-method](#), [front](#), [variableboxes-method](#), [gparts_base-class](#), [textfield-class](#), [textfields-class](#), [toolbox-class](#), [variableboxes-class](#)

 registRmlist,plot_base-method

Register Deletable Temporary Objects

Description

registRmlist method registers deletable temporary objects.

Usage

```
## S4 method for signature 'plot_base'
registRmlist(object)
```

Arguments

object Object; the deletable temporary object to register.

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [removeRmlist,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

 removeRmlist,plot_base-method

Remove Registered Temporary Objects

Description

removeRmlist method removes registered temporary objects.

Usage

```
## S4 method for signature 'plot_base'
removeRmlist()
```

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmList,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

savePlot,plot_base-method

Save Plot

Description

savePlot method saves the plot.

Usage

```
## S4 method for signature 'plot_base'
savePlot(plot, useGgsave)
```

Arguments

| | |
|-----------|--|
| plot | ggplot or recordedplot class object; the plot to save. |
| useGgsave | Boolean; use ggsave. |

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmList,plot_base-method](#), [removeRmList,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

 setBack,plot_base-method

Set Back Parts

Description

setBack method sets back parts of frames.

Usage

```
## S4 method for signature 'plot_base'
setBack()
```

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-method](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-method](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmList,plot_base-method](#), [removeRmList,plot_base-method](#), [savePlot,plot_base-method](#), [setDataframe,plot_base-method](#), [setFront,plot_base-method](#)

 setDataframe,plot_base-method

Set Data Frames

Description

setDataframe method sets data frames.

Usage

```
## S4 method for signature 'plot_base'
setDataframe(parms)
```

Arguments

parms List of objects; graphics settings parameters.

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-m](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-meth](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmlist,plot_base-method](#), [removeRmlist,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setFront,plot_base-method](#)

setFront,plot_base-method

Set Front Parts

Description

setFront method sets front parts of frames.

Usage

```
## S4 method for signature 'plot_base'
setFront()
```

See Also

Other plot: [checkError,plot_base-method](#), [checkTheme,plot_base-method](#), [checkVariable,plot_base-method](#), [commandDoIt,plot_base-method](#), [factorize-class](#), [gbox-class](#), [gcont-class](#), [gdiscbar-class](#), [gdist-class](#), [getCoord,plot_base-method](#), [getFacet,plot_base-method](#), [getGeom,plot_base-method](#), [getGgplot,plot_base-method](#), [getHelp,plot_base-method](#), [getMain,plot_base-method](#), [getMessage,plot_base-m](#), [getOpts,plot_base-method](#), [getParms,plot_base-method](#), [getPlot,plot_base-method](#), [getScale,plot_base-meth](#), [getTheme,plot_base-method](#), [getWindowTitle,plot_base-method](#), [getXlab,plot_base-method](#), [getYlab,plot_base-method](#), [getZlab,plot_base-method](#), [ghist-class](#), [gkm-class](#), [gline-class](#), [gpie-class](#), [gqq-class](#), [gscat-class](#), [gscatmat-class](#), [plotWindow,plot_base-method](#), [plot_base-class](#), [registRmlist,plot_base-method](#), [removeRmlist,plot_base-method](#), [savePlot,plot_base-method](#), [setBack,plot_base-method](#), [setDataframe,plot_base-method](#)

| | |
|-----------------|----------------------------|
| textfield-class | <i>Text Field Subclass</i> |
|-----------------|----------------------------|

Description

textfield class is a subclass for GUI text field frame.

Details

This class is a subclass which make GUI text field frame.

Fields

frame: tkwin class object; parent of widget window.

length: Integer; number of grids.

back_list: List of tkwin class object; list of grids.

value: TclVar class object; the value of the text field frame.

Contains

gparts_base

Methods

back(perline = 3): back method for gparts_base class.

front(top, initialValue, boxwidth, title): front method for textfield subclass.

See Also

Other guiparts: [back,gparts_base-method](#), [checkboxes-class](#), [front,checkboxes-method](#), [front,radioboxes-method](#), [front,textfield-method](#), [front,textfields-method](#), [front,toolbox-method](#), [front,variableboxes-method](#), [gparts_base-class](#), [radioboxes-class](#), [textfields-class](#), [toolbox-class](#), [variableboxes-class](#)

| | |
|------------------|--------------------------------------|
| textfields-class | <i>Multiple Text Fields Subclass</i> |
|------------------|--------------------------------------|

Description

textfields class is a subclass for GUI multiple text fields frame.

Details

This class is a subclass which make GUI multiple text fields frame.

Fields

frame: tkwin class object; parent of widget window.
length: Integer; number of grids.
back_list: List of tkwin class object; list of grids.
fields: List of textfield class object; list of textfield.

Contains

gparts_base

Methods

back(perline = 3): back method for gparts_base class.
front(top, initValues, titles, boxwidth = "20"): front method for textfields subclass.

See Also

Other guiparts: [back,gparts_base-method](#), [checkboxes-class](#), [front,checkboxes-method](#), [front,radioboxes-method](#), [front,textfield-method](#), [front,textfields-method](#), [front,toolbox-method](#), [front,variableboxes-method](#), [gparts_base-class](#), [radioboxes-class](#), [textfield-class](#), [toolbox-class](#), [variableboxes-class](#)

theme_natrisk

A Theme for No of At Risk in Kaplan-Meier Plots

Description

These functions generate graphics themes for no of at risk in Kaplan-Meier Plots.

Usage

```
theme_natrisk(base_theme, base_size = 20, base_family = "")
```

Arguments

| | |
|-------------|------------------|
| base_theme | base theme name |
| base_size | base font size |
| base_family | font family name |

See Also

[ggplot](#)

| | |
|-----------------|--|
| theme_natrisk21 | <i>A Theme for No of At Risk in Kaplan-Meier Plots</i> |
|-----------------|--|

Description

These functions generate graphics themes for no of at risk in Kaplan-Meier Plots.

Usage

```
theme_natrisk21(base_theme, base_size = 20, base_family = "")
```

Arguments

| | |
|-------------|------------------|
| base_theme | base theme name |
| base_size | base font size |
| base_family | font family name |

See Also

[ggplot](#)

| | |
|-----------------|--|
| theme_natriskbg | <i>A Theme for No of At Risk in Kaplan-Meier Plots</i> |
|-----------------|--|

Description

These functions generate graphics themes for no of at risk in Kaplan-Meier Plots.

Usage

```
theme_natriskbg(base_theme, base_size = 20, base_family = "")
```

Arguments

| | |
|-------------|------------------|
| base_theme | base theme name |
| base_size | base font size |
| base_family | font family name |

See Also

[ggplot](#)

| | |
|--------------|---------------------------------------|
| theme_simple | <i>A Simple Black and White Theme</i> |
|--------------|---------------------------------------|

Description

A Simple Black and White Theme

Usage

```
theme_simple(base_size = 16, base_family = "")
```

Arguments

| | |
|-------------|------------------|
| base_size | base font size |
| base_family | font family name |

See Also

[ggplot](#)

| | |
|------------|---|
| theme_wsj2 | <i>A Wrapper Theme for ggthemes's theme_wsj</i> |
|------------|---|

Description

A Wrapper Theme for ggthemes's theme_wsj

Usage

```
theme_wsj2(base_size = 16, base_family = "")
```

Arguments

| | |
|-------------|------------------|
| base_size | base font size |
| base_family | font family name |

See Also

[ggplot](#) [theme_wsj](#)

| | |
|---------------|--------------------------|
| toolbox-class | <i>Tool Box Subclass</i> |
|---------------|--------------------------|

Description

toolbox class is a subclass for GUI tool box frame.

Details

This class is a subclass which make GUI tool box frame.

Fields

frame: tkwin class object; parent of widget window.

length: Integer; number of grids.

back_list: List of tkwin class object; list of grids.

size: textfield class object; the value of the font size frame.

family: listbox class object; the value of the font family frame.

colour: listbox class object; the value of the colour set frame.

goption: checkboxes class object; values of other options frame.

theme: radioboxes class object; the value of the graph theme frame.

Contains

gparts_base

Methods

back(perline = 3): back method for gparts_base class.

front(top, showcolourbox = TRUE, fontSize = unlist(options("kmg2FontSize")), fontSize = unlist(options('front method for toolbox subclass.

See Also

Other guiparts: [back](#), [gparts_base-method](#), [checkboxes-class](#), [front](#), [checkboxes-method](#), [front](#), [radioboxes-method](#), [front](#), [textfield-method](#), [front](#), [textfields-method](#), [front](#), [toolbox-method](#), [front](#), [variableboxes-method](#), [gparts_base-class](#), [radioboxes-class](#), [textfield-class](#), [textfields-class](#), [variableboxes-class](#)

| | |
|---------------------|--------------------------------|
| variableboxes-class | <i>Variable Boxes Subclass</i> |
|---------------------|--------------------------------|

Description

variableboxes class is a subclass for GUI variable box frame.

Details

This class is a subclass which make GUI variable box frame.

Fields

frame: tkwin class object; parent of widget window.

length: Integer; number of grids.

back_list: List of tkwin class object; list of grids.

variable: List of listbox class object; variables of the variable box frame.

Contains

gparts_base

Methods

back(perline = 3): back method for gparts_base class.

front(top, types, titles, modes = "default"): front method for variableboxes subclass.

See Also

Other guiparts: [back](#), [gparts_base-method](#), [checkboxes-class](#), [front](#), [checkboxes-method](#), [front](#), [radioboxes-method](#), [front](#), [textfield-method](#), [front](#), [textfields-method](#), [front](#), [toolbox-method](#), [front](#), [variableboxes-method](#), [gparts_base-class](#), [radioboxes-class](#), [textfield-class](#), [textfields-class](#), [toolbox-class](#)

| | |
|-----------|--|
| windowBox | <i>Wrapper Function of Box Plot Subclass</i> |
|-----------|--|

Description

windowBox function is a wrapper function of gbox class for the R-commander menu bar.

Usage

windowBox()

| | |
|---------------|--|
| windowContour | <i>Wrapper Function of Contour Plot Subclass</i> |
|---------------|--|

Description

windowContour function is a wrapper function of gcont class for the R-commander menu bar.

Usage

```
windowContour()
```

| | |
|-------------------|---|
| windowDiscretebar | <i>Wrapper Function of Discrete Bar Charts Subclass</i> |
|-------------------|---|

Description

windowDiscretebar function is a wrapper function of gdisbar class for the R-commander menu bar.

Usage

```
windowDiscretebar()
```

| | |
|----------------|--|
| windowDistBeta | <i>Wrapper Function of Beta Distribution Plot Subclass</i> |
|----------------|--|

Description

windowDistBeta function is a wrapper function of gdist class for the R-commander menu bar.

Usage

```
windowDistBeta()
```

| | |
|-----------------|--|
| windowDistBinom | <i>Wrapper Function of Binomial Distribution Plot Subclass</i> |
|-----------------|--|

Description

windowDistBinom function is a wrapper function of gdist class for the R-commander menu bar.

Usage

```
windowDistBinom()
```

| | |
|------------------|--|
| windowDistCauchy | <i>Wrapper Function of Cauchy Distribution Plot Subclass</i> |
|------------------|--|

Description

windowDistCauchy function is a wrapper function of `gdist` class for the R-commander menu bar.

Usage

```
windowDistCauchy()
```

| | |
|-----------------|--|
| windowDistChisq | <i>Wrapper Function of Chi-square Distribution Plot Subclass</i> |
|-----------------|--|

Description

windowDistChisq function is a wrapper function of `gdist` class for the R-commander menu bar.

Usage

```
windowDistChisq()
```

| | |
|---------------|---|
| windowDistExp | <i>Wrapper Function of Exponential Distribution Plot Subclass</i> |
|---------------|---|

Description

windowDistExp function is a wrapper function of `gdist` class for the R-commander menu bar.

Usage

```
windowDistExp()
```

| | |
|-------------|---|
| windowDistF | <i>Wrapper Function of F Distribution Plot Subclass</i> |
|-------------|---|

Description

windowDistF function is a wrapper function of `gdist` class for the R-commander menu bar.

Usage

```
windowDistF()
```

| | |
|-----------------|---|
| windowDistGamma | <i>Wrapper Function of Gamma Distribution Plot Subclass</i> |
|-----------------|---|

Description

windowDistGamma function is a wrapper function of `gdist` class for the R-commander menu bar.

Usage

```
windowDistGamma()
```

| | |
|----------------|---|
| windowDistGeom | <i>Wrapper Function of Geometric Distribution Plot Subclass</i> |
|----------------|---|

Description

windowDistGeom function is a wrapper function of `gdist` class for the R-commander menu bar.

Usage

```
windowDistGeom()
```

| | |
|-----------------|--|
| windowDistHyper | <i>Wrapper Function of Hypergeometric Distribution Plot Subclass</i> |
|-----------------|--|

Description

windowDistHyper function is a wrapper function of `gdist` class for the R-commander menu bar.

Usage

```
windowDistHyper()
```

| | |
|-----------------|--|
| windowDistLnorm | <i>Wrapper Function of Log-normal Distribution Plot Subclass</i> |
|-----------------|--|

Description

windowDistLnorm function is a wrapper function of `gdist` class for the R-commander menu bar.

Usage

```
windowDistLnorm()
```

| | |
|-----------------|--|
| windowDistLogis | <i>Wrapper Function of Logistic Distribution Plot Subclass</i> |
|-----------------|--|

Description

windowDistLogis function is a wrapper function of `gdist` class for the R-commander menu bar.

Usage

```
windowDistLogis()
```

| | |
|------------------|---|
| windowDistNbinom | <i>Wrapper Function of Negative Binomial Distribution Plot Subclass</i> |
|------------------|---|

Description

windowDistNbinom function is a wrapper function of `gdist` class for the R-commander menu bar.

Usage

```
windowDistNbinom()
```

| | |
|----------------|--|
| windowDistNorm | <i>Wrapper Function of Normal Distribution Plot Subclass</i> |
|----------------|--|

Description

windowDistNorm function is a wrapper function of `gdist` class for the R-commander menu bar.

Usage

```
windowDistNorm()
```

| | |
|----------------|---|
| windowDistPois | <i>Wrapper Function of Poisson Distribution Plot Subclass</i> |
|----------------|---|

Description

windowDistPois function is a wrapper function of `gdist` class for the R-commander menu bar.

Usage

```
windowDistPois()
```

| | |
|-------------|---|
| windowDistT | <i>Wrapper Function of t Distribution Plot Subclass</i> |
|-------------|---|

Description

windowDistT function is a wrapper function of gdist class for the R-commander menu bar.

Usage

```
windowDistT()
```

| | |
|----------------|---|
| windowDistUnif | <i>Wrapper Function of Uniform Distribution Plot Subclass</i> |
|----------------|---|

Description

windowDistUnif function is a wrapper function of gdist class for the R-commander menu bar.

Usage

```
windowDistUnif()
```

| | |
|-------------------|---|
| windowDistWeibull | <i>Wrapper Function of Weibull Distribution Plot Subclass</i> |
|-------------------|---|

Description

windowDistWeibull function is a wrapper function of gdist class for the R-commander menu bar.

Usage

```
windowDistWeibull()
```

| | |
|-----------------|---|
| windowFactorize | <i>Wrapper Function of Factorize Subclass</i> |
|-----------------|---|

Description

windowFactorize function is a wrapper function of factorize class for the R-commander menu bar.

Usage

```
windowFactorize()
```

| | |
|------------|---|
| windowHist | <i>Wrapper Function of Histogram Subclass</i> |
|------------|---|

Description

windowHist function is a wrapper function of ghist class for the R-commander menu bar.

Usage

```
windowHist()
```

| | |
|----------|---|
| windowKM | <i>Wrapper Function of Kaplan-Meier Plot Subclass</i> |
|----------|---|

Description

windowKM function is a wrapper function of gkm class for the R-commander menu bar.

Usage

```
windowKM()
```

| | |
|------------|--|
| windowLine | <i>Wrapper Function of Line Chart Subclass</i> |
|------------|--|

Description

windowScatter function is a wrapper function of gline class for the R-commander menu bar.

Usage

```
windowLine()
```

| | |
|-----------|--|
| windowPie | <i>Wrapper Function of Pie Charts Subclass</i> |
|-----------|--|

Description

windowPie function is a wrapper function of gpie class for the R-commander menu bar.

Usage

```
windowPie()
```

| | |
|----------|--|
| windowQQ | <i>Wrapper Function of Q-Q Plot Subclass</i> |
|----------|--|

Description

windowQQ function is a wrapper function of gqq class for the R-commander menu bar.

Usage

```
windowQQ()
```

| | |
|---------------|--|
| windowScatter | <i>Wrapper Function of Scatter Plot Subclass</i> |
|---------------|--|

Description

windowScatter function is a wrapper function of gscat class for the R-commander menu bar.

Usage

```
windowScatter()
```

| | |
|------------------|---|
| windowScattermat | <i>Wrapper Function of Scatter Plot Matrix Subclass</i> |
|------------------|---|

Description

windowScattermat function is a wrapper function of gscatmat class for the R-commander menu bar.

Usage

```
windowScattermat()
```

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