

Package ‘ggplotify’

August 3, 2018

Title Convert Plot to 'grob' or 'ggplot' Object

Version 0.0.3

Description Convert plot function call (using expression or formula) to 'grob' or 'ggplot' object that compatible to the 'grid' and 'ggplot2' ecosystem. With this package, we are able to e.g. using 'cowplot' to align plots produced by 'base' graphics, 'grid', 'lattice', 'vcd' etc. by converting them to 'ggplot' objects.

Depends R (>= 3.4.0)

Imports ggplot2, graphics, grDevices, grid, gridGraphics, rvcheck

Suggests colorspace, cowplot, ggimage, knitr, lattice, prettydoc, vcd

VignetteBuilder knitr

ByteCompile true

License Artistic-2.0

URL <https://github.com/GuangchuangYu/ggplotify>

BugReports <https://github.com/GuangchuangYu/ggplotify/issues>

Encoding UTF-8

LazyData true

RoxygenNote 6.1.0

NeedsCompilation no

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Repository CRAN

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`as.ggplot``as.ggplot`

Description

convert plot to ggplot object

Usage

```
as.ggplot(plot, scale = 1)
```

Arguments

`plot` base or grid plot, or graphic generated by ggplot, lattice, etc.
`scale` scale of the plot to be drawn

Value

ggplot object

Author(s)

Guangchuang Yu

Examples

```
as.ggplot(~barplot(1:10))
```

`as.grob``as.grob`

Description

convert a plot to grob object

Usage

```
as.grob(plot)

## S3 method for class 'expression'
as.grob(plot)

## S3 method for class 'formula'
as.grob(plot)

## S3 method for class 'function'
```

```
as.grob(plot)

## S3 method for class 'ggplot'
as.grob(plot)

## S3 method for class 'meme'
as.grob(plot)

## S3 method for class 'trellis'
as.grob(plot)

## S3 method for class 'upset'
as.grob(plot)

## S3 method for class 'pheatmap'
as.grob(plot)

## S3 method for class 'grob'
as.grob(plot)
```

Arguments

plot base or grid plot, or graphic object generated by ggplot, lattice, etc.

Value

grob object

Author(s)

guangchuang yu

Examples

```
as.grob(~barplot(1:10))
```

base2grob

base2grob

Description

convert base plot to grob object

Usage

```
base2grob(x)
```

Arguments

x expression or formula of base plot function call, e.g. `expression(pie(1:5))` or `~plot(1:10, 1:10)`; or a function that plots to an R graphics device when called, e.g. `function() plot(sqrt)`

Value

grob object

Author(s)

Guangchuang Yu

Examples

```
base2grob(~plot(rnorm(10)))
```

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