

Package ‘meme’

September 27, 2018

Title Create Meme

Version 0.2.1

Description The word 'Meme' was originated from the book, 'The Selfish Gene', authored by Richard Dawkins (1976).

It is a unit of culture that is passed from one generation to another and correlates to the gene, the unit of physical heredity.

The internet memes are captioned photos that are intended to be funny, ridiculous.

Memes behave like infectious viruses and travel from person to person quickly through social media.

The 'meme' package allows users to make custom memes.

Depends R (>= 3.4.0)

Imports ggplot2, graphics, grDevices, grid, gridGraphics, magick, methods, showtext, sysfonts, utils

Suggests cowplot, ggimage, knitr, prettydoc, shadowtext

VignetteBuilder knitr

Encoding UTF-8

LazyData true

ByteCompile true

License Artistic-2.0

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

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

RoxygenNote 6.1.0

NeedsCompilation no

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R topics documented:

asp	2
font_pokemon	3
grid.echo.meme	3
meme	4
memeGrob	5
meme_save	5
mmplot	6
mm_caption	6
print.meme	7

Index	9
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 asp

asp

Description

aspect ratio of meme

Usage

asp(x)

Arguments

x meme object

Value

asp ratio

Author(s)

guangchuang yu

Examples

```
## Not run:
f <- system.file("icon.png", package="meme")
x <- meme(f, "meme", "produced by meme package")
asp(x)

## End(Not run)
```

font_pokemon	<i>font_pokemon</i>
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Description

load fonts

Usage

```
font_pokemon()  
  
font_import(path = ".")
```

Arguments

path	folder of fonts
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Author(s)

Guangchuang Yu

grid.echo.meme	<i>grid.echo.meme</i>
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Description

grid.echo method for meme object

Usage

```
## S3 method for class 'meme'  
grid.echo(x = NULL, newpage = TRUE, prefix = NULL)
```

Arguments

x	meme object
newpage	not use in this method
prefix	not use in this method

Details

using the solution <https://stackoverflow.com/a/18551959/3844636> to not importing grid.echo generics from gridGraphics for easy installation, since gridGraphics has system requirement of ImageMagick <https://github.com/cran/gridGraphics/blob/master/DESCRIPTION#L14>.

this method is just a hack for making cowplot to support meme object, and not used elsewhere.

Value

meme object

Author(s)

guangchuang yu

meme

meme

Description

create meme

Usage

```
meme(img, upper = "", lower = "", size = "auto", color = "white",  
      font = "Impact", vjust = 0.05, bgcolor = "black", r = 0.2,  
      density = NULL)
```

Arguments

img	path or url
upper	upper text
lower	lower text
size	size of text
color	color of text
font	font family of text
vjust	vertical adjustment of captions
bgcolor	background color of shadow text
r	ratio of shadow text
density	resolution to render pdf or svg

Value

grob object

Author(s)

guangchuang yu

Examples

```
f <- system.file("angry8.jpg", package="meme")  
meme(f, "code", "all the things!", font = "Helvetica")
```

memeGrob	<i>memeGrob</i>
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Description

convert meme to grob object

Usage

```
memeGrob(x)
```

Arguments

x meme object

Value

grob object

Author(s)

guangchuang yu

Examples

```
f <- system.file("angry8.jpg", package="meme")
x <- meme(f, "code", "all the things!")
memeGrob(x)
```

meme_save	<i>meme_save</i>
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Description

save meme plot

Usage

```
meme_save(x, file, width = NULL, height = NULL, ...)
```

Arguments

x meme output
file output file
width width of graph
height height of graph
... additional arguments for ggsave

Author(s)

guangchuang yu

Examples

```
f <- system.file("angry8.jpg", package="meme")
x <- meme(f, "code", "all the things!")
outfile <- tempfile(fileext = ".png")
meme_save(x, outfile)
```

mmplot

mmplot

Description

plot the image for meme (captions to be added)

Usage

```
mmplot(x)
```

Arguments

x image file

Value

meme object

Author(s)

guangchuang yu

mm_caption

mm_caption

Description

add caption layer for meme

Usage

```
mm_caption(upper = NULL, lower = NULL, ...)
```

Arguments

upper	upper caption
lower	lower caption
...	additional parameters to set caption

Value

meme object

Author(s)

guangchuang yu

print.meme	<i>print method for meme object</i>
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Description

print method for meme object

Usage

```
## S3 method for class 'meme'
print(x, size = NULL, color = NULL, font = NULL,
      upper = NULL, lower = NULL, vjust = NULL, bgcolor = NULL,
      r = NULL, newpage = is.null(vp), vp = NULL, newdev = FALSE, ...)
```

```
## S3 method for class 'meme'
plot(x, size = NULL, color = NULL, font = NULL,
     upper = NULL, lower = NULL, vjust = NULL, bgcolor = NULL,
     r = NULL, newpage = is.null(vp), vp = NULL, newdev = FALSE, ...)
```

Arguments

x	meme object
size	size of text
color	color of text
font	font family of text
upper	upper text
lower	lower text
vjust	vertical adjustment ratio
bgcolor	background color of shadow text
r	ratio for shadow text
newpage	draw new (empty) page first?

vp	viewport to draw plot in
newdev	open new graphic device?
...	other arguments not used by this method

Examples

```
f <- system.file("angry8.jpg", package="meme")
x <- meme(f, "code", "all the things!", font = "Helvetica")
print(x)
```


Index

`asp`, [2](#)

`font_import (font_pokemon)`, [3](#)

`font_pokemon`, [3](#)

`grid.echo.meme`, [3](#)

`meme`, [4](#)

`meme_save`, [5](#)

`memeGrob`, [5](#)

`mm_caption`, [6](#)

`mmpplot`, [6](#)

`plot.meme (print.meme)`, [7](#)

`print.meme`, [7](#)