Package 'shadowtext'

July 18, 2024

Title Shadow Text Grob and Layer

Version 0.1.4

Description Implement shadowtextGrob() for 'grid' and geom_shadowtext() layer for 'ggplot2'.
These functions create/draw text grob with background shadow.

Depends R (>= 3.4.0)

Imports ggplot2, grid, scales

Suggests knitr, rmarkdown, prettydoc

VignetteBuilder knitr

License Artistic-2.0

Encoding UTF-8

URL https://github.com/GuangchuangYu/shadowtext/

BugReports https://github.com/GuangchuangYu/shadowtext/issues

RoxygenNote 7.3.2

NeedsCompilation no

Author Guangchuang Yu [aut, cre]

Maintainer Guangchuang Yu <guangchuangyu@gmail.com>

Repository CRAN

Date/Publication 2024-07-18 07:00:01 UTC

Contents

---

element_shadowtext   *element_shadowtext*

Description

shadown text element for ggplot theme system

Usage

```
element_shadowtext(
  family = NULL,
  face = NULL,
  colour = NULL,
  size = NULL,
  hjust = NULL,
  vjust = NULL,
  angle = NULL,
  lineheight = NULL,
  color = NULL,
  margin = NULL,
  debug = NULL,
  bg.colour = "black",
  bg.color = NULL,
  bg.r = 0.1,
  inherit.blank = FALSE
)
```

Arguments

family	Font family
face	Font face ("plain", "italic", "bold", "bold.italic")
colour	text colour
size	text size in pts
hjust	horizontal justification (in [0, 1])
vjust	vertical justification (in [0, 1])
angle	text angle
lineheight	line height
color	aliase to colour
margin	margins around the text, see also 'margin()' for more details
debug	if 'TRUE', aids visual debugging by drawing a solic rectangle behind the complete text area, and a point where each label is anchored.
bg.colour	the background colour of text, default is black.
bg.color	the alias of bg.colour,
bg.r	background ratio of shadow text.
inherit.blank	whether inherit 'element_blank'

Value

element_shadowtext object

Author(s)

Guangchuang Yu and xmarti6@github

| GeomShadowText | *GeomShadowText* |

Description

ShadowText Geom

Usage

```
GeomShadowText
```

Format

An object of class `GeomShadowText` (inherits from `Geom`, `ggproto`, `gg`) of length 7.

Author(s)

Guangchuang Yu

| geom_shadowtext | *geom_shadowtext* |

Description

a shadow version of geom_text

Usage

```
geom_shadowtext(
  mapping = NULL,
  data = NULL,
  stat = "identity",
  position = "identity",
  ...,
  parse = FALSE,
  nudge_x = 0,
  nudge_y = 0,
  check_overlap = FALSE,
  na.rm = FALSE,
```

```
    show.legend = NA,
    inherit.aes = TRUE
)
```

Arguments

mapping	aesthetic mapping
data	the data to be displayed
stat	statistical transformation
position	position adjustment
...	additional parameter
parse	whether parse text as expression
nudge_x	horizontal adjustment of text
nudge_y	vertical adjustment of text
check_overlap	whether check overlap
na.rm	whether remove NA values
show.legend	whether show legend
inherit.aes	whether inherit aes from ggplot

Value

layer

Author(s)

guangchuang yu

Examples

```
library(ggplot2)
d <- data.frame(x = rnorm(3), y=rnorm(3), label = c('hello', 'world', '!!!'))
ggplot(d, aes(x,y)) + geom_shadowtext(aes(label=label, color=label), bg.colour='firebrick')
```

---

shadowtextGrob	*shadowtextGrob*

Description

create and draw text

Usage

```
shadowtextGrob(
  label,
  x = unit(0.5, "npc"),
  y = unit(0.5, "npc"),
  just = "centre",
  hjust = NULL,
  vjust = NULL,
  rot = 0,
  check.overlap = FALSE,
  default.units = "npc",
  name = NULL,
  gp = gpar(col = "white"),
  vp = NULL,
  bg.colour = "black",
  bg.r = 0.1
)

grid.shadowtext(
  label,
  x = unit(0.5, "npc"),
  y = unit(0.5, "npc"),
  just = "centre",
  hjust = NULL,
  vjust = NULL,
  rot = 0,
  check.overlap = FALSE,
  default.units = "npc",
  name = NULL,
  gp = gpar(col = "white"),
  vp = NULL,
  bg.colour = "black",
  bg.r = 0.1,
  draw = TRUE
)
```

Arguments

label	text labels
x	x position
y	y position
just	The justification of the text, can be 'left', 'right', 'center', 'bottom' and 'top'
hjust	horizontal adjustment
vjust	vertical adjustment
rot	angle to rotate the text
check.overlap	whether check for and omit overlapping text

default.units	default unit of x and y
name	identifier
gp	gpar object
vp	viewport object
bg.colour	background color of shadow text
bg.r	background ratio of shadow text
draw	whether draw the grob

Value

grob object

Author(s)

guangchuang yu

Index