Package ‘shadowtext’

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Title Shadow Text Grob and Layer
Version 0.1.2
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 7.1.2
NeedsCompilation no

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Description

shadow 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,
  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 alias 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.
inherit.blank whether inherit 'element_blank'

Value

element_shadowtext object
GeomShadowText

**Author(s)**
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**Description**
ShadowText Geom

**Usage**
GeomShadowText

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

**Author(s)**
Guangchuang Yu

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**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

```r
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')
```

Description

create and draw text

Usage

```r
shadowtextGrob(
  label,
  x = unit(0.5, "npc"),
  y = unit(0.5, "npc"),
  just = "centre",
  hjust = NULL,
  vjust = NULL,
```
shadowtextGrob

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
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