

Package ‘shadowtext’

April 22, 2022

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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Repository CRAN

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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,
  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. |
| inherit.blank | whether inherit 'element_blank' |

Value

element_shadowtext object

Author(s)

Guangchuang Yu and xmarti6@github

| | |
|----------------|-----------------------|
| GeomShadowText | <i>GeomShadowText</i> |
|----------------|-----------------------|

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 | <i>geom_shadowtext</i> |
|-----------------|------------------------|

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

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