

Package ‘scatterpie’

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Title Scatter Pie Plot

Version 0.2.0

Description Creates scatterpie plots, especially useful for plotting pies on a map.

Depends R (>= 4.1.0), ggplot2

Imports ggforce, rlang, ggfun, stats, tidyr, dplyr, utils

Suggests knitr, rmarkdown, prettydoc, maps, scales

VignetteBuilder knitr

License Artistic-2.0

Encoding UTF-8

RoxygenNote 7.2.3

NeedsCompilation no

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geom_scatterpie *geom_scatterpie*

Description

scatter pie plot

Usage

```
geom_scatterpie(  
  mapping = NULL,  
  data,  
  cols,  
  pie_scale = 1,  
  sorted_by_radius = FALSE,  
  legend_name = "type",  
  long_format = FALSE,  
  ...  
)
```

Arguments

mapping	aes mapping
data	data
cols	cols the pie data
pie_scale	amount to scale the pie size if there is no radius mapping exists
sorted_by_radius	whether plotting large pie first
legend_name	name of fill legend
long_format	whether use long format of input data
...	additional parameters

Value

layer

Author(s)

Guangchuang Yu

Examples

```
library(ggplot2)
d <- data.frame(x=rnorm(5), y=rnorm(5))
d$A <- abs(rnorm(5, sd=1))
d$B <- abs(rnorm(5, sd=2))
d$C <- abs(rnorm(5, sd=3))
ggplot() + geom_scatterpie(aes(x=x, y=y), data=d, cols=c("A", "B", "C")) + coord_fixed()
d <- tidyr::gather(d, key="letters", value="value", -x:-y)
ggplot() + geom_scatterpie(aes(x=x, y=y), data=d, cols="letters", long_format=TRUE) + coord_fixed()
```

geom_scatterpie_legend
geom_scatterpie_legend

Description

legend of scatterpie

Usage

```
geom_scatterpie_legend(  
  radius,  
  x,  
  y,  
  n = 5,  
  labeller,  
  label_position = "right",  
  ...  
)
```

Arguments

radius	radius vector
x	x position
y	y position
n	number of circle
labeller	function to label radius
label_position	a character string indicating the position of labels, "right" (default) or "left" or any abbreviation of these
...	other text arguments passed on to ggplot2::layer()

Value

layer

Author(s)

Guangchuang Yu

recenter	<i>recenter</i>
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Description

re-center map data

Usage

```
recenter(mapdata, center, longitude_column = "long")
```

Arguments

mapdata	map data, should be a data.frame
center	center
longitude_column	longitude column

Value

updated map data

Author(s)

ygc

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