

Package ‘scatterpie’

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Title Scatter Pie Plot

Version 0.2.1

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

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Encoding UTF-8

RoxygenNote 7.2.3

NeedsCompilation no

Author Guangchuang Yu [aut, cre] (<<https://orcid.org/0000-0002-6485-8781>>),
Shuangbin Xu [ctb] (<<https://orcid.org/0000-0003-3513-5362>>)

Maintainer Guangchuang Yu <guangchuangyu@gmail.com>

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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,
  breaks = NULL,
  labeller,
  label_position = "right",
  ...
)
```

Arguments

radius	radius vector
x	x position
y	y position
n	number of circle
breaks	A character vector of breaks, default is NULL.
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 <code>ggplot2::layer()</code>

Value

layer

Author(s)

Guangchuang Yu

`recenter`*recenter*

Description

re-center map data

Usage`recenter(mapdata, center, longitude_column = "long")`**Arguments**

<code>mapdata</code>	map data, should be a data.frame
<code>center</code>	center
<code>longitude_column</code>	longitude column

Value

updated map data

Author(s)

ygc

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