

Package ‘scatterpie’

September 3, 2022

Title Scatter Pie Plot

Version 0.1.8

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

Depends R (>= 3.4.0), ggplot2

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

Suggests knitr, rmarkdown, prettydoc, maps, scales

VignetteBuilder knitr

License Artistic-2.0

Encoding UTF-8

RoxygenNote 7.2.1

NeedsCompilation no

Author Guangchuang Yu [aut, cre] (<<https://orcid.org/0000-0002-6485-8781>>)

Maintainer Guangchuang Yu <guangchuangyu@gmail.com>

Repository CRAN

Date/Publication 2022-09-03 06:30:02 UTC

R topics documented:

geom_scatterpie	2
geom_scatterpie_legend	3
recenter	4
Index	5

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)
```

Arguments

radius	radius vector
x	x position
y	y position
n	number of circle
labeller	function to label radius

Value

layer

Author(s)

Guangchuang Yu

recenter	<i>recenter</i>
----------	-----------------

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

Index

geom_scatterpie, 2
geom_scatterpie_legend, 3
recenter, 4