

# Package ‘scatterpie’

September 9, 2020

**Title** Scatter Pie Plot  
**Version** 0.1.5  
**Description** Creates scatterpie plots, especially useful for plotting pies on a map.  
**Depends** R (>= 3.4.0), ggplot2  
**Imports** ggforce, rlang, rvcheck, stats, tidyr, utils  
**Suggests** knitr, prettydoc, maps  
**VignetteBuilder** knitr  
**License** Artistic-2.0  
**Encoding** UTF-8  
**LazyData** true  
**RoxygenNote** 7.1.1  
**NeedsCompilation** no  
**Author** Guangchuang Yu [aut, cre] (<<https://orcid.org/0000-0002-6485-8781>>)  
**Maintainer** Guangchuang Yu <[guangchuangyu@gmail.com](mailto:guangchuangyu@gmail.com)>  
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## R topics documented:

geom_scatterpie . . . . .	2
geom_scatterpie_legend . . . . .	3
recenter . . . . .	4
<b>Index</b>	<b>5</b>

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geom_scatterpie	<i>geom_scatterpie</i>
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## 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()
```

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geom_scatterpie_legend
<i>geom_scatterpie_legend</i>

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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

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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

# Index

geom\_scatterpie, [2](#)  
geom\_scatterpie\_legend, [3](#)  
recenter, [4](#)