

# Package ‘scatterpie’

April 23, 2021

**Title** Scatter Pie Plot

**Version** 0.1.6

**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, rmarkdown, prettydoc, maps

**VignetteBuilder** knitr

**License** Artistic-2.0

**Encoding** UTF-8

**RoxygenNote** 7.1.1

**NeedsCompilation** no

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**Repository** CRAN

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geom\_scatterpie      *geom\_scatterpie*

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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

*geom\_scatterpie\_legend*

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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

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