Package 'centralplot'

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Type Package

Title Show the Strength of Relationships Between Centre and Peripheral Items

Version 0.1.0

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Description The degree of correlation between centre and peripheral items are shown by the length of the line between them. You can self-define the length by inputing the ``distance" parameter. For example, you can input (1 - Pearson's correlation coefficient) as ``distance" so that the stronger the correlation between centre and peripheral item, the nearer they will be in this plot. Also, If you do a hypothesis test and the null hypothesis is centre and peripheral items are the same, you can input -log(P) as distance. To sum up, the stronger the correlation between centre and peripheral is, the smaller the ``distance" parameter should be. Due to its high degree of freedom, it can be applied to many different circumstance.

License GPL-2

Encoding UTF-8

LazyData true

Depends ggplot2

NeedsCompilation no

Repository CRAN

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R topics documented:

centralplot *centralplot*

Description

Show the relationships between centre and peripheral items.

Usage

```
centralplot(centrename, dataname, distance, bound, title = "centralplot",
color = "#267ED6", size = 3.5, boundarycolor = "#EF715E", boundarysize = 1,
centretextsize = 3, alpha = 0.5)
```

Arguments

centrename	Name of the centre.
dataname	Name of peripheral items.
distance	Distance between centre and peripheral items.
bound	A ceriterion to judge whether the relationship is close enough.
title	Title of the plot.
color	Color of peripheral items.
size	Size of peripheral items.
boundarycolor	Color of the boundary line.
boundarysize	Size of the boundary line.
centretextsize	Size of the text for the centre.
alpha	

Author(s)

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Examples

```
name <- c('a','b','c')
distance <- c(1,2,3)
bound <- 2.5
centralplot("centre",name,distance,bound)
```

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