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 inputting 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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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 criterion 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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