Package ‘gatepoints’

February 23, 2021

Title  Easily Gate or Select Points on a Scatter Plot
Version  0.1.4
Description  Allows user to choose/gate a region on the plot and returns points within it.
Depends  R (>= 3.0.0)
License  GPL (>= 2)
Encoding  UTF-8
LazyData  true
RoxygenNote  7.1.1
Suggests  testthat, knitr, rmarkdown
VignetteBuilder  knitr

URL  https://github.com/wjawaid/gatepoints
NeedsCompilation  no
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R topics documented:

fhs  ................................................................. 2
gatepoints  ...................................................... 3

Index  4
Description
Freehand select

Usage
fhs(data, mark = TRUE, names = TRUE, ...)

Arguments
data Data frame or matrix of co-ordinates. (x,y) co-ordinates for each point will be on rows. Rownames of selected points will be returned.
mark Default TRUE. Predicate marking of selected points.
names Default TRUE. If TRUE will return rownames of data frame with points within polygon. If FALSE will return logical vector.
... Additional parameters passed to points.

Details
Freehand select function. First generate a 2D plot using R’s plot function, then select gate region by left clicking. Close polygon by right clicking. The function will return the rownames of the enclosed points by the rownames of the co-ordinates given in data.

Value
Returns character vector of rownames of the selected points from data if names parameter is TRUE. If names is FALSE then a logical vector indicating whether points are in the polygon is returned.

Author(s)
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Examples
## Not run:
x <- cbind(1:10, 1:10)
rownames(x) <- 1:10
plot(x, pch = 16, col = "red")
fhs(x)
## End(Not run)
Description

Allows user to gate a region on a plot and returns points within it.
Index

fhs, 2

gatepoints, 3

points, 2