Package 'gatepoints'

May 8, 2026

Title Easily Gate or Select Points on a Scatter Plot

Version 0.1.5

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

RoxygenNote 7.2.3

Suggests testthat, knitr, rmarkdown

VignetteBuilder knitr

URL https://github.com/wjawaid/gatepoints

NeedsCompilation no

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Repository CRAN

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fhs *Freehand select*

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 th 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)

Wajid Jawaid

Examples

```
## Not run:
x <- cbind(1:10, 1:10)
rownames(x) <- 1:10
plot(x, pch = 16, col = "red")
fhs(x)

## End(Not run)
```

gatepoints *gatepoints.*

Description

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

Author(s)

Maintainer: Wajid Jawaid <wj241@alumni.cam.ac.uk>

See Also

Useful links:

- https://github.com/wjawaid/gatepoints

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