Package ‘PlotContour’

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Type Package
Title Plot Contour Line
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Description This function plots a contour line with a user-defined probability and tightness of fit.
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R topics documented:

PlotContour

Description

This function plots a contour line with a user-defined probability and tightness of fit on an existing plot.

Usage

PlotContour(Data, Probability, BandWidthX, BandWidthY, Colour)
Arguments

Data: An n by 2 matrix of data points around which the contour will be drawn.

Probability: The proportion of points which should be within the contour line drawn.

BandWidthX: The tightness of fit of the contour line along the x-axis. This value will be proportional to the scale of the axis.

BandWidthY: The tightness of fit of the contour line along the y-axis. This value will be proportional to the scale of the axis.

Colour: Colour of the line to be drawn.

Author(s)
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Examples

#Plot a regular scatter plot
plot(iris$Sepal.Length, iris$Sepal.Width)

#Plot a contour line encompassing 75% of the points
PlotContour(iris[,1:2], 0.75, 0.5, 0.25, "red")
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