Package 'PlotContour'

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Type Package

Title Plot Contour Line

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Depends KernSmooth (>= 2.23-15), MASS (>= 7.3-33)

Description This function plots a contour line with a user-defined probability and tightness of fit.

License GPL-2

Encoding UTF-8

LazyData true

NeedsCompilation no

Repository CRAN

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`PlotContour` *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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