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Subject: Re: isodensity contours  
Posted by [pgrigis](#) on Wed, 23 Feb 2011 19:12:50 GMT  
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On Feb 23, 1:24 pm, Gray <grayliketheco...@gmail.com> wrote:

> Hi all,  
>  
> I have a scatterplot with a bunch of points on it. I'd like to plot  
> isodensity contours to include 99%, 90%, 75%, and 50% of my points.  
> How do I set up my data to give to cgContour? Thanks!  
>  
> --Gray

If I understand this correctly, you have two arrays  
x and y of coordinates of N points.

To contour them, you need first to create a  
density array from your dataset - basically  
you divide the xrange and yrange of your data  
in a number of bins and the density array will  
tell you how many points lie in each bin.

Then you can use the normal contour procedures.

So how you do partition the data into the density  
array? hist\_2d will do that for you.

Ciao,  
Paolo

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