Subject: Re: Overplot data on a 2d histogram
Posted by penteado on Thu, 28 Oct 2010 00:29:18 GMT
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On Oct 27, 10:11 pm, "Jeff N." <jeffnettles4...@gmail.com> wrote:
> I mostly use IDL to write custom routines for ENVI, so I don't usually
> have to use IDL's plotting routines very much. But I'm slowly but
> surely developing a need to plot some 2d histograms for a couple
> projects i'm working on. I can make the 2d histograms with HIST_2D()
> (or J.D.'s HIST_ND) with no trouble. And I can also display the
> resulting image with no trouble, even with axes on the image if i'd
> like. But the axes would have pixel coordinates as values, where i'd
> like the axes to have values of the data that went into the hist_2d.
> And then I'd like to be able to overplot stuff (more points,
> polygons,etc.) on the plot, in the dataspace of the original data of
> course (not the pixel coords of the histogram image). This is a more
> complicated plot than i'm used to making :(Can anyone give me some
> pointers about the best way to approach this? I really don't even
> care which graphics system - whatever's simplest! :)

Sounds like you might want something like

IDL> imd=dist(200);make up some data to display
IDL> im=image(imd,
5.75+dindgen(200)*0.0093,-17.+dindgen(200)*0.00595,axis_styl e=2)

The first argument to image is the 2D array with the data, the second
is a 1D array with the x location of each column, and the third is a
1D array with the y location of each line.

Subject: Re: Overplot data on a 2d histogram
Posted by jeffnettles4870 on Thu, 28 Oct 2010 01:06:33 GMT
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On Oct 27, 8:29 pm, Paulo Penteado <pp.pente...@gmail.com> wrote:
> On Oct 27, 10:11 pm, "Jeff N." <jeffnettles4...@gmail.com> wrote:
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> 1D array with the y location of each line.

Perfect! So simple! I'd spent all my time pouring over the help for
the PLOT() function, didn't even think to look at IMAGE() first :(

Thanks Paulo!