
Subject: 2D histogram color plot
Posted by [cwodell](#) on Mon, 25 Oct 2004 16:31:33 GMT
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Hi everyone,

I need to make a scatter plot between 2 variables, x and y. Problem is that the number of (x,y) pairs is VERY large, so you can't really see what's going on in the scatter plot. I therefore would like to make color scatter plot, where the color in a certain x,y bin is related to the density of points in that bin. I see that hist_2d can create the physical array that I need, but then you need tv or tvscl or something to plot it. Does anyone have a program that will do all of this in one go? I.e, call hist_2d, and then make a nice plot?

Thanks,
Chris

Subject: Re: 2D histogram color plot
Posted by [laura.hike](#) on Thu, 29 Jun 2017 01:08:25 GMT
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Hi,

I basically have the same problem, but since this question was first asked/answered in 2004, I was wondering whether there is a native IDL function available now to make this kind of plot. I also ran hist_2d, but have been trying use IMAGE to make the plot, but it's not working. (The array is 20x20, so the plot comes out tiny no matter what I do.)

Thanks,

Laura

Subject: Re: 2D histogram color plot
Posted by [laura.hike](#) on Thu, 29 Jun 2017 01:11:44 GMT
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Of course I would also like to have labeled axes, etc., on the plot.
