
Subject: Re: Overplotting 50% lines

Posted by [David Fanning](#) on Mon, 14 Jun 2004 12:06:34 GMT

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Mark Douglas writes:

- > I have a plot consisting of a strictly decreasing set of data (a
- > distribution - percent of y greater than x) and I would like to
- > overplot a 50% line onto this, that is one that comes across from 0.5
- > on the y-axis, stops when it intersects the graph, then goes down to
- > the x-axis.
- >
- > No matter what I do I can't get it to work. I'm either missing
- > something really obvious or this is impossible. Any help please?

Seems to me the only "trick" will be finding the point of intersection. I'd probably use VALUE_LOCATE to get close, then interpolate (a simple linear interpolation will work if your data is reasonably spaced) between that point and the next. A couple of PLOTS commands would draw the lines.

You can find a similar, although not exact, approach to the problem here:

http://www.dfanning.com/graphics_tips/fillarea.html

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
