Subject: Re: normal probability plot
Posted by dietpoel on Thu, 19 Mar 2015 16:40:08 GMT
View Forum Message <> Reply to Message

Op vrijdag 13 maart 2015 16:29:35 UTC+1 schreef rrya...@gmail.com:
> On Friday, March 13, 2015 at 3:46:42 AM UTC-4, diet...@gmail.com wrote:
>> Dear IDL users,
>>
>> I would like to make in IDL a normal probability plot: The x-axis is just a log-scale, while the y-axis is a special axis, chosen in such a way that when the data are normally distributed, it would tend to yield a straight line. I find on the net that it is possible to create such a plot in 'matlab (normplot)' or in 'R', but because I am used to work in IDL, i was wondering if you know of such a possibility?
>
> I've never heard of doing such a thing, but this would be my first guess...
>
> Whenever I hear that a there is a straight line in a plot, I think you're plotting x vs. x to some extent. That said, I would think something like this might be what you're after
>
> h=histogram(randomn(seed,10000),locations=b,min=-5,max=5,bin =0.1)
>
> plot,exp(-0.5*b^2),h,ps=2
>
> Is that close to what you had in mind?
>
> -Russell

Dear Russell,

sorry for this late reply to your answer above. It is not really what I am looking for, and is hard to describe in words. Hereafter a link I've found on the web. The second figure of this page uses a less ordinary y-axis. It is such a y-axis I would like to create in IDL if possible:
http://www.oswego.edu/~srp/stats/normal_prb_plot.htm