Subject: Re: Frustrated by 2 Data Plotting problems
Posted by David Fanning on Fri, 27 May 2011 18:28:43 GMT
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Paul van Delst writes:

> Dunno about the OP, but plotting lots and lots of points (i.e. scatter plot) can tell you a lot about the relationships
> in, and between, datasets. Especially if datasets derived using different algorithms/input-data/whatever are
> scatter-plotted with different colours. (a meaningless scatterplot scenario: red points show a linear dependency with a
> negative bias, the blue quadratic with a positive bias, and the green linear/+ve bias for low wind speeds, but inverted
> quadratic for higher windspeeds)
>
> I could also see plotting individual points using a color gradient to include, say, time information in said
> scatter-y-type plot.
>
> It wouldn't be the only way I would look at a dataset, but it is still a useful visualisation of the data.

I don't have any problem with scatterplots. I'm
just saying that you can't realistically "see"
4 million points on a line plot unless your
monitor is the size of, say, the Vietnam
Memorial wall!

I wonder how your visualization would differ
if you randomly selected one percent of those
points and plotted those. I would guess the
plot would not look materially different,
although the rendering speed might improve
dramatically. :-)

Cheers,

David

--
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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")