
Subject: Re: Bar plotting in IDL
Posted by [David Fanning](#) on Wed, 22 Jan 2014 15:33:13 GMT
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Madhavan Bomidi writes:

> I get the error as below:
>
> (1) CGAXIS -> Keyword array parameter XTICKNAME must have from 1 to 60 elements.
>
> (2) I get the figure with bars but I don't see my xnos or x-axis labels are matching with my xnos.
For example, the last value of ydata is 90 and the bar for this value is shown at an xnos=94.
>
> My understanding for using bar plot may be wrong!!! Can anyone help me resolve the issues I
am facing?

You are running into the same problem you ran into yesterday. IDL has a limitation on the number of labels it can put on an axis (60 apparently). Each bar plot uses a label in this code.

I think I would try to write something like the Error Estimate Plot in the Coyote Plot Gallery, where instead of plotting errors you plot the median value with the quadrilles on either side of it. Not sure what you should do with outliers in that case, but maybe they don't matter.

Or, I suppose you can try overplotting no more than 60 values at a time on the plot. The code is pretty clunky. It was a direct port of the IDL routine. But, it is possible to do some nice things with it.

http://www.idlcoyote.com/cg_tips/barplot.php

Cheers,

David

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