
Subject: Re: Bar plotting in IDL

Posted by [Matthew Argall](#) on Wed, 22 Jan 2014 15:30:38 GMT

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```
> cgBarPlot,ydata,BARCOORDS=xnos,XStyle=1, $
>     XTitle=xtitle4,YTitle=ytitle4,Font=-1, $
>     YRange=[0,100],XRange=[0,100], $
>     colors=['cornflower blue'],/Overplot
```

> (1) CGAXIS -> Keyword array parameter XTICKNAME must have from 1 to 60 elements.

The BARCOORDS keyword is the value or name of each bar on your barplot. The bars are labelled with the XTICKNAME to cgAxis. IDL only allows up to 60 tick names while your "xnos" variable has more than 60 elements. Try picking a smaller subset of your data so that data points are binned into the bars. Otherwise each bar will have exactly 1 data point in it.

(also, try xnos = indgen(100)+1)

> (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.

I expect that fixing the first issue will fix this one too.
