Subject: Re: cgBoxPlot not responding to xCharsize
Posted by JP on Wed, 03 Jul 2013 01:26:52 GMT
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Thanks David, will try with the updated version.

RE !P.Multi, your explanation is useful as I have already noticed some funny things happening with fonts in some of your programs.

cheers
JP

On Tuesday, 2 July 2013 23:21:43 UTC+10, David Fanning wrote:
> JP writes:
>
>
>
>> It seems that cgBoxPlot is not responding to the xCharsize keyword. I
>
> tried the code below:
>
>>
>
>> PS_Start, 'cgHistoplot.png'
>
>> !P.Multi=[0,3,1]
>
>> labels=['var1','var2','var3','var4']
>
>> cgdisplay, 1000, 300
>
>> cgBoxPlot, randomn(seed, 4, 1000), labels=labels
>
>> cgBoxPlot, randomn(seed, 4, 1000), labels=labels, xCharsize=0.5
>
>> cgBoxPlot, randomn(seed, 4, 1000), labels=labels, xCharsize=0.25
>
>> PS_End, resize=100, /png
>
>
>
> Yes, I was using the XCharsize value incorrectly in this program. You
>
> can find an updated version here:
>
>

>
> http://www.idlcoyote.com/programs/cgboxplot.pro
>
>
>
> Unfortunately, this is not going to solve all your problems. :-)
>
>
>
> The larger problem here is doing multiple plots with !P.Multi. This
>
> method of doing multiple plots is great as long as you are willing to
>
> surrender all control over plot position and character size and rely
>
> completely on the !P.Multi algorithm to set these for you. But, if you
>
> wish to control this aspect of your plots (as I do in cgBoxPlot), then
>
> chaos is certain to ensue.
>
>
>
> In this particular case, since I am putting plot labels on with XYOutS,
>
> there will be a terrible mismatch between the size of the plot
>
> annotation, which is under the influence of !P.Multi, and the plot
>
> labels, which are not. Basically, you will never be able to get the two
>
> sizes to match! (Or, if you do, immediately call me with the algorithm
>
> you used!)
>
>
>
> Download the updated program, then consider this code. Here is how you
>
> are doing things now.
>
>
>
> !P.Multi=[0,3,1]
>
> labels=['var1','var2','var3','var4']
>
> cgdisplay, 1000, 300, wid=1

```
>
>  cgBoxPlot, randomn(seed, 4, 1000), labels=labels
>
>  cgBoxPlot, randomn(seed, 4, 1000), labels=labels, xCharsize=0.75
>
>  cgBoxPlot, randomn(seed, 4, 1000), labels=labels, xCharsize=1.25
>
>  !P.multi=0
>
>
>
>  You can see the plot annotations are all over the map!
>
>
>
>  In this case, it will make a LOT more sense to use cgLayout to set up
>
>  your plot positions, which will allow you to control your plot
>
>  annotations exactly. There will be no interference from !P.Multi.
>
>
>
>  See how much more sense this way of drawing the plots makes.
>
>
>
>  positions = cgLayout([3,1], xGap=5, oxMargin=[5,5], $
>
>     oyMargin=[5,3])
>
>  labels=['var1','var2','var3','var4']
>
>  cgdisplay, 1000, 300
>
>  cgBoxPlot, randomn(seed, 4, 1000), labels=labels, $
>
>     Position=positions[*,0]
>
>  cgBoxPlot, randomn(seed, 4, 1000), labels=labels, $
>
>     Position=positions[*,1], /NoErase, XCharsize=0.75, $
>
>     Charsize=0.75
>
>  cgBoxPlot, randomn(seed, 4, 1000), labels=labels, $
>
>     Position=positions[*,2], /NoErase, XCharsize=1.25, $
```

>
>   Charsize=1.25
>
>
>
>
>
>
> Cheers,
>
>
>
> David
>
>
>
> --
>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")
