
Subject: Custom X Aix with Barplot

Posted by [tballinger6](#) on Mon, 02 Nov 2015 21:33:07 GMT

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Hi All,

Using IDL 8.5, I've tried to plot the following data with custom barplot labels indicating each month (listed by "labels" array) below each corresponding bar, but instead of month labels my graphic shows 0-12 under each bar. Any tips on correcting this based on my code below?

```
FULL = [5229.22, 5231.94, 5248.80, 5307.62, 5428.88, 5533.35, 5595.26, 5561.39, $ 5452.43, 5321.89, 5252.18, 5225.34]
```

```
;Months are commented out within script
```

```
;Months = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]
```

```
Labels = ['J', 'F', 'M', 'A', 'M', 'J', 'J', 'A', 'S', 'O', 'N', 'D']
```

```
; Define the first barplot and the axes and titles
```

```
b1 = BARPLOT(FULL, Labels, INDEX=0, NBARS=4, FILL_COLOR='gold', YRANGE=[5200,$ 5700], YMINOR=0, YTITLE='Geopotential Heights (m)', XTITLE='Months', TITLE='')
```

Thanks,

Tom

Subject: Re: Custom X Aix with Barplot

Posted by [zacharyanorman](#) on Wed, 04 Nov 2015 22:12:43 GMT

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Hi Tom,

Here is an easy way that I can think of to do this:

```
FULL = [5229.22, 5231.94, 5248.80, 5307.62, 5428.88, $ 5533.35, 5595.26, 5561.39, 5452.43, 5321.89, 5252.18, 5225.34]
```

```
;Months are commented out within script
```

```
monthnumber = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]
```

```
; Define the first barplot and the axes and titles
```

```
b1 = BARPLOT(monthnumber, FULL, FILL_COLOR='gold', $ YRANGE=[5200, 5700], YMINOR=0, YTITLE='Geopotential Heights (m)', $ XTITLE='Months', XMAJOR = 14, xminor = 0, TITLE="", XRANGE = [0,13])
```

```
;manually replace the ticknames (labels)
ticklabels =['J', 'J', 'F', 'M', 'A', 'M', $
            'J', 'J', 'A', 'S', 'O', 'N', 'D',"']
xaxis = (b1.axes)[0]
xaxis.tickname = ticklabels
```

The idea is just to replace the ticknames for the x axis with the abbreviations for the months of the year. Hope this helps!

-Zach (Exelis VIS)

Subject: Re: Custom X Aix with Barplot
Posted by [tballinger6](#) on Mon, 09 Nov 2015 14:21:44 GMT
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On Wednesday, November 4, 2015 at 4:12:48 PM UTC-6, Zachary Norman wrote:

```
> Hi Tom,
>
>
> Here is an easy way that I can think of to do this:
>
> FULL = [5229.22, 5231.94, 5248.80, 5307.62, 5428.88, $
>         5533.35, 5595.26, 5561.39, 5452.43, 5321.89, 5252.18, 5225.34]
>
> ;Months are commented out within script
> monthnumber = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]
>
> ; Define the first barplot and the axes and titles
> b1 = BARPLOT(monthnumber, FULL, FILL_COLOR='gold', $
>             YRANGE=[5200, 5700], YMINOR=0, YTITLE='Geopotential Heights (m)', $
>             XTITLE='Months', XMAJOR = 14, xminor = 0, TITLE="", XRANGE = [0,13])
>
> ;manually replace the ticknames (labels)
> ticklabels =['J', 'J', 'F', 'M', 'A', 'M', $
>             'J', 'J', 'A', 'S', 'O', 'N', 'D',"']
> xaxis = (b1.axes)[0]
> xaxis.tickname = ticklabels
>
> The idea is just to replace the ticknames for the x axis with the abbreviations for the months of
the year. Hope this helps!
>
> -Zach (Exelis VIS)
```

Hi Zach,

That makes sense and helps a lot!

Thanks so much,

Tom
