
Subject: Re: BAR_PLOT restricted to 60 element ARRAY??

Posted by [Ben Panter](#) on Fri, 08 Jul 2005 11:11:54 GMT

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liko2@o2.pl wrote:

> Did you try this wit array containing several exacly the same values?It
> still creates one bar for this case...

We may be talking at cross purposes, but in my tests it didn't. I can see I was a little too cryptic with n_elements. See the program below for what I meant.

Save and compile the program at the end of this message, and with the same x and y as before try this:

```
IDL> bp_plot_barchart, x,y, title='fred'  
IDL> y[10:20]=0.6  
IDL> bp_plot_barchart, x,y, title='fred'
```

which certainly draws lines between the 11 bars of the same height.

PROGRAM:

```
PRO bp_plot_barchart, x, y, _extra=e
```

```
;Make the initial plot
```

```
num_bar=n_elements(x)
```

```
plot, x, y, psym=10, _extra=e
```

```
;find midpoints for x ordinate of line
```

```
midpt=x[0:num_bar-2]+0.5*(x[1:num_bar-1]-x[0:num_bar-2])
```

```
;draw the lines
```

```
for i=0,num_bar-2 do plots, [midpt[i],midpt[i]], $  
  [!y.crangle[0],max([y[i],y[i+1]])]
```

```
END
```

```
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```

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```
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