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 exactly 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.crange[0],max([y[i],y[i+1]])]

END

-=---Ben Panter, Garching, Germany email via www.benpanter.co.uk