Subject: Re: axis and the like

Posted by davidf on Fri, 05 Dec 1997 08:00:00 GMT

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Kevin Ivory and Tim Osborn both came up with the same method for suppressing axis labels. Kevin wrote:

> Just for the records: there is another way of doing it

>

Use XTICKFORMAT='NOLABEL'

>

> and keep the function NOLABEL somewhere:

>

- > function NOLABEL, axis, index, value
- > ; function for the graphics keyword tickformat
- > ; returns an empty string for no tick annotation
- > return, "
- > end

This is a method I should have thought of myself. :-)

But what I've always done (and I am ashamed to say I don't even *really* know why it works) is this:

Plot, data, XTickformat='(A1)'

Nuts, now I'm going to have to think up a new question for admission into the IDL Expert Programmers Association. :-(

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: axis and the like

Posted by f055 on Fri, 05 Dec 1997 08:00:00 GMT

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- -The other thing I came across today again (it happens about once every
- -two months, but I always forget the solution to it) is how to switch off
- -the axis labeling (answer: [xyz]tick... -see, I forgot again- ...name =

```
-replicate(" ",30) ). This is useful if one wants to stack a few plots
-that share a common x axis and display different species or the same
-species at different altitudes etc. Wouldn't it be nice to have a simple
-/NOLABEL option with the plot command? In fact, this would have one
-other advantage (or do I miss something here?): If you loop through your
-plots, you could write something like:
    for i=0,nplots-1 do begin
       !p.position=[llx,lly(i),llx+wx,lly(i)+wy]
       if (i eq 0) then nolabel=0 else nolabel=1
       plot,x,y(i,*),...,nolabel=nolabel
    endfor
-I don't see any way how one could do this now, except copying the plot
-command with all the thousand parameters and have one including the
-tickname statement and the other without.
The way I do it is (if I want a stack of plots with just the last one
having a labelled x-axis):
!y.margin=[0,0]
!y.omargin=[4,2]
for i = 0, nplots-1 do begin
 if !p.multi(0) eq 1 then xtf='nolabels' else xtf="
 plot,x,y(i,*),...,xtickformat=xtf
endfor
and I have the following function in my IDL library directory:
function nolabels, axis, index, value
return.' '
end
Not quite as good as a /nolabels option, but it's easier to remember than
other methods
Tim
...... Dr Tim Osborn
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.....UK
```

Subject: Re: axis and the like Posted by Kevin Ivory on Fri, 05 Dec 1997 08:00:00 GMT

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Martin Schultz wrote:
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>

>

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- > two months, but I always forget the solution to it) is how to switch off
- > the axis labeling (answer: [xyz]tick... -see, I forgot again- ...name =
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Just for the records: there is another way of doing it

Use XTICKFORMAT='NOLABEL'

and keep the function NOLABEL somewhere:

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> plot,x,y(i,*),...,nolabel=nolabel
> endfor
```

> I don't see any way how one could do this now, except copying the plot

- > command with all the thousand parameters and have one including the
- > tickname statement and the other without.

/NOLABEL would be nice, but of course it is possible to have a single plot command:

endfor

Learn something new in IDL every day :-) Kevin

--

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