
Subject: Re: getting ytitle to span many plots
Posted by [David Fanning](#) on Fri, 10 Feb 2006 22:56:36 GMT
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Brigette Hesman writes:

- > It is just the y-axis title that I want to
- > change. I want it to be centered between the two plots so it does not
- > get duplicated twice.

A clear job for XYOUTS. It shouldn't take more than
an hour or so to figure out where to put the damn thing. :-)

Be aware that after you draw a plot, the system variables
!X.Window and !Y.Window are set to the location of the plot
axes, in normalized coordinates. That will help, maybe.
Then you should know there is an ORIENTATION keyword to
XYOUTS that allows you to rotate the text.

Good luck and God speed!

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Subject: Re: getting ytitle to span many plots
Posted by [Kenneth P. Bowman](#) on Sat, 11 Feb 2006 02:51:16 GMT
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In article <1139611727.460614.253760@g44g2000cwa.googlegroups.com>,
"Brigette Hesman" <bhesman@gmail.com> wrote:

- > I have tried the MULTILOT program listed here but it requires that
- > there be no labelling of the two x-axis... I need to be able to label
- > the x-axis separately. It is just the y-axis title that I want to
- > change. I want it to be centered between the two plots so it does not
- > get duplicated twice. Does anyone have any ideas?

Adobe Illustrator. Seriously, write the file as Postscript, open in
Illustrator, make it look good.

Cheers, Ken Bowman

Subject: Re: getting ytitle to span many plots
Posted by [David Fanning](#) on Sat, 11 Feb 2006 04:59:48 GMT
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Kenneth P. Bowman writes:

- > Adobe Illustrator. Seriously, write the file as Postscript, open in
- > Illustrator, make it look good.

I've got to tell you, this is one wacky newsgroup.
No wonder RSI doesn't want to have anything to do with
us! :-)

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
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Subject: Re: getting ytitle to span many plots
Posted by [Ben Panter](#) on Sun, 12 Feb 2006 07:22:44 GMT
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Brigette Hesman wrote:

- > I have tried the MULTIPLOT program listed here but it requires that
- > there be no labelling of the two x-axis... I need to be able to label
- > the x-axis separately. It is just the y-axis title that I want to
- > change. I want it to be centered between the two plots so it does not
- > get duplicated twice. Does anyone have any ideas?

Although the best solution is almost certainly to directly specify
POSITION keywords for the plots (with a /NOERASE for the second), then
XYOUTS as David suggests, you might have a go at padding the ytitle of
one of the plots with spaces. It's a rough and ready, clunky solution,
but it might just work.

```
y_tit='          y'
```

```
!p.multi=[0,1,2]  
plot, datax1, datay1, xtitle='x1'
```

plot, datax2, datay2, xtitle='x2', ytitle=y_tit

Ben

--

Ben Panter, Garching, Germany.

Email false, <http://www.benpanter.co.uk>

or you could try ben at ^^^^^^^^^^^^^^^

Subject: Re: getting ytitle to span many plots

Posted by [David Fanning](#) on Sun, 12 Feb 2006 15:51:55 GMT

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Ben Panter writes:

```
> Although the best solution is almost certainly to directly specify
> POSITION keywords for the plots (with a /NOERASE for the second), then
> XYOUTS as David suggests, you might have a go at padding the ytitle of
> one of the plots with spaces. It's a rough and ready, clunky solution,
> but it might just work.
>
> y_tit='          y'
>
> !p.multi=[0,1,2]
> plot, datax1, datay1, xtitle='x1'
> plot, datax2, datay2, xtitle='x2', ytitle=y_tit
```

Oh, dear. I think it is time for an intervention. Here, I came up with this in less than a minute:

```
!P.MULTI=[0,1,2]
Plot, Findgen(101), YTITLE="", XTitle='Stuff'
ytop = !Y.Window[0]
Plot, Findgen(10), YTITLE="", XTitle='More Stuff'
ybot = !Y.Window[1]
XYOuts, !X.Window[0]-0.05, (ytop-ybot)/2 + ybot, $
    'The Y Title', Alignment=0.5, Orientation=90, /Normal
!P.MULTI=0
```

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Subject: Re: getting ytitle to span many plots
Posted by [William Daffer](#) on Sun, 12 Feb 2006 17:57:31 GMT
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David Fanning <davidf@dfanning.com> writes:

> Kenneth P. Bowman writes:
>
>> Adobe Illustrator. Seriously, write the file as Postscript, open in
>> Illustrator, make it look good.
>
> I've got to tell you, this is one wacky newsgroup.
> No wonder RSI doesn't want to have anything to do with
> us! :-)
>

You want wacky? I'll give you wacky!

How about putting the title on using LaTeX?

Don't laugh, I have legacy operational scripts that do precisely that.

whd

--

BASTINADO, n. The act of walking on wood without exertion.

-- Ambrose Bierce: _The Devil's Dictionary_

Subject: Re: getting ytitle to span many plots
Posted by [news.qwest.net](#) on Sun, 12 Feb 2006 19:27:21 GMT
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"David Fanning" <davidf@dfanning.com> wrote in message
news:MPG.1e571d31cc8a269e989b7e@news.frii.com...

> Kenneth P. Bowman writes:
>
>> Adobe Illustrator. Seriously, write the file as Postscript, open in
>> Illustrator, make it look good.
>
> I've got to tell you, this is one wacky newsgroup.
> No wonder RSI doesn't want to have anything to do with
> us! :-)

Good thing I didn't post my solution of printing out the
plots and writing the title by hand on the paper, then scanning

it back into the computer. :o

-bob

Subject: Re: getting ytitle to span many plots
Posted by [Brigette Hesman](#) on Mon, 13 Feb 2006 15:43:50 GMT
[View Forum Message](#) <> [Reply to Message](#)

David Fanning wrote:

```
> !P.MULTI=[0,1,2]
> Plot, Findgen(101), YTITLE="", XTitle='Stuff'
> ytop = !Y.Window[0]
> Plot, Findgen(10), YTITLE="", XTitle='More Stuff'
> ybot = !Y.Window[1]
> XYOuts, !X.Window[0]-0.05, (ytop-ybot)/2 + ybot, $
>   'The Y Title', Alignment=0.5, Orientation=90, /Normal
> !P.MULTI=0
>
```

Thanks David... it works perfectly!
