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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- > 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?

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

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.

!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 View Forum Message <> Reply to Message

#### 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.

> > v tit

> 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 View Forum Message <> Reply to Message

"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 -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!