
Subject: Re: bar_plot and ploterr
Posted by [Maarten\[1\]](#) on Wed, 24 Jun 2009 13:44:29 GMT
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On Jun 24, 11:28 am, Nicolas Aunai <nicolas.au...@free.fr> wrote:
> Hello,
>
> I would like to add a point (with Y error bars) on the top of each bar
> in a plot like this one :
>
> http://nico.aunai.free.fr/thermal_fluxes.png
>
> My problem is that I can't figure out the x coordinate of the
> center of the bars...

I think they are [0,1,2,3,4,5], but you may want to show some code to be sure.

Maarten

Subject: Re: bar_plot and ploterr
Posted by [Nicolas Aunai](#) on Fri, 26 Jun 2009 07:21:17 GMT
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Maarten wrote:

>> My problem is that I can't figure out the x coordinate of the
>> center of the bars...
>
> I think they are [0,1,2,3,4,5], but you may want to show some code to
> be sure.

Hello,

tahnk you for your answer, here is an example :

```
device, decomposed=0,retain=2
loadct,39,/silent
tab = indgen(4)
bar_plot,tab
xyouts, 2,1,'does it work ?', /data,color=255
plots,1,1,psym=4,color=200
```

result : http://nau.cetp.ipsl.fr/bar_plot.png

Nico

Subject: Re: bar_plot and ploterr
Posted by [greg.addr](#) on Fri, 26 Jun 2009 09:42:09 GMT
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The required values are calculated inside the bar_plot routine, but not returned. A simple solution is to tag on a tickv=tickv to the end of the bar_plot declaration...

```
pro
  bar_plot, values, baselines=baselines, colors=colors, barnames=b arnamesIn,
$
    title=title, xtitle=xtitle, ytitle=ytitle, baserange=baserange,
$
    barwidth=barwidth, barspace=barspaceIn, baroffset=baroffset, $
    outline=outline, overplot=overplot, background=background, $
    rotate=rotate, tickv=tickv
```

Then you may modify your code like this:

```
bar_plot, tab, tickv=tickv
plots, tickv, 1, psym=4, color=200
xyouts, tickv[2], 1, 'does it work ?', /data, color=255
```

regards,
Greg

On Jun 26, 9:21 am, Nicolas Aunai <nicolas.au...@free.fr> wrote:

```
> Maarten wrote:
>>> My problem is that I can't figure out the x coordinate of the
>>> center of the bars...
>
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> Hello,
>
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> device, decomposed=0, retain=2
> loadct, 39, /silent
> tab = indgen(4)
> bar_plot, tab
> xyouts, 2, 1, 'does it work ?', /data, color=255
> plots, 1, 1, psym=4, color=200
```

>
> result :http://nau.cetp.ipsl.fr/bar_plot.png
>
> Nico

Subject: Re: bar_plot and ploterr
Posted by [Nicolas Aunai](#) on Fri, 26 Jun 2009 14:06:17 GMT
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thanks a lot, it works perfectly.

--
nico

greg wrote:

> The required values are calculated inside the bar_plot routine, but
> not returned. A simple solution is to tag on a tickv=tickv to the end
> of the bar_plot declaration...
>
> pro
> bar_plot,values,baselines=baselines,colors=colors,barnames=b arnamesIn,
> \$
> title=title,xtitle=xtitle,ytitle=ytitle,baserange=baserange,
> \$
> barwidth=barwidth,barspace=barspaceIn,baroffset=baroffset, \$
> outline=outline,overplot=overplot,background=background, \$
> rotate=rotate,tickv=tickv
>
> Then you may modify your code like this:
>
> bar_plot,tav,tickv=tickv
> plots,tickv,1,psym=4,color=200
> xyouts, tickv[2],1,'does it work ?', /data,color=255
>
> regards,
> Greg
>
> On Jun 26, 9:21 am, Nicolas Aunai <nicolas.au...@free.fr> wrote:
>> Maarten wrote:
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>> plots,1,1,psym=4,color=200
>>
>> result :http://nau.cetp.ipsl.fr/bar_plot.png
>>
>> Nico
>
```
