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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](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

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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](http://nau.cetp.ipsl.fr/bar_plot.png)

Nico

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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...
>
>> 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](http://nau.cetp.ipsl.fr/bar_plot.png)  
>  
> Nico

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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,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](mailto: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...

>>> 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  
>
```

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