
Subject: Adding line to a barplot
Posted by [jecca.baker](#) on Mon, 09 May 2016 14:53:41 GMT
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Hello,

I use the following lines to plot a line on top of a barchart

```
data1=[277.9,260.4,257.6,169.0,89.3,31.7,18.9,23.2,79.6,163. 4,207.6,255.5]
data2=[26,26,27,27,26,26,25,25,26,27,27,26]
cols=intarr(12)+80
cgbarplot,data1,yrange=[0,300],color=cols
cgaxis, yaxis=1,yrange=[20,30],/save
cgoplot,indgen(12)+0.5, data2,psym=-6
```

My problem is that I cannot make the points in the line centre over the middle of the bars. Does anyone know how to fix this?

Many thanks,

Jess

Subject: Re: Adding line to a barplot
Posted by [wlandsman](#) on Mon, 09 May 2016 17:22:03 GMT
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I haven't tried it but perhaps the barcoords output keyword to cgbarplot would be useful:

```
; barcoords: out, optional, type=float
    A vector of values for the center point of the bars.
```

--Wayne

On Monday, May 9, 2016 at 10:53:43 AM UTC-4, Jess wrote:

```
> Hello,
>
> I use the following lines to plot a line on top of a barchart
>
> data1=[277.9,260.4,257.6,169.0,89.3,31.7,18.9,23.2,79.6,163. 4,207.6,255.5]
> data2=[26,26,27,27,26,26,25,25,26,27,27,26]
> cols=intarr(12)+80
> cgbarplot,data1,yrange=[0,300],color=cols
> cgaxis, yaxis=1,yrange=[20,30],/save
> cgoplot,indgen(12)+0.5, data2,psym=-6
>
> My problem is that I cannot make the points in the line centre over the middle of the bars. Does
> anyone know how to fix this?
```

>
> Many thanks,
>
> Jess

Subject: Re: Adding line to a barplot
Posted by [ZP Yin](#) on Wed, 11 May 2016 05:49:39 GMT
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> Hello,
>
> I use the following lines to plot a line on top of a barchart
>
> data1=[277.9,260.4,257.6,169.0,89.3,31.7,18.9,23.2,79.6,163. 4,207.6,255.5]
> data2=[26,26,27,27,26,26,25,25,26,27,27,26]
> cols=intarr(12)+80
> cgbarplot,data1,yrange=[0,300],color=cols
> cgaxis, yaxis=1,yrange=[20,30],/save
> cgoplot,indgen(12)+0.5, data2,psym=-6
>

you can watch the example 'Bar Plot with Error Bars' in <https://www.idlcoyote.com/gallery/> for help

And as wlandsman has answered, barcoords output keyword to cgbarplot would be useful.

> My problem is that I cannot make the points in the line centre over the middle of the bars. Does anyone know how to fix this?
>
> Many thanks,
>
> Jess

Subject: Re: Adding line to a barplot
Posted by [jecca.baker](#) on Thu, 26 May 2016 13:31:34 GMT
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On Wednesday, May 11, 2016 at 6:49:42 AM UTC+1, ZP Yin wrote:

>> Hello,
>>
>> I use the following lines to plot a line on top of a barchart
>>
>> data1=[277.9,260.4,257.6,169.0,89.3,31.7,18.9,23.2,79.6,163. 4,207.6,255.5]

```
>> data2=[26,26,27,27,26,26,25,25,26,27,27,26]
>> cols=intarr(12)+80
>> cgbarplot,data1,yrange=[0,300],color=cols
>> cgaxis, yaxis=1,yrange=[20,30],/save
>> cgoplot,indgen(12)+0.5, data2,psym=-6
>>
>
> you can watch the example 'Bar Plot with Error Bars' in https://www.idlcoyote.com/gallery/
> for help
>
> And as wlandsman has answered, barcoords output keyword to cgbarplot would be useful.
>
>> My problem is that I cannot make the points in the line centre over the middle of the bars.
Does anyone know how to fix this?
>>
>> Many thanks,
>>
>> Jess
```

Thanks both very much for you help - barcoords did just the trick :-)
