
Subject: Re: plot stddev bars for each data point
Posted by [Juggernaut](#) on Wed, 30 Jul 2008 12:26:34 GMT
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On Jul 30, 7:43 am, julia.waltersp...@gmail.com wrote:
> hi folks
>
> i'm pretty sure it can't be that hard, but i haven't found anything
> helpful on the net that could answer my question.
>
> I have a time series of data and I need to plot the stddev for each
> data point as little (vertical) bars over the regular time series
> plot.
> does anybody know where to find a program to do so?
> cheers!!
> juls

If you search "error bar plots" in IDL 6.4 it gives you a nice example
using
iPlot. Just plug your stddev(dataset) where it has "err".

Subject: Re: plot stddev bars for each data point
Posted by [julia.walterspiel](#) on Wed, 30 Jul 2008 13:32:17 GMT
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>
> If you search "error bar plots" in IDL 6.4 it gives you a nice example
> using
> iPlot. Just plug your stddev(dataset) where it has "err".

sweet, I saw the error bar plot but was convinced there was something
written just for stddev.
thanks a lot

Subject: Re: plot stddev bars for each data point
Posted by [pgrigis](#) on Wed, 30 Jul 2008 13:37:43 GMT
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On the other hand, if you like using direct graphics,
there's nothing like doing the job yourself...

```
x=[1,2,3,5,6,7]
y=[2,3,5,4,1,2]
yerr=[0.4,0.8,1.2,1.0,0.3,0.4]
```

```
plot,x,y,psym=6,yrange=[0,8]
FOR i=0,n_elements(x)-1 DO oplot,x[i]*[1,1],y[i]+yerr[i]*[-1,1]
```

Ciao,
Paolo

julia.waltersp...@gmail.com wrote:

```
>>
>> If you search "error bar plots" in IDL 6.4 it gives you a nice example
>> using
```

```
>
> sweet, I saw the error bar plot but was convinced there was something
> written just for stddev.
> thanks a lot
```

Subject: Re: plot stddev bars for each data point
Posted by [Paul Van Delst\[1\]](#) on Wed, 30 Jul 2008 15:48:00 GMT
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pgrigis@gmail.com wrote:

```
> On the other hand, if you like using direct graphics,
> there's nothing like doing the job yourself...
>
> x=[1,2,3,5,6,7]
> y=[2,3,5,4,1,2]
> yerr=[0.4,0.8,1.2,1.0,0.3,0.4]
>
> plot,x,y,psym=6,yrange=[0,8]
> FOR i=0,n_elements(x)-1 DO oplot,x[i]*[1,1],y[i]+yerr[i]*[-1,1]
```

Or let the ploterr or oploterr, errplot routines do it for you.

cheers,

paulv

Subject: Re: plot stddev bars for each data point
Posted by [Allan Whiteford](#) on Wed, 30 Jul 2008 15:53:16 GMT
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pgrigis@gmail.com wrote:

```
> On the other hand, if you like using direct graphics,
```

```
> there's nothing like doing the job yourself...
>
> x=[1,2,3,5,6,7]
> y=[2,3,5,4,1,2]
> yerr=[0.4,0.8,1.2,1.0,0.3,0.4]
>
> plot,x,y,psym=6,yrange=[0,8]
> FOR i=0,n_elements(x)-1 DO oplot,x[i]*[1,1],y[i]+yerr[i]*[-1,1]
>
```

IDL has a built-in routine to do this:

```
x=[1,2,3,5,6,7]
y=[2,3,5,4,1,2]
yerr=[0.4,0.8,1.2,1.0,0.3,0.4]
```

```
ploterr,x,y,yerr
```

It will never look as nice as doing it yourself but slightly easier to type if you just want a quick look.

Thanks,

Allan

```
> Ciao,
> Paolo
>
> julia.waltersp...@gmail.com wrote:
>
>>> If you search "error bar plots" in IDL 6.4 it gives you a nice example
>>> using
>>
>> sweet, I saw the error bar plot but was convinced there was something
>> written just for stddev.
>> thanks a lot
```
