
Subject: plot stddev bars for each data point
Posted by [julia.walterspiel](#) on Wed, 30 Jul 2008 11:43:08 GMT
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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

Subject: Re: plot stddev bars for each data point
Posted by [pgrigis](#) on Wed, 30 Jul 2008 16:17:34 GMT
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Yes,

I never use oploterr etc. because they are not flexible enough for me, but you are right that they do works well for simple plots.

Ciao,
Paolo

Allan Whiteford wrote:

> 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
```
