Subject: Re: cgHistoplot issue
Posted by David Fanning on Wed, 18 May 2011 22:50:57 GMT
View Forum Message <> Reply to Message

David Fanning writes:

>
> JBT writes:
>
>> Just report one bug of cgHistoplot.
>>
>> When setting a xrange to cgHistoplot, it automatically changes the yrange too, which is not supposed to happen. You can repeat the problem with the following code.
>>
>> data = randomu(5L, 200)*20.
>> cgHistoplot, data, BINSIZE=1.0
>> cgHistoplot, data, BINSIZE=1.0, xr = [0, 15]
>>
>> The first two lines were actually copied from idlcoyote.com. And you can see the problem after running the third line.
>
> Humm. This turns out to be a property of the PLOT
> command that, frankly, I don't understand right
> at the moment. Consider this:
>
> IDL> x = [-0.96062616, 21.975719]
> IDL> y = [0,14.7]
> IDL> plot, x, y
>
> But, now set the XRANGE:
>
> IDL> plot, x, y, xrange=[0,15]
>
> What do you make of that!? :-(

If I try to zoom the plot:

```
IDL> fsc_zplot, x, y, xrange=[0,15]
```

It starts out broken, but as soon as I touch the plot
to zoom it, it does the right thing! Weird.

I don't know what to tell you. This looks like a bug with
the plot command to me.

This is one time when, I admit, iPlot produces a better
plot than the Plot command! :-)

IDL> iPlot, x, y, xrange=[0,15]

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
