Subject: Re: cgHistoplot and logarithmic axes
Posted by David Fanning on Wed, 11 Apr 2012 17:56:33 GMT
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Kwill writes:

> I've been using David's excellent CG package for a while now, and have a question regarding cgHistoplot and logarithmic axes. I would like to make a histogram with logarithmic values on the y-axis (the histogram density). cgHistoplot will accept /YLOG as a keyword and plots the values, but the top axis is always misplaced; it appears in the bottom 25% of the plot. Any tips as to how this can be fixed?
>
> My version of cgHistoplot was last updated on 8 Nov 2011. Example code:
>
> IDL> x = randomu(seed,1000)
> IDL> cgHistoplot, x, min_val=1, /ylog

Have I mentioned how much I really, really love keyword
inheritance lately?

Sigh...

OK, I know what's wrong, but because of rotations, etc.
this is not a quick fix. I'm going to be out of the office
for a couple of days. I'll try to get it fixed before
I go, but I have lots of other things I am doing right now. :-(

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.")

Subject: Re: cgHistoplot and logarithmic axes
Posted by David Fanning on Wed, 11 Apr 2012 19:10:25 GMT
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Kwill writes:

> I've been using David's excellent CG package for a while now, and have a question regarding cgHistoplot and logarithmic axes. I would like to make a histogram with logarithmic values on the y-axis (the histogram density). cgHistoplot will accept /YLOG as a keyword and plots the values,

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> My version of cgHistoplot was last updated on 8 Nov 2011. Example code:
>
> IDL> x = randomu(seed,1000)
> IDL> cgHistoplot, x, min_val=1, /ylog

Alright, see what you think of this:

  http://www.idlcoyote.com/misc/cghistoplot.pro

If it works, and doesn't bugger everything else up,
I'll check it in.

I've defined a new LOG keyword to represent the histogram
count on a logarithmic scale.

  x = randomu(seed,1000)
  cgHistoplot, x, /fill, binsize=0.1, /log

Cheers,

David
--
David Fanning, Ph.D.
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Subject: Re: cgHistoplot and logarithmic axes
Posted by David Fanning on Thu, 19 Apr 2012 13:24:05 GMT
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David Fanning writes:

>
> Kwill writes:
>
>> I've been using David's excellent CG package for a while now, and have a question regarding cgHistoplot and logarithmic axes. I would like to make a histogram with logarithmic values on the y-axis (the histogram density). cgHistoplot will accept /YLOG as a keyword and plots the values, but the top axis is always misplaced; it appears in the bottom 25% of the plot. Any tips as to how this can be fixed?
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> If it works, and doesn't bugger everything else up,
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>
> I've defined a new LOG keyword to represent the histogram
> count on a logarithmic scale.
>
>   x = randomu(seed,1000)
>   cgHistoplot, x, /fill, binsize=0.1, /log

Any reaction whatsoever to this updated program? Should
I check it in?

Cheers,

David

--
David Fanning, Ph.D.
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Subject: Re: cgHistoplot and logarithmic axes
Posted by willettk on Tue, 22 May 2012 17:00:08 GMT
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On Thursday, April 19, 2012 8:24:05 AM UTC-5, David Fanning wrote:
> David Fanning writes:
>
>>
>> Kwill writes:
>>
>>> I've been using David's excellent CG package for a while now, and have a question
regarding cgHistoplot and logarithmic axes. I would like to make a histogram with logarithmic
values on the y-axis (the histogram density). cgHistoplot will accept /YLOG as a keyword and
plots the values, but the top axis is always misplaced; it appears in the bottom 25% of the plot.
Any tips as to how this can be fixed?
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>> I've defined a new LOG keyword to represent the histogram
>> count on a logarithmic scale.
>>
>>   x = randomu(seed,1000)
>>   cgHistoplot, x, /fill, binsize=0.1, /log
>
> Any reaction whatsoever to this updated program? Should
> I check it in?

My apologies for not checking this for so long, David. The fix on my computer looks excellent (and it appears that you checked it into the latest CG version). Thanks for doing this.

- kw

>
> 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.")

Subject: Re: cgHistoplot and logarithmic axes
Posted by chengyuxi34 on Fri, 15 Jan 2016 16:24:30 GMT
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Hi, Dear CG series ceator

I am still having problem using cghistoplot in log scale, the y-axis labels do not display correctly.
e.g.
IDL> cghistoplot,randomu(seed,1000),/log

The y-axis labels are just a bunch of zeros.
(My version was last updated on May, 2014)

Subject: Re: cgHistoplot and logarithmic axes
Posted by David Fanning on Fri, 15 Jan 2016 16:41:33 GMT
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chengyuxi34@gmail.com writes:

>
> Hi, Dear CG series ceator
>
> I am still having problem using cghistoplot in log scale, the y-axis labels do not display correctly.
> e.g.
> IDL> cghistoplot,randomu(seed,1000),/log
>
> The y-axis labels are just a bunch of zeros.
> (My version was last updated on May, 2014)

IDL> cghistoplot,randomu(seed,1000),/log, ytickformat='(F6.2)'

Cheers,

David

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

Subject: Re: cgHistoplot and logarithmic axes
Posted by David Fanning on Fri, 15 Jan 2016 16:45:09 GMT
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David Fanning writes:

> IDL> cghistoplot,randomu(seed,1000),/log, ytickformat='(F6.2)'

Whoops! Got away from me. Too little practice. :-(

You can use any keywords available to the Plot command to format the
output in any way that seems appropriate to you. See "graphics
keywords" (or, more probably "keywords, graphics") in the IDL help.

Cheers,

David
--
David Fanning, Ph.D.
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