Subject: Re: output from cghistoplot draws outline correctly but the fill is shifted!?
Posted by munka on Thu, 21 May 2015 21:43:02 GMT
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On Thursday, May 21, 2015 at 2:42:10 PM UTC-7, myname...@gmail.com wrote:
> On Thursday, May 21, 2015 at 2:34:50 PM UTC-7, David Fanning wrote:
>> mynameismunka@gmail.com writes:
>>
>>>
>>> Hi y'all,
>>>
>>> I'm using cghistoplot to make some histograms but a funny thing happens. One of my plots
has the color filling shifted by one bin!
>>>
>>> http://i.imgur.com/9IIvkQZ.png
>>>
>>>
>>> The outline is in the correct spot but the fill isn't. If I switch to line_fill it seems to work
>>>
>>> http://i.imgur.com/h6cWxFt.png
>>>
>>> Even when I'm not plotting 3 plots the same data still causes this shift
>>>
>>> Here is the bit where I plot the center plot...
>>>
>>> cghistoPlot, 10^tbl.lsfr,ytitle='',xr=[0,180],$
>>>   yr=[0,100],xtitle='SFR' ,pos=midplotpos,ytickname=replicate(' ',10),xtickname=['','','','','','
'],$
>>>   mininput=0.0,binsize=5.0,maxinput=180.0,DATACOLORNAME='black ',/noerase,$
>>>   thick=8,/outline,/FILLPOLYGON,polycolor='dodger
blue',histdata=histdatas1,locations=locationss1,$
>>>   yminor=10
>>
>> I would be curious to know at this spot in the code if the requested X
>> range is the same as the calculated X range. In other words:
>>
>>   Print, xrange
>>   Print, !X.CRange
>>
>> Are these the same when the following line is executed?
>>
>>> index=where(10^(sfrarr) gt 0.01 and 10^(sfrarr) lt 250)
>>> cghistoPlot, 10^(sfrarr[index]),$
>>>   mininput=0.0,binsize=5.0,maxinput=180.0,/oplot,$
>>>   THICK=8,/fill,datacolorname='black',/outline,polycolor='red' ,$
>>>   line_thick=18,orientation=45
>>>
>>>

>>> I'm not sure what is going wrong. I copy-pasted the code for each of the plots and only changed the plotting ranges and the data plotted. Does anyone have any clue as to whats going on here?

>>

>> 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.")

>

> this should reproduce the bug http://pastebin.com/GpaPKqfT

>

> adding

>

> Print, !x.range

>   Print, !X.CRange

>

> after both plot commands gives:

>

>   0.0000000   0.0000000

>   0.0000000   180.00000

>   0.0000000   0.0000000

>   0.0000000   180.00000

>

> ~Bill

Whoops. be sure to change the output path.