Subject: Re: output from cghistoplot draws outline correctly but the fill is shifted!?
Posted by munka on Thu, 21 May 2015 21:47:46 GMT
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On Thursday, May 21, 2015 at 2:43:04 PM UTC-7, myname...@gmail.com wrote:
> 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/9IlvkQZ.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,yticklabelname=replicate(' ',10),xticklabelname=['','','','','','',$
>>>> 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.

I made the arrays smaller and it still has the bug

http://pastebin.com/KUSFH0q0

here is the output

http://i.imgur.com/cTTDZ1P.png

~Bill
