
Subject: Re: output from cghistoplot draws outline correctly but the fill is shifted!?

Posted by [munka](#) on Thu, 21 May 2015 21:42:08 GMT

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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/9llvkQZ.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.lsf, 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 what's 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
