
Subject: Re: cgHistoplot and multiplot

Posted by [David Fanning](#) on Mon, 09 Apr 2012 18:53:34 GMT

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DavidL writes:

```
> I am trying to use cgHistoplot with multiplot but I can't have it working properly.
> My plotting code is
>
> erase
> multiplot,[2,1]
> cgHistoplot, val1, /FREQUENCY, YTICKFORMAT='(F4.2)', DATACOLORNAME='Black',
YTITLE=""
> multiplot
> cgHistoplot, val2, /FREQUENCY, YTICKFORMAT='(F4.2)', DATACOLORNAME='Black',
YTITLE=""
> multiplot,[1,1],/init,/verbose
>
> Any hint?
```

It looks like it is working to me. Do you have the latest versions of both Multiplot and cgHistoplot?

What makes you think it is NOT working?

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 multiplot

Posted by [DAVIDE LENA](#) on Mon, 09 Apr 2012 20:00:38 GMT

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I updated cgHistoplot and multiplot to the latest versions. Still I get garbage in output. When I plot on the x terminal I see just the x and y axis (and the y axis are not really the same and they both have labels). No data are shown.

When I plot on ps device I see the data. The y axis is in common but with different scales. They both have labels and the title "Relative Frequency".

On Monday, April 9, 2012 2:53:34 PM UTC-4, David Fanning wrote:

> DavidL writes:

>

>> I am trying to use cgHistoplot with multiplot but I can't have it working properly.

>> My plotting code is

>>

>> erase

>> multiplot,[2,1]

>> cgHistoplot, val1, /FREQUENCY, YTICKFORMAT='(F4.2)', DATACOLORNAME='Black',
YTITLE="

>> multiplot

>> cgHistoplot, val2, /FREQUENCY, YTICKFORMAT='(F4.2)', DATACOLORNAME='Black',
YTITLE="

>> multiplot,[1,1],/init,/verbose

>>

>> Any hint?

>

> It looks like it is working to me. Do you have the latest
> versions of both Multiplot and cgHistoplot?

>

> What makes you think it is NOT working?

>

> Cheers,

>

> David

>

>

>

> --

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Subject: Re: cgHistoplot and multiplot

Posted by [David Fanning](#) on Mon, 09 Apr 2012 21:01:24 GMT

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DavidL writes:

> I updated cgHistoplot and multiplot to the latest versions. Still I get garbage in output.

> When I plot on the x terminal I see just the x and y axis (and the y axis are not really the same
and they both have labels). No data are shown.

>

> When I plot on ps device I see the data. The y axis is in common but with different scales. They
both have labels and the title "Relative Frequency".

You are drawing the histogram bars in black. I presume on your terminal you are drawing in a window with a black background. The bars might be hard to see. :-)

I would remove the DataColorName keyword from your cgHistoplot commands and let cgHistoplot choose an appropriate color. (Or, erase with a white color.) Does that help?

If you want the Y range to be the same for the two plots, you can make them the same by using the same values with the YRANGE keyword.

If you want to turn the Y axes labelling off, set the YTICKFORMAT to '(A1)', rather than what you have.

This code works for me:

```
erase
val1 = cgdemodata(5)
val2 = cgdemodata(7)
multiplot,[2,1]
  cgHistoplot, val1, yrange=[0,0.5], /FREQUENCY, $
    YTICKFORMAT='(A1)', YTitle="", DataColor='opposite'
multiplot
  cgHistoplot, val2, yrange=[0,0.5], /FREQUENCY, $
    YTICKFORMAT='(A1)', YTitle="", DataColor='opposite'
multiplot,[1,1],/init,/verbose
end
```

Cheers,

David

--

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Subject: Re: cgHistoplot and multiplot

Posted by [DAVIDE LENA](#) on Mon, 09 Apr 2012 22:05:26 GMT

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Shame on me...Thanks! :)

On Monday, April 9, 2012 5:01:24 PM UTC-4, David Fanning wrote:

> DavidL writes:
>
>> I updated cgHistoplot and multiplot to the latest versions. Still I get garbage in output.
>> When I plot on the x terminal I see just the x and y axis (and the y axis are not really the same and they both have labels). No data are shown.
>>
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> You are drawing the histogram bars in black. I presume
> on your terminal you are drawing in a window with a black
> background. The bars might be hard to see. :-)
>
> I would remove the DataColorName keyword from your
> cgHistoplot commands and let cgHistoplot choose
> an appropriate color. (Or, erase with a white color.)
> Does that help?
>
> If you want the Y range to be the same for the two
> plots, you can make them the same by using the same
> values with the YRANGE keyword.
>
> If you want to turn the Y axes labelling off, set
> the YTICKFORMAT to '(A1)', rather than what you have.
>
> This code works for me:
>
> erase
> val1 = cgdemodata(5)
> val2 = cgdemodata(7)
> multiplot,[2,1]
> cgHistoplot, val1, yrange=[0,0.5], /FREQUENCY, \$
> YTICKFORMAT='(A1)', YTitle="", DataColor='opposite'
> multiplot
> cgHistoplot, val2, yrange=[0,0.5], /FREQUENCY, \$
> YTICKFORMAT='(A1)', YTitle="", DataColor='opposite'
> multiplot,[1,1],/init,/verbose
> end
>
> Cheers,
>
> David
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> --
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Subject: Re: cgHistoplot and multiplot

Posted by [DAVIDE LENA](#) on Thu, 28 Jun 2012 17:17:21 GMT

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I had cgHistoplot working fine with multiplot for a while. At some point it stopped working...

I have the updated versions of multiplot and cgHistoplot.

What is happening is that all the histograms are drawn on the same reference frame and only one reference frame is represented. Though multiplot works perfectly well when I use just plot. I also tried to overplot the histogram but it does not work.

I am running something like that:

```
SET_PLOT, 'x'
erase
multiplot,[1,3]
  cgHistoplot, map1, XRange=xr, /FREQUENCY, YTickFormat='(F4.2)', /OUTLINE
multiplot
  cgHistoplot, map2, XRange=xr, /FREQUENCY, YTickFormat='(F4.2)', YTitle="",
/OUTLINE
multiplot
  cgHistoplot, map3, XRange=xr, /FREQUENCY, YTickFormat='(F4.2)',
XTickFormat='(F5.1)', YTitle="", /OUTLINE
multiplot,[1,1],/init,/verbose
```

Any suggestion?

On Monday, April 9, 2012 5:01:24 PM UTC-4, David Fanning wrote:

> DavidL writes:

>

>> I updated cgHistoplot and multiplot to the latest versions. Still I get garbage in output.

>> When I plot on the x terminal I see just the x and y axis (and the y axis are not really the same and they both have labels). No data are shown.

>>

>> When I plot on ps device I see the data. The y axis is in common but with different scales. They both have labels and the title "Relative Frequency".

>

> You are drawing the histogram bars in black. I presume

> on your terminal you are drawing in a window with a black

> background. The bars might be hard to see. :-)

>

> I would remove the DataColorName keyword from your

> cgHistoplot commands and let cgHistoplot choose

> an appropriate color. (Or, erase with a white color.)

> Does that help?

>

> If you want the Y range to be the same for the two

> plots, you can make them the same by using the same

> values with the YRange keyword.

>

> If you want to turn the Y axes labelling off, set
> the YTICKFORMAT to '(A1)', rather than what you have.
>
> This code works for me:
>
> erase
> val1 = cgdemodata(5)
> val2 = cgdemodata(7)
> multiplot,[2,1]
> cgHistoplot, val1, yrange=[0,0.5], /FREQUENCY, \$
> YTICKFORMAT='(A1)', YTitle="", DataColor='opposite'
> multiplot
> cgHistoplot, val2, yrange=[0,0.5], /FREQUENCY, \$
> YTICKFORMAT='(A1)', YTitle="", DataColor='opposite'
> multiplot,[1,1],/init,/verbose
> end
>
> Cheers,
>
> David
>
> --
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Subject: Re: cgHistoplot and multiplot

Posted by [DAVIDE LENA](#) on Thu, 28 Jun 2012 17:38:12 GMT

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BTW, this code does not work for me:

```
erase
val1 = cgdemodata(5)
val2 = cgdemodata(7)
multiplot,[2,1]
  cgHistoplot, val1, yrange=[0,0.5], /FREQUENCY, $
    YTICKFORMAT='(A1)', YTitle="", DataColor='opposite'
multiplot
  cgHistoplot, val2, yrange=[0,0.5], /FREQUENCY, $
    YTICKFORMAT='(A1)', YTitle="", DataColor='opposite'
multiplot,[1,1],/init,/verbose
end
```

On Monday, April 9, 2012 5:01:24 PM UTC-4, David Fanning wrote:

> DavidL writes:

```

>
>> I updated cgHistoplot and multiplot to the latest versions. Still I get garbage in output.
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>   cgHistoplot, val1, yrange=[0,0.5], /FREQUENCY, $
>     YTICKFORMAT='(A1)', YTitle="", DataColor='opposite'
> multiplot
>   cgHistoplot, val2, yrange=[0,0.5], /FREQUENCY, $
>     YTICKFORMAT='(A1)', YTitle="", DataColor='opposite'
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