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Subject: formatting y-axis when plotting relative frequency using cgHistoplot

Posted by [Steve Super](#) on Thu, 18 Jun 2015 20:23:02 GMT

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I'm trying to determine if there is a simple way to control the y-axis labels when using the relative frequency keyword with cgHistoplot.

I know IDL format codes can be used with the ytickformat keyword, however what I am hoping to do is display the relative frequency as a percentage instead of in decimal form. (e.g. 1.5% versus 0.015)

The simplest option would be a keyword to set the y axis to be in %, however it doesn't appear that's possible. Does anyone know if there a way to output the label values used to an array? That way they can be converted to a percentage and then be explicitly set using the yticknames keyword?

-Steve

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Subject: Re: formatting y-axis when plotting relative frequency using cgHistoplot

Posted by [David Fanning](#) on Thu, 18 Jun 2015 20:42:51 GMT

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Steve Super writes:

> I'm trying to determine if there is a simple way to control the y-axis labels when using the relative frequency keyword with cgHistoplot.

>

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> The simplest option would be a keyword to set the y axis to be in %, however it doesn't appear that's possible. Does anyone know if there a way to output the label values used to an array? That way they can be converted to a percentage and then be explicitly set using the yticknames keyword?

Have you tried the usual method of setting the YTickFormat keyword to the name of a function you write to format the axis is any way you see fit?

See the documentation for the [XYZ]Tickformat graphics keyword for examples.

Cheers,

David

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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.")

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Subject: Re: formatting y-axis when plotting relative frequency using cgHistoplot  
Posted by [Yngvar Larsen](#) on Thu, 18 Jun 2015 20:53:25 GMT  
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On Thursday, 18 June 2015 22:23:05 UTC+2, Steve Super wrote:

> I'm trying to determine if there is a simple way to control the y-axis labels when using the relative frequency keyword with cgHistoplot.

>

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>

> The simplest option would be a keyword to set the y axis to be in %, however it doesn't appear that's possible.

You can do that with YTICKFORMAT.

```
plot, dindgen(100), ytickformat='(l0, "%")'
```

(or something very similar with cgHistoPlot, since I assume it supports the same keywords as PLOT.)

Does anyone know if there a way to output the label values used to an array? That way they can be converted to a percentage and then be explicitly set using the yticknames keyword?

```
plot, dindgen(100), ytick_get=yvalues
```

But you don't need to do that, see above.

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Yngvar

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Subject: Re: formatting y-axis when plotting relative frequency using cgHistoplot  
Posted by [Steve Super](#) on Fri, 19 Jun 2015 13:22:33 GMT  
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Great, thanks for the tips on using format functions.

-Steve

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