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Subject: Re: Finding peak with cgHistoplot and bin confusion  
Posted by [David Fanning](#) on Wed, 08 Jan 2014 13:59:29 GMT  
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rjp23@le.ac.uk writes:

>  
> I'm using cgHistoplot with the binsize value set like so:  
>  
> cgHistoplot, data, binsize=100, xrange=[0, 8000]  
>  
> Is there a simple way to find the x value where the histogram peaks?  
>  
> I thought using the histdata keyword would have worked and then something like  
find=where(histdata EQ max(histdata)).  
>  
> The problem though is then knowing which bin that subscript refers to. I assumed because I  
specify xrange starting from 0 then my first bin would be 0-99. However, if I use the omin keyword  
it returns a value of 698.045. Does that mean by first bin is 600-699? or 698.045-797.045?

I would do something like this:

```
cgHistoplot, data, binsize=100, xrange=[0, 8000], HistData=d  
maxValue = Max(d, binNumber)
```

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

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