
Subject: Re: Finding peak with cgHistoplot and bin confusion

Posted by [rjp23](#) on Wed, 08 Jan 2014 14:33:19 GMT

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On Wednesday, January 8, 2014 1:59:29 PM UTC, David Fanning wrote:

```
>  
> I would do something like this:  
>  
>  
>  
> cgHistoplot, data, binsize=100, xrange=[0, 8000], HistData=d  
>  
> maxValue = Max(d, binNumber)  
>
```

Hi David,

Sorry I don't think I explained very well. What you've posted there is just the equivalent of `find=where(histdata EQ max(histdata))` isn't it?

What is causing me trouble is then using the returned bin subscript to get the correct bin value.

I think my problem is that I assumed that the first bin was at the bottom of my xrange but it's actually at the bottom of my data range (I think?).

If I do this it looks like it works to get to the middle of the bin in which the distribution peaks:

`peak=omin+binsize*find+binsize/2.`
