Subject: Re: There is NO TRUTH! Re: Histogram Hot-shots Required
Posted by eddie haskell on Tue, 20 Jul 1999 07:00:00 GMT
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David Fanning wrote:

> More evidence that the apocalypse is upon us....
<snip>
> ; Liam's method 1:
> binNum1 = FLOOR((value - Min(array)) / binsize)
>
> ; Eddie's method:
> binNum4 =(where(R ge ((where(((where(array eq value))[0]) eq $
> R[R[0]:*]))[0]+R[0])))[0]

Well this had me confused for a bit. I admit I came up with this method friday evening sitting in a local pub drinking lager but it seemed it should have been fool proof as all the information was given and no rounding of any kind needed to be done. After doing a quick check I realised I had made a slight omission in my thinking and forgot about the possiblity of cells with zero elements (shows what drinking can do to those brain cells). If I change the GE in my method to GT and subtract 1 off the end, this method then seems to produce the same results as Liam's solution and your brute force method, i.e.:

binNum6 =(where(R GT ((where(((where(array eq value))[0]) eq $
 R[R[0]:*]))[0]+R[0])))[0]-1

I admit this looks much more messy than Liam's solution and probably takes longer to execute but I wanted to correct my mistake just for completeness. I am glad that you solved your problem and also wonder what the original error in the histogram function was.

Cheers,
eddie

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