Subject: Re: Histogram Hot-shots Required
Posted by davidf on Fri, 16 Jul 1999 07:00:00 GMT
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Liam Gumley (Liam.Gumley@ssec.wisc.edu) writes:

> Assuming I know the minimum and maximum values (the range) used in
> creating the histogram, the histogram binsize, and the number of bins,
> the zero-based bin index is given by
>
> bin_index = long(float(pixel_value - histogram_min_value) /
> float(binsize))
>
> and then to protect against pixel values LT histogram minimum value, or
> GE histogram maximum value
>
> bin_index = (bin_index > 0L) < (number_of_bins - 1L)
>
> At least, that's how it looks to me on paper....

Well, I think this is the correct answer, surely. But
I still have rather large differences on my plot between
this calculated value and the "perceived" value on
the graph. This must be a function of the distribution of
the data in certain bins and the way the graph is being
drawn.

To solve this I may have to go to a bar plot, which
I have *really* been trying to avoid. :-(

In any case, I appreciate the help very much.

Cheers,

David

P.S. I am going to pursue Ronn Kling's suggestions about
Reverse_Indices some more, even if I don't think it is the
answer in this case. I just love the irony of having a joke
throw-away line become the real answer. :-)

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