
Subject: Re: Histogram Hot-shots Required
Posted by [Liam Gumley](#) on Tue, 20 Jul 1999 07:00:00 GMT
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Martin Downing wrote:

```
> Liam Gumley <Liam.Gumley@ssec.wisc.edu> wrote in message
> news:378F33E4.984726C5@ssec.wisc.edu...
>> 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)
>>
>
> I agree with the first part, but HISTOGRAM ignores values outside the
> specified range, so you would want to check the index and throw away if LT 0
> or GE "num_bins"
```

which is done by the the statement

```
bin_index = (bin_index > 0L) < (number_of_bins - 1L)
```

Cheers,
Liam.

--

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