Subject: Re: Histogram question
Posted by JD Smith on Tue, 10 Aug 2004 18:43:40 GMT
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On Sun, 08 Aug 2004 18:52:57 +0000, Marshall Perrin wrote:

> Michael Wallace <mwallace.no.spam@no.spam.swri.edu.invalid> wrote:
>> I wrote this little snippet which doesn't use HIST_2D at all. It's just
>> a simple FOR loop and adding values. Back in the good ol' days, I would
>> have been satisfied with this, but after having read this newsgroup for
>> a while I just have a feeling that there's a way to get rid of that FOR
>> loop and do something totally cool with the HISTOGRAM function. So I
>> guess my question is more academic than anything else.
>
> It's too bad HIST_2D doesn't have a REVERSE_INDICES keyword like HISTOGRAM
> does. If it did, you could do something like
>
> H = hist_2d(v1,v2,reverse_indices=r)
> for i=0L,n_elements(h)-1 do
> H[i] += total(v3[R[R[I] : R[i+1]-1]] -1 )
>
>
> You could maybe still make this work if you don't mind unrolling your 2D
> arrays into 1D arrays somehow.

That's how HIST_2D does it's magic. The HIST_ND program I wrote also
gives you reverse indices (find it on David's site:
http://www.dfanning.com/programs/hist_nd.pro).

JD