Subject: Re: Histogram question
Posted by mperrin+news on Sun, 08 Aug 2004 18:52:57 GMT

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. The above code is just off the top
of my head and hasn't been tested or debugged or anything like that,
so no promises are made!

 - Marshall