
Subject: Re: Can I use HISTOGRAM to do this?
Posted by [Chris Lee](#) on Tue, 29 Jun 2004 08:08:27 GMT
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In article <6e84eb0a.0406281357.6a6cde84@posting.google.com>, "bridgemat" <bridgemat@yahoo.com> wrote:

> Re: Can I use HISTOGRAM to do this?

Histogram can do anything, no really :)

I'm dutybound to refer you to the histogram tutorial at

http://www.dfanning.com/tips/histogram_tutorial.html

You want to read the section on Reverse indices. Essentially, histogram can give you the index numbers of the elements which go into each bin in your histogram, so..

```
hist=histogram(geo.lat,min=30,max=90,nbins=61,reverse_indices=ri)
ind=indgen(61) + 30.5
avg=fltarr(61)
value=fltarr(90,90) ; your array of time values
```

```
;the histogram tutorial says what each element of 'ri' is for
for i=0, 60 do if(ind[i] ne 0) then avg[i]=mean(value[ ri[i]:ri[i+1]-1 ] )
```

```
;end
```

Chris
