
Subject: More histogram magic help please!
Posted by [rjp23](#) on Fri, 01 Apr 2016 10:12:44 GMT
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I still haven't quite got my head around all the histogram magic that's possible but fairly sure it'll massively help me speed this up.

```
for i=0L, n_elements(lons)-1 do begin
  for j=0L, n_elements(lats)-1 do begin

    find=where(longitude GE lons[i] and longitude LT lons[i]+1 AND $
               latitude GE lats[j] and latitude LT lats[j]+1)

    if find[0] NE -1 then assigned_value[find]=data[i,j]

  endfor
endfor
```

I have a large 2 million+ element 1D array that has a latitude/longitude associated with each point.

I also have a second 2D gridded array and I want to work out which of the grid boxes each value of the large array falls into.

I just can't seem to get the histogram syntax quite right!

Thanks in advance
