
Subject: Re: binning a point clouds in the xy plane
Posted by [Nafiseh Masoumzadeh](#) on Fri, 20 Dec 2013 00:11:15 GMT
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Thanks a lot,

it is really a brilliant idea. :)

I have just problem with `cgReverseIndices` to find indices of avg z values.

here is the code;

```
readcol, 'sampledata.txt', x, y, z
```

```
hist_xy=hist_nd(transpose([[x],[y]]),[0.05,0.05],$  
min=[min(x),min(y)],max=[max(x),max(y)],reverse_indices=ri)
```

```
avg_hist_xyz=make_array(size(hist_xy,/DIMENSIONS),VALUE=!VALUES.F_NAN)
```

```
for j=0,n_elements(hist_xy)-1 do if ri[j+1] gt ri[j] then $  
    avg_hist_xyz[j]=mean(z[ri[ri[j]:ri[j+1]-1]])
```

```
;;;;;;;;;;;;; I am not sure how to use correctly "cgReverseIndices"  
indicesz = cgReverseIndices( avg_hist_xyz[ri], 4, COUNT=cnt) ??????  
help, indicesz ??????
```

regards,
Nafiseh
