
Subject: help with IF statement

Posted by [g.nacarts](#) on Wed, 21 Jan 2015 17:26:56 GMT

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Hi

I need some help with an IF statement because I suspect that it's not doing what I really wish to do.

I have a 3D array [120,200,200] which contains my data. Then I am using this matrix to create another matrix. My code looks like this

DataArray ; contains the 3D data

Mean = total(DataArray[0:4,*,*],1)/5.

```
for i = 0, 199 do begin
```

```
  for j = 0, 199 do begin
```

```
    Barray = DataArray[:,i,j] - Array[i,j]
```

```
    IF (TOTAL(Barray LT 0)) GT 0 THEN NEW_DATA[:,j,k] = Mean[j,k] $
```

```
    ELSE NEW_DATA[:,j,k] = Mean[j,k] + OTHER
```

```
  endfor
```

```
endfor
```

What I wanted to achieve with the above is that if an entry in the Barray has a negative value then the New_Data it's equals the mean otherwise NEW_DATA= Mean+ OTHER.

My data are images and when I display the images after that I found out that in places that there are not negative numbers the new_data array equals the mean only not the whole expression (Mean[j,k] + OTHER). Why this happened? It supposed to use the mean only when there are negatives.
