
Subject: Re: help with - count in where() function
Posted by [Phillip Bitzer](#) on Fri, 01 May 2015 14:33:45 GMT
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On Thursday, April 30, 2015 at 12:32:32 PM UTC-5, g.na...@gmail.com wrote:

```
> Hi
>
> I wrote a simple example of my code to understand the behaviour of count in the where()
function but I still don't understand something.
>
> My example:
>
> array = [[-1,2,3,4,5],[6,-7,8,9,10]]
> mask =bytarr(5,5)
> for i=0L,4 do begin
>   for j=0L, 4 do begin
>     IF (TOTAL(ARRAY GT 5.)+ TOTAL(Array LT 0.)) EQ 0 THEN mask[i,j]=1
>   endfor
> endfor
>
> ind = where(mask EQ 1,count)
>
> I was expecting the answers in the two last prints. I don't understand why when I print out the
count it's zero.
```

Why do expect that to be the answer? Look at your loop again:

```
> for i=0L,4 do begin
>   for j=0L, 4 do begin
>     IF (TOTAL(ARRAY GT 5.)+ TOTAL(Array LT 0.)) EQ 0 THEN mask[i,j]=1
>   endfor
> endfor
```

When, i=0, j=0, the total of `array GT 5` is 4 and the total of `array LT 0` is two.
When i=0, j=1, the total of `array GT 5` is 4 and the total of `array LT 0` is two.
When i=0, j=2, the total of `array GT 5` is 4 and the total of `array LT 0` is two.

See a pattern? ;-)

So, TOTAL(ARRAY GT 5.)+ TOTAL(Array LT 0.) is never 0, as PaulV said.

Now, what exactly is the problem you're trying to solve?
