Subject: Re: help with - count in where() function
Posted by Paul Van Delst[1] on Thu, 30 Apr 2015 17:58:12 GMT

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On 04/30/15 13:32, g.nacarts@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)
> print, count
> IDL> 0
>
>
> print, total(array GT 5.)
>> IDL 4.00000
> print, total(array LT 0.)
>> IDL 2.00000
>
>
> I was expecting the answers in the two last prints. I don't
> understand
why when I print out the count it's zero. Can anyone help?
>
> Actually I was expecting to be 4 because there are 2 negatives and 4
greater than 5 so (2+4=6, thus 10-6=4).

Umm....but you're asking to set the mask element if 4+2 = 0.

Last time I checked, 4+2 never equals 0 (in this universe at least) so
no mask elements will ever be set to 1.

Maybe your TOTAL() commands require some additional info re the i or j
indices?

Or am I being brain dead here?

cheers,

paulv