
Subject: N_ELEMENTS gt 0

Posted by [chloesharrocks](#) on Thu, 14 Feb 2008 09:37:33 GMT

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Is it possible to combine the N_ELEMENTS function with the greater than operator? I just want to search through an array and find out how many elements exist which are greater than zero (I don't need to know where they are, just how many), but I can't get it to work. I have an array called good_index which I happen to know has 6 values > zero, but when I run the following code, it tells me I only have 1 value > zero:

```
number = (N_ELEMENTS(good_index) gt 0)
print, number
```

Is there a way to do this without using a where function?

Thanks

Chloé

Subject: Re: N_ELEMENTS gt 0

Posted by [Jean H.](#) on Thu, 14 Feb 2008 18:12:50 GMT

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chloesharrocks@gmail.com wrote:

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> than operator? I just want to search through an array and find out
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```
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```

```
> Chloé ½
```

What you get is normal. N_elements(X) always returns 1 value, the number of elements of X... so your statements returns 1 if good_index has at least one element, and 0 if it is undefined.

Now, the easiest way is:

```
useless = where(good_index gt 0, countPositiveEntries)
useless = 0
print, countPositiveEntries
```

if you don't want that, you can use "total"
countPositiveEntries = total(good_index gt 0)

Note that you may have to use data[good_index]... it makes more sense,
as anyway you can't really have negative index (technically, you can,
but they make no sense!).

Jean
