
Subject: Re: Difficulty with N_ELEMENTS command
Posted by [Yngvar Larsen](#) on Sun, 12 Feb 2012 19:14:33 GMT
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On Feb 10, 5:03 am, Andrew King <andrewkin...@gmail.com> wrote:

> Hi.
>
> I'm trying to create an array of the number of elements that satisfy a
> certain criterion as below.
>
> FOR m=0,nyears-1 DO BEGIN
> exceed_freq(m)=N_ELEMENTS(WHERE(precip_day(m,*) gt smoothed(*)))
> ENDFOR
>
> The problem I have is that for some years in my program there are no
> elements that satisfy this criterion, however the value returned in
> the array 'exceed_freq' is 1 instead of 0.
>
> I would appreciate any comments.

A one-liner solution (mostly because it fun :) could be

```
exceed_freq = total(precip_day gt  
transpose(smoothed[*,lindgen(nyears)]), 2)
```

or

```
exceed_freq = total(transpose(precip_day) gt  
smoothed[*,lindgen(nyears)], 1)
```

--
Yngvar
