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Subject: Re: Non-linear data selection

Posted by [David Fanning](#) on Sun, 16 May 2010 13:16:22 GMT

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Gianguido Cianci writes:

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>
> On May 15, 7:27 pm, David Fanning <n...@dfanning.com> wrote:
>> aboveIndices = Where((y GE yfit) EQ 1, count)
>
> David, why didn't you use one of the following?
>
>   aboveIndices2 = Where(y GE yfit, count)
>   aboveIndices3 = Where(y[*] GE yfit[*], count)
>
> I have this vague memory/nightmare that I "need" to do the [*] part in
> order not to get crazy results sometimes (though I can't come up with
> a crazy example right now) so I always use aboveIndices3...
>
> So *are* there differences among these three lines? Cos they all seem
> to work for the example of the original poster. :-|
```

The second line (aboveIndices2) is what I originally wrote in my code, but I changed it to give more clues to the user about what I was doing. (I was too busy working on my rock garden yesterday to explain myself.)

The third line is totally unnecessary and, at least with large arrays, will cost you a big memory penalty:

[http://www.dfanning.com/misc\\_tips/submemory.html](http://www.dfanning.com/misc_tips/submemory.html)

But, yes, they should all be equivalent in this case.

Cheers,

David

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David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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