
Subject: Re: IDL and me!

Posted by [Craig Markwardt](#) on Wed, 21 Sep 2005 14:36:51 GMT

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"Liberum" <shejo284@gmail.com> writes:

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> Hi Guys and Gals,
>
> As a nascent IDL user I have come across a little problem that really
> chaps my hide! Any help would really be appreciated!
> Consider the following file-reading code:
>
> OPENR, LUN, file, /GET_LUN
> s = ""
> FOR i = 0, n_lines - 1 DO BEGIN
>   READF, LUN, s ; reads the file line by line into string s
>   d = STRSPLIT(s, /EXTRACT)
>   col1 = d[0] & col2 = d[1] & col3 = d[2] & col4 = d[3]
>   IF FIX(col1) EQ -10 THEN bias[i] = 0
>   IF FIX(col1) EQ -5 THEN bias[i] = 1
>   IF FIX(col1) EQ -1 THEN bias[i] = 2
>   IF FIX(col1) EQ 0 THEN bias[i] = 3
>   IF FIX(col1) EQ 1 THEN bias[i] = 4
>   IF FIX(col1) EQ 5 THEN bias[i] = 5
>   IF FIX(col1) EQ 10 THEN bias[i] = 6
>   cth[i] = LONG(col2)
>   occur[i] = LONG(col3)
>   pixels[i] = LONG(col4)
>   hist_data[bias[i], cth[i] - 1] = FLOAT(occur[i])/pixels[i]*100.
>   i += 1
> ENDFOR
> FREE_LUN, LUN
>
> Now all I'm trying to do is to read the contents of this file into an
> array. Now when I run this script I get:
>
> % Attempt to subscript D with <INT ( 1)> is out of range.
>
> Now how can this be when d has 4 elements and I have not looped outside
> of [0, 3] ??????????????
```

You might have to consider the case when D does **not** have four elements. For example, a blank line at the end of the file might do that. A simple, "IF N_ELEMENTS(D) LT 4 THEN CONTINUE" at the right place might do the trick.

Good luck,
Craig

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Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
