Subject: Re: read_ascii for many rows / possible to create automatic names for variables
Posted by britta.mey on Sat, 05 Jan 2008 18:00:42 GMT
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On Jan 5, 4:56 pm, David Fanning <n...@dfanning.com> wrote:
> Britta writes:
>> a Happy New Year and a new question concerning this stuff. I'd like to
>> use a for loop to use this routine for many files of the same type,
>> but i end alway up in errors (loops are really one of my
>> infirmnesses).
>
>> How can i deal with this?
>
> Ah, yes. Well, you need a doctor. You have come to the
> right place if you want a loopy one. :-)
>
>> Where do i have to use the indices for the
>> different files?
>
> The best thing for you to do is to probably learn
> how to put a breakpoint in your code so you can
> walk through it a couple of times, understanding
> how it works. Once you do that, I can't imagine
> you ever having trouble with loop indices again.
> It might help to have a piece of paper and a pencil
> handy, as well as a clear idea of what it is you
> *expect* the program to do.
>
>> ##################################
>
>> files = FILE_SEARCH('E:\Dissertation\field_campaigns
>> \Megacities07\spectrometer
>> \Megacities07_2\PC1_VIS_VN3_VN1\cosinus_vn1\90\normal\VISA-
>> CH2_VIS2\ALBEDO*.dat',count=nfiles)
>> files_dif= FILE_SEARCH('E:\Dissertation\field_campaigns
>> \Megacities07\spectrometer
>> \Megacities07_2\PC1_VIS_VN3_VN1\cosinus_vn1\90\dark\VISA-
>> CH2_VIS2\ALBEDO*.dat',count=nfiles_dif)
>
>> for i=0,nfiles-1 do begin
>
>> rows = File_Lines(files)
>
> Your immediate problem is here. The purpose of the line above
> is to find out how many rows there are in the file you are
> about to read. You have passed it the whole list of files.
> Naturally, FILE_LINES is confused. :-)

>
> Since files is a long list, and since you are doing this
> is a loop, with the index I, you will want to subscript this
> list with the index in order to find the right file:
>
>   rows = File_Lines(files[I])
>
> Or, if I wanted this code to be even clearer, I might write
> something like this:
>
>   FOR j=0,nfiles-1 to BEGIN
>   thisfile = files[j]
>   rows = File_Lines(thisfile)
>
> It is not clear to me from your code what you expect to do
> with this data you are collecting from all these files,
> but perhaps we can solve that problem later. :-)
>
> Cheers,
>
> David
> --
> 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.")

Hello David,

thank you. I'll try this. The data files are the output of a
spectrometer (measurements of solar radiation) and the output of the
calibration respectively. :-)

Cheers,
Britta
