
Subject: Re: Logic problem

Posted by [Craig Markwardt](#) on Thu, 17 Jan 2008 16:51:12 GMT

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"Ryan." <rchughes@brutus.uwaterloo.ca> writes:

> Hi All,
>
> I need assistance with the logic of a particular routine to retrieve a
> list of files by date. I have tried a few methods but they haven't
> been successful. I'm posting here to hopefully get some assistance on
> the logic that I'm using. I can't seem to get it correct. Here are
> the details:
>
> I have a directory of folders (As you can see the folder names
> correspond to a time period that overlap):
> 2004-02-19_2004-02-20
> 2004-02-20_2004-02-21
> 2004-02-21_2004-02-25
> 2004-02-25_2004-02-28
> 2004-03-06_2004-03-10
> 2004-03-10_2004-03-13
> ...
>
> Each of these folders contains various files, I am interested in
> obtaining one with a particular extension, say *.SAS (I should note,
> that sometimes this file does not exist within the folder).
>
> I want to have a special routine that given a date (or a start and end
> date) to return the full path of the *.SAS file(s) or if it doesn't
> exist to print out a statement saying it doesn't exist. If the

Assuming that you can convert your file names to numerical values,
which you seem to have done quite well, then you could do a simple
VALUE_LOCATE() to find match-ups.

For example,

```
;; A list of days from start to finish  
RANGE = DATE + DINDGEN(ENDDATE-DATE+1)  
;; Which files match the file start date?  
;; (NOTE: assumes DIRDATES is ascending order)  
II = VALUE_LOCATE(DIRDATES(0,*), RANGE)  
;; Keep only those that agree with the file end date.  
WH = WHERE(RANGE LT DIRDATES(1,II), CT)  
IF CT EQ 0 THEN MESSAGE, 'No match!!!!'  
II = II(WH)  
  
;; These are the acceptable directories  
II = II(UNIQ(II, SORT(II))) ;; remove duplicates
```

FOUND_DIRS = DIRS(II)

Good luck,
Craig

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