Subject: Re: question about readf
Posted by Paul[2] on Fri, 11 Aug 2006 18:08:08 GMT
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savoie@nsidc.org wrote:
> rlayberry@hotmail.com writes:
>
>> I am trying to get data out of MS-Excel and into IDL as a float array.
>>
>> I laboriously save each Excel worksheet as a csv.
>>
>> I then readf the CSV into a float array.
>>
>> The problem is that there are some missing data values. for example
>> ,10.0,,,0.0,10
>> so a missing data value is given by two commas next to each other.
>> readf assumes no data is there and all my formatting goes to pot. is
>> there anyway of getting either excel to write csvs out with dummy
>> values (-99.9 for example) or of getting IDL to read in a missing data
>> point as a dummy value?
>
> I do this by reading in the entire line first, and then using stregex.
>
>
>   lformat = '(%"%100s")'   ; a really long string to read in each line
>   readf, lun, FORMAT = lformat, line
>   delimiter = ','
>   parts = strsplit(line, delimiter, $
>   count = count, /EXTRACT, /PRESERVE_NULL)
>   parts = strcompress(parts, /REMOVE_ALL)
>   nullidx = where(parts eq '', count)
>   if count gt 0 then begin
>   parts[nullidx] = !values.F_NAN
>   endif
>
>
> Just remember the keyword to strsplit: /PRESERVE_NULL.
>
> Hope this helps. If not, I hope someone has a better answer.
>
> Matt
>
> --
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I'm now reading .xls files natively in IDL using IDL's COM import

bridge and the Excel Application Object. I *may* be able to preview it
if anyone wants to "alpha" test it. I can't put the code out yet
because we had to enhance one of IDL's internal dlls to make this
possible. Anyone interested in testing it? Is there a project anyone
is working on that could benefit from such functionality?? Contact me
directly for more info: psommer@ittvis.com