Subject: Re: question on READ_CSV Posted by David Fanning on Tue, 05 Mar 2013 04:20:15 GMT

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andry writes:

```
> I have a CSV file (example below)
>
> 1,11,06,30,12,57,30,00,,69,39
> 2,11,06,30,13,17,30,00,,68,39
> 3,11,06,30,13,57,30,00,,77,52
> 4,11,06,30,13,57,30,00,,70,44
> 5,11,06,30,14,17,30,00,,72,64
>
> When I read the above file with READ_CSV
> a=READ_CSV(flnm, missing_value=-9999)
>
> I expect the column 9 (starting from 1) to be -9999. However, it skips that column as if there is no column with missing value at all.
> Does somebody know how I can force the function to assign the right missing value to that
```

Here is the problem:

column?

```
IDL > str = '1,11,06,30,12,57,30,00,69,39'
IDL> parts = StrSplit(str, ',', /Extract)
IDL> Help, parts
                 STRING
  PARTS
                            = Array[10]
IDL> FOR j=0,N_Elements(parts)-1 DO Print, parts[j]
1
   11
  06
   30
   12
  57
   30
  00
  69
   39
```

You see, the column has disappeared.

I don't think whoever wrote this program envisioned an entire COLUMN going missing. They were thinking about specific values in otherwise intact columns going missing.

I think I would try to find a way to stick my -9999 between those two

extra commas in the data file.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: http://www.idlcoyote.com/

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

Subject: Re: question on READ_CSV
Posted by andry on Tue, 05 Mar 2013 04:28:36 GMT
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```
On Tuesday, March 5, 2013 12:50:15 AM UTC-3:30, David Fanning wrote:
> andry writes:
>
>
>> I have a CSV file (example below)
>>
>> 1,11,06,30,12,57,30,00,,69,39
>> 2,11,06,30,13,17,30,00,,68,39
>> 3,11,06,30,13,37,30,00,,77,52
>> 4,11,06,30,13,57,30,00,,70,44
>> 5,11,06,30,14,17,30,00,,72,64
>
>>
>> When I read the above file with READ_CSV
>> a=READ_CSV(flnm, missing_value=-9999)
>
>>
>> I expect the column 9 (starting from 1) to be -9999. However, it skips that column as if there is
no column with missing value at all.
>>
```

>

```
>> Does somebody know how I can force the function to assign the right missing value to that
column?
>
>
  Here is the problem:
>
>
>
   IDL> str = '1,11,06,30,12,57,30,00,69,39'
>
>
   IDL> parts = StrSplit(str, ',', /Extract)
>
>
   IDL> Help, parts
>
>
                    STRING = Array[10]
>
      PARTS
   IDL> FOR j=0,N_Elements(parts)-1 DO Print, parts[j]
>
>
>
   1
>
      11
>
>
      06
>
>
      30
>
>
      12
>
>
      57
>
>
>
      30
>
      00
>
>
      69
>
>
      39
>
>
>
  You see, the column has disappeared.
>
>
  I don't think whoever wrote this program envisioned an entire COLUMN
>
  going missing. They were thinking about specific values in otherwise
```

```
>
 intact columns going missing.
>
  I think I would try to find a way to stick my -9999 between those two
  extra commas in the data file.
>
>
 Cheers,
>
>
>
 David
  David Fanning, Ph.D.
 Fanning Software Consulting, Inc.
  Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
  Sepore ma de ni thue. ("Perhaps thou speakest truth.")
```

Thanks David,

I guess you are right, if I just stick -9999 at the very first line, then everything works fine.

```
Subject: Re: question on READ_CSV
Posted by on Tue, 05 Mar 2013 07:40:21 GMT
```

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Den tisdagen den 5:e mars 2013 kl. 05:28:36 UTC+1 skrev andry:

> I guess you are right, if I just stick -9999 at the very first line, then everything works fine.

A space works, too. In case you want to continue using your code when you suddenly have data that could involve large negative numbers.

Subject: Re: question on READ_CSV
Posted by jeffnettles4870 on Tue, 05 Mar 2013 12:37:30 GMT
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```
On Monday, March 4, 2013 11:20:15 PM UTC-5, David Fanning wrote:
> andry writes:
>
>
>> I have a CSV file (example below)
>>
>> 1,11,06,30,12,57,30,00,,69,39
>> 2,11,06,30,13,17,30,00,,68,39
>> 3,11,06,30,13,37,30,00,,77,52
>> 4,11,06,30,13,57,30,00,,70,44
>> 5,11,06,30,14,17,30,00,,72,64
>>
>
>> When I read the above file with READ CSV
>> a=READ_CSV(flnm, missing_value=-9999)
>>
>> I expect the column 9 (starting from 1) to be -9999. However, it skips that column as if there is
no column with missing value at all.
>
>>
>> Does somebody know how I can force the function to assign the right missing value to that
column?
>
>
 Here is the problem:
>
>
>
   IDL> str = '1,11,06,30,12,57,30,00,69,39'
>
>
   IDL> parts = StrSplit(str, ',', /Extract)
>
>
   IDL> Help, parts
>
      PARTS
                    STRING
                              = Array[10]
```

```
>
   IDL> FOR j=0,N_Elements(parts)-1 DO Print, parts[j]
>
>
   1
>
>
>
      11
>
      06
>
>
      30
>
>
      12
>
>
      57
>
>
      30
>
>
      00
>
>
      69
>
>
      39
>
>
>
>
  You see, the column has disappeared.
>
>
>
  I don't think whoever wrote this program envisioned an entire COLUMN
>
  going missing. They were thinking about specific values in otherwise
>
  intact columns going missing.
>
>
>
>
  I think I would try to find a way to stick my -9999 between those two
  extra commas in the data file.
>
>
>
>
> Cheers,
>
>
> David
```

```
>
> --
>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")
You can get around this with the /preserve_null keyword to strsplit():
NVI > str = '1,11,06,30,12,57,30,00,69,39'
ENVI> parts = StrSplit(str, ',', /Extract, /Preserve_Null)
ENVI> idx = where(parts eq ", count)
ENVI> if count gt 0 then parts[idx] = '-9999'
ENVI> Help, parts
              STRING = Array[11]
PARTS
ENVI> FOR j=0,N_Elements(parts)-1 DO Print, parts[j]
11
06
30
12
57
30
00
-9999
69
39
ENVI>
Cheers,
Jeff
```