
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
> 3,11,06,30,13,37,30,00,,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.")

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
>
> 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.")

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 [jeffnetles4870](#) 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)

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>> 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
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>
> 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  
PARTS      STRING  = Array[11]  
ENVI> FOR j=0,N_Elements(parts)-1 DO Print, parts[j]  
1  
11  
06  
30  
12  
57  
30  
00  
-9999  
69  
39  
ENVI>
```

Cheers,
Jeff
