
Subject: Re: How to read the data like this?
Posted by [R.Bauer](#) on Tue, 30 Sep 2003 11:48:42 GMT
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Dear Likun,

I would suggest to do convert first missing data blanks into fill_Value and read this data then again.

e.g.

```
file='test.dat'
n=file_lines(file)
txt=make_array(n,/string)
openr,lun,/get_lun,file
readf,lun,txt
free_lun,lun

;separator=string(9b); if it is tab delimited
separator='  '; if it is two blanks
fill_value=999.0

for i=0,n-1 do
  txt[i]=replace_string(txt[i],separator+separator,separator+n 2s(fill_value)+separator)

for i=0,n-1 do
  txt[i]=replace_string(txt[i],separator+separator,separator+n 2s(fill_value)+separator)

openw,lun,/get_lun,file+'.txt',width=200
printf,lun,txt
free_lun,lun

x=read_data_file(file+'.txt')
```

The routines replace_string, n2s and read_data_file you'll find in our library.

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

regards

Reimar

wang_likun@yahoo.com wrote:

> Hi,all:
>

> Could you give me help to read the data with fixed column and rows but
> containing some missing data? Something like this:

```
> -----  
> 871.0 1288 -2.9 -5.5 82 2.93 300 5 281.1 289.6 281.6  
> 868.0 1315 -3.5 -8.5 68 2.33 286 5 280.8 287.6 281.2  
> 850.0 1478 -2.3 -7.2 69 2.63 200 7 283.7 291.4 284.2  
> 836.0 1610 -1.5 -7.5 64 2.61 188 9 285.9 293.7 286.4  
> 816.2 1800 -3.0 -8.0 69 2.58 170 12 286.3 293.9 286.7  
> 785.8 2100 -5.4 -8.8 77 2.52 175 17 286.8 294.3 287.2  
> 780.0 2158 -5.9 -8.9 79 2.51 176 18 286.9 294.4 287.4
```

--

Reimar Bauer

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a IDL library at ForschungsZentrum Juelich

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

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Subject: Re: How to read the data like this?

Posted by [Wonko\[3\]](#) on Tue, 30 Sep 2003 12:13:00 GMT

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wang_likun@yahoo.com (wang_likun@yahoo.com) writes:

> Hi,all:

> Could you give me help to read the data with fixed column and rows but
> containing some missing data? Something like this:

[...]

You can do this easily using READ_ASCII. Create a template before
this, using fixed width:

```
mytemplate = ascii_template( filename )  
result = read_ascii( filename, template=mytemplate )
```

If you need to do this more often, I suggest to either SAVE the
template to a file, or create this structure in your program on the
fly.

Alex

--

Alex Schuster Wonko@wonkology.org
alex@pet.mpin-koeln.mpg.de

PGP Key available

Subject: Re: How to read the data like this?

Posted by [wang_likun](#) on Wed, 01 Oct 2003 23:05:45 GMT

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Thanks a lot, it works.

Likun~

Wonko@wonkology.org (Alex Schuster) wrote in message
news:<8up3jj2ed8B@wonkology.org>...

> wang_likun@yahoo.com (wang_likun@yahoo.com) writes:

>

>> Hi,all:

>

>> Could you give me help to read the data with fixed column and rows but

>> containing some missing data? Something like this:

>

> [...]

>

> You can do this easily using READ_ASCII. Create a template before
> this, using fixed width:

>

> mytemplate = ascii_template(filename)

> result = read_ascii(filename, template=mytemplate)

>

> If you need to do this more often, I suggest to either SAVE the

> template to a file, or create this structure in your program on the

> fly.

>

> Alex

Subject: Re: How to read the data like this?

Posted by [R.Bauer](#) on Thu, 02 Oct 2003 09:24:13 GMT

[View Forum Message](#) <> [Reply to Message](#)

wang_likun@yahoo.com wrote:

> Thanks a lot, it works.

>

> Likun~

What did read_ascii use as fill_value ?

is it 0.0 ?

Reimar

```
>
> Wonko@wonkology.org (Alex Schuster) wrote in message
news:<8up3jj2ed8B@wonkology.org>...
>
>> wang_likun@yahoo.com (wang_likun@yahoo.com) writes:
>>
>>
>>> Hi,all:
>>
>>
>>> Could you give me help to read the data with fixed column and rows but
>>> containing some missing data? Something like this:
>>
>> [...]
>>
>> You can do this easily using READ_ASCII. Create a template before
>> this, using fixed width:
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>> mytemplate = ascii_template( filename )
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>> If you need to do this more often, I suggest to either SAVE the
>> template to a file, or create this structure in your program on the
>> fly.
>>
>>      Alex
```

--

Reimar Bauer

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a IDL library at ForschungsZentrum Juelich

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

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