
Subject: Get rid of unwanted lines.

Posted by [xiao zhang](#) on Fri, 05 Sep 2008 19:23:13 GMT

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Hi~ everyone, i have some data like this:

```
    1123.97    000    15.0600    000    271.850    000
    000        000    000        000    000
000
    1127.98    000    15.2800    000    270.650    000
    000        000    000        000    000
000
    1136.68    000    15.5100    000    269.300    000
    000        000    000        000    000
000
    1139.05    000    15.7500    000    267.860    000
    000        000    000        000    000
000
    000        000    000        000    000
000
    000        000    000        000    000    000
    000        000    000        000    000    000
    1145.10    000    15.9900    000    266.410    000
    1155.74    000    16.2300    000    265.010    000
    1163.19    000    16.4500    000    263.700    000
```

I want to delete these zero lines and write other lines to another file. How can I fulfill this ?

Anyone have good ideas?

Thank you

Subject: Re: Get rid of unwanted lines.

Posted by [xiao zhang](#) on Mon, 08 Sep 2008 18:53:16 GMT

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On Sep 5, 5:10 pm, Jean H <jghas...@DELTHIS.ucalgary.ANDTHIS.ca> wrote:

> xiao wrote:

>> On Sep 5, 4:15 pm, mankoff <mank...@gmail.com> wrote:

>>> On Sep 5, 5:07 pm, xiao <littledd...@gmail.com> wrote:

>

>>>> On Sep 5, 2:34 pm, Jean H <jghas...@DELTHIS.ucalgary.ANDTHIS.ca>

>>>> wrote:

>>>> > xiao wrote:

>>>> >> Hi~ everyone, i have some data like this:

```
>>>> >>    1123.97    000    15.0600    000    271.850    000
>>>> >>    000        000    000        000    000
>>>> >> 000
```

```

>>>> >> 1127.98 000 15.2800 000 270.650 000
>>>> >> 000 000 000 000 000
>>>> >> 000
>>>> >> 1136.68 000 15.5100 000 269.300 000
>>>> >> 000 000 000 000 000
>>>> >> 000
>>>> >> 1139.05 000 15.7500 000 267.860 000
>>>> >> 000 000 000 000 000
>>>> >> 000
>>>> >> 000 000 000 000 000
>>>> >> 000
>>>> >> 000 000 000 000 000
>>>> >> 000
>>>> >> 000 000 000 000 000
>>>> >> 000
>>>> >> 1145.10 000 15.9900 000 266.410 000
>>>> >> 1155.74 000 16.2300 000 265.010 000
>>>> >> 1163.19 000 16.4500 000 263.700 000
>>>> >> I want to delete these zero lines and write other lines to another
>>>> >> file. How can I fulfill this ?
>>>> >> Anyone have good ideas?
>>>> >> Thank you
>>>> > so, do you always have 6 numbers per lines?
>>>> > do something like this:
>>>> > filename = 'originalFile.txt'
>>>> > nbLines = file_lines(filename) ;get the number of lines in the file
>>>> > data = fltarr(nbLines) ;create an array to get all the data
>>>> > openR, lun, filename, /get_lun ;open the file
>>>> > readf, lun, data ;get all the data
>>>> > close,lun ;close the file
>>>> > free_lun,lun
>>>> > ;Select the good lines, the ones that do NOT have only zeroes
>>>> > badLines = where(data[0,*] eq 0 and data[1,*] eq 0 and data[2,*] eq 0
>>>> > and data[3,*] eq 0 and data[4,*] eq 0 and data[5,*] eq 0, complement =
>>>> > goodLines)
>>>> > ;open and write the output!
>>>> > openW,lun, new_fileName, /get_lun
>>>> > printf,data[*],goodLines]
>>>> > close,lun
>>>> > free_lun,lun
>>>> > Jean
>>>> > PS: since you deal with float data, you might have to replace data[x,*]
>>>> > eq 0 by abs(data[x,0]) lt epsilon, epsilon being a number small
>>>> > enough to be considered as zero. Read David's Fanning website under "the
>>>> > sky is falling".
>>>> > yes, it works, but another question arouse. When I have eight columns,
>>>> > after i write them to another file, these numbers are not in the same
>>>> > line. The last two numbers are in another line like this:

```

```

>>>> 964.850 0.00000 25.3800 0.00000 335.750
>>>> 0.00000
>>>> 0.237400 0.00000
>>>> 964.510 0.00000 25.0400 0.00000 338.800
>>>> 0.00000
>>>> 0.240100 0.00000
>>>> 964.140 0.00000 24.6500 0.00000 342.150
>>>> 0.00000
>>>> 0.245400 0.00000
>>>> 963.750 0.00000 24.2800 0.00000 345.690
>>>> 0.00000
>>>> 0.250700 0.00000
>>>> Why is that? thx
>>> See WIDTH keyword to OPEN command.
>
>> Thank you ,very much. it works. But when i read these files again in
>> the same program like this:
>
>> OPENr,3, 'sdata1.eol'
>> OPENr,4, 'wdata1.eol'
>
>> subsdata=fltarr(levlesforp,8)
>> subwdata=fltarr(levlesforh,6)
>
>> READF,3,subsdata
>> readf,4, subwdata
>
>> it always says, end of file encountered. levlesforp and levlesforh
>> are exactly the lines of the file generated last step. eight and six
>> are the column number, why is that?
>
> I guess you are using the number of lines from the original file. Now
> you are reading the new file with less lines. There is not enough lines
> to "feed" the array!
> Do levlesforp = file_lines(sdata1.eol) before
>
> jean

```

Thank you ~ :)