
Subject: Re: Get rid of unwanted lines.

Posted by [mankoff](#) on Fri, 05 Sep 2008 21:15:18 GMT

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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.
