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Subject: Skip line in reading a file  
Posted by [Fred\[1\]](#) on Wed, 26 May 2010 06:54:32 GMT  
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Hi to everybody,  
I need to read a file of n columns "namefile", but also I need to select only the lines where the variable in column 3, i.e. [2,\*], for example, has value larger than X.  
I tried this way:

```
n1=numlines(namefile)
```

```
OPENR, 1, namefile  
aaa=fltarr(col,n1)  
readf,1,aaa  
close,1
```

```
aa = REFORM(aaa[2,*])  
if aa[2,*] gt X then a[*,*] = aaa[*,*]
```

The array a should be an array a[col,n2], where n2 is the number of the lines where aa[2,\*] gt X.

But

```
help,/st,a
```

gives an array with columns=col and lines=n1!!!

So it completes the routine without errors but does not select the lines where aa[2,\*] gt X.

I could not use Skipline of readcol, because it skips only the first line. There should be an easy way to do it.

Thanks

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Subject: Re: Skip line in reading a file  
Posted by [penteado](#) on Wed, 26 May 2010 07:30:34 GMT  
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```
aaa=(read_ascii(namefile)).(0)  
w=where(aaa[2,*] gt X,nw)  
if (nw gt 0) then a=aaa[* ,w] else ...(deal with the case of skipping  
all lines)...
```

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Subject: Re: Skip line in reading a file  
Posted by [mankoff](#) on Wed, 26 May 2010 07:34:28 GMT  
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On May 25, 11:54 pm, Fred <fedef...@gmail.com> wrote:

```

> Hi to everybody,
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> select only the lines where the variable in column 3, i.e. [2,*], for
> example, has value larger than X.
> I tried this way:
>
> n1=numlines(namefile)
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> OPENR, 1, namefile
> aaa=fltarr(col,n1)
> readf,1,aaa
> close,1
>
> aa = REFORM(aaa[2,*])
> if aa[2,*] gt X then a[*,*] = aaa[*,*]
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> The array a should be an array a[col,n2], where n2 is the number of
> the lines where aa[2,*] gt X.
> But
> help,/st,a
> gives an array with columns=col and lines=n1!!!
> So it completes the routine without errors but does not select the
> lines where aa[2,*] gt X.
> I could not use Skipline of readcol, because it skips only the first
> line. There should be an easy way to do it.
> Thanks

```

```

a = randomu(seed,3,10) ; 3 col x 10 row array of random values
gd = where(a[2,*] gt 0.5, ngd) ; All rows where 3rd column > 0.5
if ngd gt 0 then aa = a[*,gd] ; subset 1st array

```

-k.