## Subject: Re: Extracting info from the ASCII file with IDL Posted by Kenneth P. Bowman on Thu, 18 Nov 2010 16:27:21 GMT

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## In article

<33c71657-40d7-4f24-9752-553f1ff7ec9b@j1g2000vbl.googlegroups.com>, Sasha Singh <sashasingh.511@gmail.com> wrote:

- > Hi,
- > I have a ASCII text file whose entries look like this
- > 111 AA 25 XX > 111 AB -5 XX > 222 AC 25 XX > 222 XX AD 20 > 222 AΕ 21 XX > 333 ΑF 88 XX > 444 AG 21 XX > 444 AH 90 XX
- > and so on.....
- > In this file the first column represents a unique number refering to
- > an experiment. Any particular experiment
- > was repeated a random number of times, such as experiment 111 was
- > repeated twice, experiment 222 was
- > repeated 3 times, experiment 333 was done only once. I need to know
- > how many unique experiments were done.
- > To clarify it further, in above example 4 experiments (111, 222, 333)
- > and 444) were done. I need to know this in a file which has 1300 rows.
- > Please help.

Read the file. Sort the first column. Then use UNIQ.

Ken Bowman

Subject: Re: Extracting info from the ASCII file with IDL Posted by Gray on Thu, 18 Nov 2010 16:40:36 GMT

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On Nov 18, 10:38 am, Sasha Singh <sashasingh....@gmail.com> wrote:

- > Hi,
- > I have a ASCII text file whose entries look like this
- AA 25 XX > 111 > 111 AB -5 XX > 222 AC 25 XX > 222 AD 20 XX > 222 AΕ 21 XX

> 333	AF	88	XX
> 444	AG	21	XX
> 444	AH	90	XX

- > and so on.....
- > In this file the first column represents a unique number refering to
- > an experiment. Any particular experiment
- > was repeated a random number of times, such as experiment 111 was
- > repeated twice, experiment 222 was
- > repeated 3 times, experiment 333 was done only once. I need to know
- > how many unique experiments were done.
- > To clarify it further, in above example 4 experiments (111, 222, 333
- > and 444) were done. I need to know this in a file which has 1300 rows.
- > Please help.

Use READCOL from the NASA IDL astronomy library to read the first column. Then do n\_elements(uniq(data,sort(data))).

Subject: Re: Extracting info from the ASCII file with IDL Posted by penteado on Thu, 18 Nov 2010 16:55:40 GMT View Forum Message <> Reply to Message

On Nov 18, 2:40 pm, Gray <grayliketheco...@gmail.com> wrote:

- > Use READCOL from the NASA IDL astronomy library to read the first
- > column. Then do n elements(uniq(data,sort(data))).

Or use the built in read\_ascii(). Like:

IDL> a=((read\_ascii('unascii.txt')).(0))[0,\*] IDL> print,n\_elements(uniq(a[sort(a)])) 4