
Subject: extrac subarrays

Posted by [lucsmm](#) on Wed, 19 Nov 2014 20:26:20 GMT

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I have a big file that I read as a string array and there are various sub arrays within it. I can detect where they start by using "Where" but I don't know when they end (They all have different # rows)
I need to extract them as a float array separately

Any help?

Header
coment
coment
coment
more info

...
Fist array
unit unit unit unit unit unit
0.24 0.18 0.13 0.69 0.46 0.07
0.83 0.77 0.14 0.61 0.15 0.20
0.50 0.02 0.16 0.39 0.33 0.63
0.20 0.74 0.23 0.37 0.69 0.68
0.02 0.13 0.24 0.06 0.45 0.56
0.64 0.50 0.88 0.31 0.12 0.93
0.77 0.49 0.99 0.26 0.70 0.92
0.86 0.97 0.12 0.97 0.78 0.23
0.54 0.51 0.90 0.03 0.93 0.25
0.34 0.66 0.86 0.30 0.39 0.67
1.00 0.95 0.53 0.89 0.74 0.93
0.39 0.71 0.03 0.37 0.53 0.35
0.77 0.55 0.92 0.94 0.83 0.89

second array
unit unit unit unit unit unit
0.67 0.58 0.62 0.73 0.11 0.21
0.87 0.03 0.16 0.13 0.24 0.92
0.86 0.71 0.91 0.13 0.53 0.54
0.90 0.71 0.22 0.92 0.89 0.60
0.05 0.49 0.92 0.59 0.16 0.24
0.41 0.25 0.56 0.74 0.17 0.81
0.39 0.48 0.42 0.03 0.75 0.80
0.29 0.15 0.28 0.17 0.31 0.63
0.93 0.81 0.89 0.83 0.19 0.57
0.14 0.31 0.51 0.45 0.99 0.88
0.38 0.38 0.17 0.97 0.88 0.16
0.71 0.38 0.70 0.13 0.60 0.70
0.57 0.48 0.70 0.00 0.19 0.12
1.00 0.90 0.64 0.13 0.97 0.19

```
0.78 0.41 0.61 0.05 0.43 0.52
0.09 0.41 0.61 0.83 0.69 0.06
0.39 0.11 0.91 0.27 0.69 0.02
0.52 0.32 0.74 0.51 0.37 0.85
```

Third array

```
unit unit unit unit unit unit
```

```
0.41 0.81 0.43 0.77 0.99 0.36
0.28 0.63 0.63 0.84 0.17 0.08
0.50 0.03 0.40 0.93 0.60 0.30
0.59 0.02 0.12 0.44 0.17 0.61
0.21 0.93 0.24 0.02 0.55 0.70
0.10 0.44 0.40 0.29 0.30 0.82
0.03 0.23 0.67 0.80 0.80 0.49
0.78 0.18 0.95 0.06 0.70 0.67
0.66 0.02 0.92 0.37 0.15 0.87
0.53 0.71 0.99 0.18 0.72 0.46
```

Subject: Re: extrac subarrays

Posted by rryan%stsci.edu on Wed, 19 Nov 2014 20:32:31 GMT

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If you can detect them with where, then why can't you just loop over the results of where?

```
;or some such line
```

```
g=where(line eq 'unit unit unit...',n)
```

```
for i=0,n-2 do begin
```

```
  data=lines[g(i):g(i+1)]
```

```
;now parse data accordingly
```

```
endfor
```

On Wednesday, November 19, 2014 3:26:22 PM UTC-5, lucesmm wrote:

> I have a big file that I read as a string array and there are various sub arrays within it. I can detect where they start by using "Where" but I don't know when they end (They all have different # rows)

> I need to extract them as a float array separately

>

> Any help?

>

> -----

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> ...
> Fist array
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> 0.24 0.18 0.13 0.69 0.46 0.07
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> 0.71 0.38 0.70 0.13 0.60 0.70
> 0.57 0.48 0.70 0.00 0.19 0.12
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```
> 0.10 0.44 0.40 0.29 0.30 0.82
> 0.03 0.23 0.67 0.80 0.80 0.49
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> 0.66 0.02 0.92 0.37 0.15 0.87
> 0.53 0.71 0.99 0.18 0.72 0.46
> -----
```

Subject: Re: extrac subarrays

Posted by [lucsmm](#) on Wed, 19 Nov 2014 20:44:42 GMT

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On Wednesday, November 19, 2014 12:32:32 PM UTC-8, rryan@s...@gtempaccount.com wrote:

```
> If you can detect them with where, then why can't you just loop over the results of where?
```

```
>
```

```
> ;or some such line
```

```
> g=where(line eq 'unit unit unit...',n)
```

```
>
```

```
> for i=0,n-2 do begin
```

```
>   data=lines[g(i):g(i+1)]
```

```
>
```

```
> ;now parse data accordingly
```

```
>
```

```
> endfor
```

```
>
```

```
>
```

```
>
```

```
>
```

```
>
```

```
> On Wednesday, November 19, 2014 3:26:22 PM UTC-5, lucsmm wrote:
```

```
>> I have a big file that I read as a string array and there are various sub arrays within it. I can
detect where they start by using "Where" but I don't know when they end (They all have different #
rows)
```

```
>> I need to extract them as a float array separately
```

```
>>
```

```
>> Any help?
```

```
>>
```

```
>> -----
```

```
>> Header
```

```
>> coment
```

```
>> coment
```

```
>> coment
```

```
>> more info
```

```
>> ...
```

```
>> Fist array
```

```
>> unit unit unit unit unit unit
```

```
>> 0.24 0.18 0.13 0.69 0.46 0.07
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>> 0.50 0.02 0.16 0.39 0.33 0.63
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>> 0.93 0.81 0.89 0.83 0.19 0.57
>> 0.14 0.31 0.51 0.45 0.99 0.88
>> 0.38 0.38 0.17 0.97 0.88 0.16
>> 0.71 0.38 0.70 0.13 0.60 0.70
>> 0.57 0.48 0.70 0.00 0.19 0.12
>> 1.00 0.90 0.64 0.13 0.97 0.19
>> 0.78 0.41 0.61 0.05 0.43 0.52
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>> 0.39 0.11 0.91 0.27 0.69 0.02
>> 0.52 0.32 0.74 0.51 0.37 0.85
>> Third array
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>> 0.53 0.71 0.99 0.18 0.72 0.46
>> -----

```

Well

I was just doing Where(file EQ First array), Where(file EQ Tenth array)

and also I don't want all the sub arrays stored

let's say I want the first and the tenth (there are like 50 sub arrays in the file)
