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Subject: Re: Oooh...! It's harder than I thought!! To get average of each line using only meaningful data

Posted by [edward.s.meinel@aero](mailto:edward.s.meinel@aero). on Tue, 24 Jul 2007 15:40:26 GMT

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On Jul 24, 8:47 am, Conor <cmanc...@gmail.com> wrote:

```
>  
> totals = total(data_arr,1)/total(data_arr<1,1)  
>  
> total(data_arr,1) returns a row vector where each element is the total  
> of a single line of data. total(data_arr<1,1) does essentially the  
> same thing, but first it imposes a ceiling on the array, so that no  
> value is greater than 1. Then, when you total across a line, what you  
> get is the total number of non-zero elements.
```

Very clever, Conor! It just needs one small change: You have assumed that the total number of non-zero elements is, well, non-zero. If there are no non-zero elements, it will choke, so just do,

```
totals = total(data_arr,1)/(total(data_arr<1,1) > 1)
```

I use the `*/(* > 1)` trick quite frequently.

Ed

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