
Subject: Re: problem in finding average for every 100 points in a data set.

Posted by [Craig Markwardt](#) on Sat, 01 Feb 2014 04:34:22 GMT

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On Friday, January 31, 2014 9:26:48 PM UTC-5, arsood wrote:

> Can please anybody tell me is my code correct and how can I print all non zero values in first place??

This code:

```
> bb(i) = mean(B(i:i+200))
```

is incorrect because you are averaging 201 points, not 100 points. Also, the variable I increases by 100 every step, so you only put valid data in B[] every 100th point.

If you are going to do it with a loop, then keep track of input array and output array separately, like this.

```
i = 0L
j = 0L
while i LT (n-100) do begin
  bb(j) = mean(b(i:i+99))
  i = i + 100 ;; Advance to next block in B
  j = j + 1   ;; Advance to next position in BB
endwhile
n_output = j
print, bb(0:n_output-1)
```

CM
