

## Assignment 1 - (5 points)

Your assignment for next Wednesday (the 3rd) is to get some familiarity with Octave/Matlab by writing a program that reads from a file and produces a plot based on the data.

Your program will read each measurement contained in the file "DataA1.txt" (which I have provided). For each successive measurement  $m$  plot the mean of all the measurements up to and including measurement  $m$ . For example, after reading the first measurement your mean will be equal to that measurement so its value will be plotted. After reading the second measurement you will plot the mean of it and the first measurement. After reading the third measurement you will plot the mean of it and the previous two measurements (i.e., their sum divided by 3), and so on.

In addition to your plot of successive means, print the value of the final mean.

Submit a PDF document containing your program and output/plot by email to me (uhlmannj@missouri.edu) before the beginning of class on Wednesday.

*This should be the easiest 5 points of the semester!*