**ICS 485: Machine Learning  
First Semester 2019/2020 (191)  
Assignment No. 3**

### Q2. In the function \*\*density\_plot\*\*, the code for plotting the Gaussian density focuses on the region within 3 standard deviations of the mean. Do you see where this happens? Why do you think we make this choice?

Because according to the central limit theorem, 99.5% of the data is there, and this avoids outliers

### Q3. Here's something for you to figure out: for which feature (0-3) does the distribution of (training set) values for species-2 have the \*smallest\* standard deviation? what is the value?