**Goal:** Implement the models we learned about in this class

1. Plot a decision tree fitted to the Wine Quality dataset.
2. Try random forest, SVM, and Naïve Bayes on the Wine dataset for red-white classification, using the last 200 datapoints (after shuffling) for testing and get the accuracy of each model.

**Make sure you shuffle the dataset before you run the models!**

**Bonus tasks**:

1. Try KNN with 10 neighbors and measure its accuracy.
2. Explore what happens when you only include 100 red wine samples. Compare accuracy, precision, and recall for this now when just predicting white every time.
3. Explore the idea of the decision tree regressor — how does it work and how good is it?

Lab 6 Level 1

Lab 6 Level 2

Lab 6 Level 3

Lab 6 Key