

LAB 1

Goals/Tasks:

1. find the mean, median, min, and max of the fixed acidity for both red and white wines
2. for this goal, we only look at the red wine:
 - a. create a pandas DataFrame for the red wine dataset
 - b. find the standard deviations of all of the features within the red wine dataset
 - c. choose one of the features and scale every value based on the maximum value of that column

Try the data exploration process on your own using the **fixed acidity** info from the wine quality dataset

<https://archive.ics.uci.edu/ml/datasets/wine+quality> with nearly 5000 datapoints! Note: the data is formatted slightly differently, so be careful!

Bonus:

Generate a plot comparing two of the features. For the first feature, color all of the points that are within one stdev green, and all of the rest of the points red.

Choose a lab version that best suits your knowledge.

Lab 1 Level 1

With guidance

Lab 1 Level 2

No guidance