

Lab 4

Goal: Test out K-means clustering and PCA on the wine quality dataset

Now it's your turn with the wine dataset:

1. Use K-means clustering, see how similar it is to the actual classes, and try different values of k .
2. Plot the clusters
3. Use PCA to remove different numbers of dimensions and see how it affects accuracy. Feel free to explore different classifiers (and different hyperparameters.)

[Lab 4 Level 1](#)

(guidance)

[Lab 4 Level 2](#)

(no guidance)