

Microsoft: DAT210x Programming with Python for Data Science

Heli

Bookmarks Start Here ▶ 1. The Big Picture 2. Data And Features • 3. Exploring Data 4. Transforming Data ▼ 5. Data Modeling **Lecture: Clustering** Quiz Lab: Clustering Lab **Lecture: Splitting Data** Quiz Lecture: K-Nearest Neighbors Quiz

Lab: K-Nearest Neighbors

5. Data Modeling > Lab: K-Nearest Neighbors > Assignment 5

Assignment 5

☐ Bookmark this page

Lab Assignment 5

Remember that wheat dataset you used while exploring visualizations? It's about to make a comeback! While learning the many classification algorithms we're going to cover in the next few sections, it's a good idea to have a 'benchmark dataset' to come back to, so you can can compare the performance and accuracy of other algorithms.

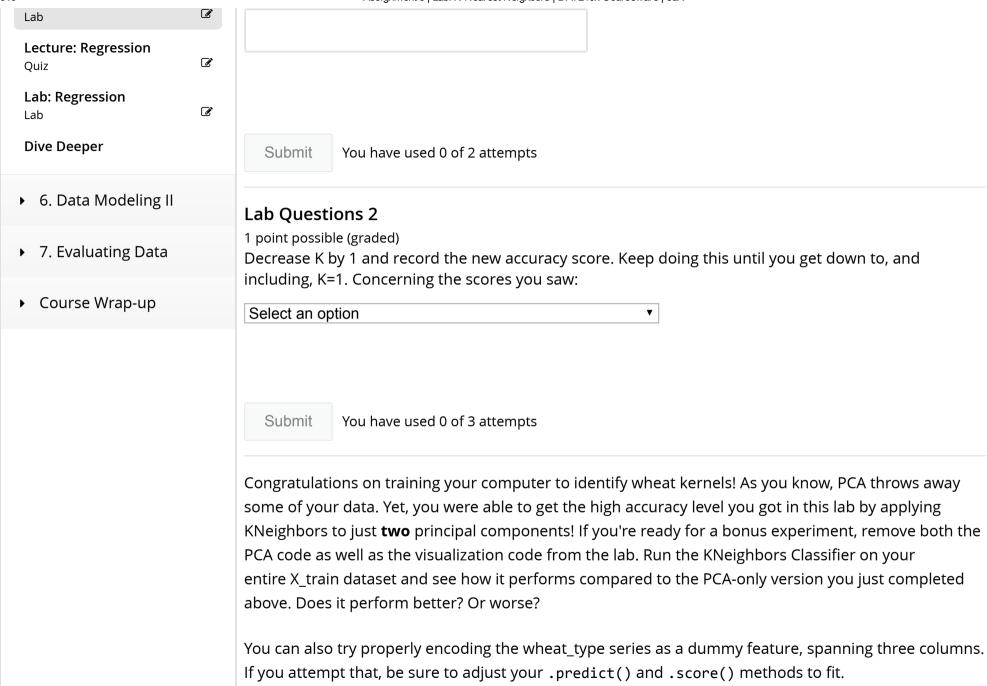
- 1. Start by looking through the starter code /Module5/assignment5.py and /Module1/Datasets/wheat.data
- 2. Complete the assignment except for the bonus instruction.
- 3. Try experimenting with other feature scaling methods, in addition to normalize(), to see how they affect the decision boundary.
- 4. Then, answer the following questions.

Lab Questions 1

1 point possible (graded)

Please enter a numeric value (e.g. 0, 1, 10.5, etc) which correctly answers the question(s) below:

What is the accuracy score of your KNeighbors Classifier when K=9 (Enter as a decimal)?



© All Rights Reserved



© 2016 edX Inc. All rights reserved except where noted. EdX, Open edX and the edX and Open EdX logos are registered trademarks or trademarks of edX Inc.















