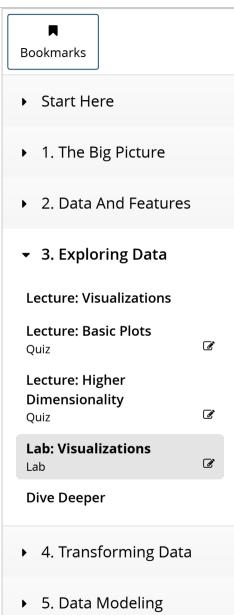**edX** | **Microsoft:** DAT210x Programming with Python for Data Science

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3. Exploring Data > Lab: Visualizations > Assignment 1

Assignment 1

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Lab Assignment 1

For this assignment, you'll be using the seeds data set, generated by recording X-Ray measurements of various wheat kernels. Start by opening up the starter code located in Module3/**assignment1.py**, and reading through it. Then, write code that...
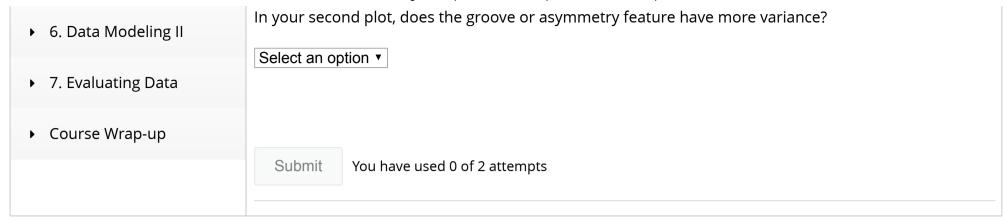
1. Loads the seeds dataset, located at Module3/Datasets/**wheat.data** into a dataframe

2. Creates a slice of your dataframe that only includes the **area** and **perimeter** features

3. Creates another slice that only includes the **groove** and **asymmetry** features

4. Creates a histogram for the 'area and perimeter' slice, and another histogram for the 'groove and asymmetry' slice. Set the optional display parameter: **alpha**=0.75

Once you're done, run your code and then answer the following questions about your work:

Lab Questions

2 points possible (graded)
Looking at your first plot, the histograms of area and perimeter, which feature do you believe more closely resembles a Gaussian / normal distribution?

Select an option ▾

In your second plot, does the groove or asymmetry feature have more variance?

Select an option ▾

Submit   You have used 0 of 2 attempts

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