Lab Assignment 2

In this assignment, you will further explore the wheat seeds data set. Start by opening up the starter code located in Module3/**assignment2.py**, and reading through it. Then, write code that...

1. Loads up the seeds dataset, located at Module3/Datasets/**wheat.data** into a dataframe
2. Create a 2d scatter plot that graphs the **area** and **perimeter** features
3. Create a 2d scatter plot that graphs the **groove** and **asymmetry** features
4. Create a 2d scatter plot that graphs the **compactness** and **width** features

Once you're done, answer the following questions about your work:

Lab Questions

(2/2 points)
Which of the three plots seems to totally be lacking any correlation?

Asymmetry x Groove ✔ **Answer:** Asymmetry x Groove

Which of the three plots has the most correlation?

Area x Perimeter ✔ **Answer:** Area x Perimeter

EXPLANATION

When you plot a dataframe, you have to specify which columns you want charted on the x and y axes: **df.plot.scatter(x='area', y='perimeter')**

As for correlation, look at the scatter plots and check for which ones seem like they follow a straight line more than the other. The straighter and tighter the line is, the more correlation. And of course, correlation can be either positive or negative, depending on the slope.

You have used 1 of 2 submissions


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