Lab Assignment 6

At this point, we know *you already know* everything *there is to know* about the individual, geometric properties of Canadian, Kama and Rosa wheat kernels. But before permanently deleting the wheat dataset, isn't it befitting to see how all of those properties correlate with one another? Finish off the wheat seed data set saga with this final visualization assignment on plotting images. Open up the starter code located in Module3/**assignment6.py**, and complete the code such that it...

1. Loads up the seeds dataset, located at Module3/Datasets/wheat.data into a dataframe
2. Drop the **id** column from the dataframe
3. Compute the correlation matrix of your dataframe
4. Graph the correlation matrix using **imshow** or **matshow** (either or)

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

Lab Questions

(3/3 points)
Which pair of features have the highest / greatest level of correlation?

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

Which feature seems to be the least correlated with the remaining features?

Asymmetry ✔ **Answer:** Asymmetry

Which pair of features have the smallest / least level of correlation? Be sure to check carefully! You might even need to print out the correlation matrix if it's hard to see

Asymmetry x Compactness ✔ **Answer:** Asymmetry x Compactness

EXPLANATION

The code for this should be a duplicate of the Imshow, higher dimensionality source codes. Just change the input dataset to wheat, and of course, add in this line:

cor = df.corr()

You have used 2 of 2 submissions

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