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Lab Assignment 3

Whole wheat is pretty healthy so for this assignment, you will continue using the wheat seeds data set. As usual, start by opening up the starter code located in Module3/**assignment3.py**, and reading through it. Then, write code that...

1. Loads up the seeds dataset, located at Module3/Datasets/**wheat.data**' into a dataframe. You should be very good at doing this by now.
2. Graph a 3D scatter plot using the **area**, **perimeter**, and **asymmetry** features. Be sure to label your axes, and use the optional display parameter **c**='red'.
3. Graph a 3D scatter plot using the **width**, **groove**, and **length** features. Be sure to label your axes, and use the optional display parameter **c**='green'.

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

Lab Questions

(2/2 points)

Which of the plots seems more compact / less spread out?

Groove x Length x Width ✔ **Answer:** Groove x Length x Width

Which of the plots were you able to visibly identify two outliers within, that stuck out from the samples?

Groove x Length x Width ✔ **Answer:** Groove x Length x Width

EXPLANATION

Having loaded the wheat seeds database, use the verbatim code in the 3D scatter plot section, just redirecting the file input to the wheat dataframe. Be sure to choose the right labels for your axes as well as for your scatter plot when you render it. Lastly, don't forget to use plt.show() at the end, otherwise nothing will show up!

You have used 1 of 2 submissions

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