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

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  Lab                                    ✏

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## Lab Assignment 5

This is the second last assignment you'll be using the wheat seeds data set with. And you guessed it--this lab is about experimenting with Andrew's Curve! There is **no** starter code this time 😊!

1. Create a copy your **assignment4.py**, naming it **assignment5.py**

2. Make **all** the changes required to convert the assignment from parallel coordinated into an Andrews curve plot

3. Run the file and then answer the first question below

4. Remember how you dropped the **id**, **area**, and **perimeter** features from your dataset? Well, add back in just the **area** and **perimeter** features, re-run your assignment again, then answer the second question below

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## Lab Questions

(2/2 points)
Are your outlier samples still easily identifiable in the plot?

No ▾     ✔  **Answer:** No

After adding in the area and perimeter features, does your plot suffer from the same feature scaling issue you had with parallel coordinates?

No ▾    ✔    **Answer:** No

**EXPLANATION**

Andrews Plots are a Fourier transformation. The outlier you saw earlier have now been absorbed into the plot.

*You have used 2 of 2 submissions*

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