

▼ INFO 212: Data Science Programming 1

CCI at Drexel University

Week 1-Lab 1: Setup and Review: Python and Jupyter Notebooks

We will be using a variety of tools in this course. To ensure everything goes smoothly moving forward, it is important to get familiar with the programming environment and libraries.

▼ Exercise 1:

Download the data set "anscombes.csv" from the course shell to a folder "info212":

- In a local environment, it would be good to store the data in the same folder where the notebook resides.
- Upload the file to your Google Drive folder "info212"

Print out the absolute path of the file in the file system.

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▼ Exercise 2:

Using Markdown to organize your personal information in paragraphs and lists. You must implement the following minimum requirements:

- Create at least 3 sections, *background*, *interests*, and *courses*.
- Use headings for section titles.
- Include an ordered list.
- Include an unordered list.
- Include hyperlinks pointing to external Web pages.
- Embed some images.
- Use **bold** and *italic* fonts.

Double-click (or enter) to edit

Import Conventions

The Python community has adopted a number of naming conventions for commonly used modules:

▼ Exercise 3:

Following the naming conventions, import the libraries, pandas, numpy, matplotlib, matplotlib.pyplot, and scipy. Print out the version number of each package.

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▼ Exercise 4:

Write a for loop to print out every pair of two consecutive letters (bi-grams) in the string "Hello World".

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