Last name _____

First name _____

LARSON—MATH 310–HOMEWORK WORKSHEET 01
Getting started with Python and Jupyter Notebooks.

Set up your JUPYTER notebook for this work.

1. Create a new Jupyter Notebook with Python as the kernel.

   If you don't have a preferred Jupyter Notebooks et-up, use Google Colab (`colab.google.com`), login with your VCU credentials, and use that. It's free, and part of the Google suite VCU pays for. Google Coalb has all the packages we'll need from our text including `numpy` and `matplotlib`.

2. Call this file **310-h01.ipynb**.

3. Make sure you have PYTHON as the *kernel*.

Assignment.

1. **Read** Sections 1.1 through 1.7 of Tsukada, et al., *Linear Algebra with Python*.

2. Our book has code examples. For each code example in those sections, copy the code and:

   (a) **Annotate** your code block so it clearly indicates which program this is. (So if you are writing the `table2.py` code, you should have "#table2.py", or a markup code block with "table2.py", etc—so if I search for that text string I'll find it.)

   (b) **Run** the code block in your Jupyter notebook. It should run. If you get an error, you need to fix that.

   As an alternative to cutting and pasting code from the book, you can also download all the code from the authors at:
   `https://www.math-game-labo.com/en/support/isbn9789819929511/`.

   The point now to get acquainted with Python, its syntax, basic mathematics and logical operators in Python, with the ultimate goal of using computations to reinforce what we are learning in class.

Getting your homework recorded

1. Save your Jupyter Notebook file (`310-h01.ipynb` file).

2. Send me an email (`clarson@vcu.edu`) with an informative header like
   "Math 310 - h01 homework attached" (so that it will be properly recorded and findable when I search for these emails).

3. Remember to **attach** the `.ipynb` file for this assignment.