

# Getting Started with Data Science Tools

These items are included in the Data Science prework and are intended to help students prepare for the first day of class. - Github Account - Installations - Syntax Practice

## Accounts

1. [] Create a Github account, if you don't already have one.

## Installations

Please follow the installation instructions below.

1. [] Install [Python 2.7](#)

- \*Note: Make sure to install version 2.7, NOT Python 3, which has significant differences from 2.7 and is not “industry standard.” We will be using Python 2.7.\*

2. [] Install [Anaconda](#)

- Follow the installation instructions for your computer (e.g. “Mac Install”).  
- Test that Anaconda and Python were installed correctly. For example, on a Mac you can by open a Terminal window (or the Anaconda Launcher app on your desktop) and type `ipython notebook`. If successful, in a few moments, your browser should open to a window titled “Jupyter.”

## Start Practicing

Review the following resources as an introduction to some commonly used concepts and tools.

1. [] Complete Codecademy's free ["Learn Python"](#) course to practice your Python syntax. Pay close attention to lists, dictionaries, and functions.
  - Bonus Option: Check out [Learn Python the Hard Way](#) and work through exercises 1-10.
2. [] Review our [Command Line](#) tutorial to familiarize yourself with basic Terminal

commands. Pay particular attention to folder navigation and file creation.

- Bonus Option: Run through these additional exercises from [Learn Command Line the Hard Way](#).
3. [ ] Read through this [10 minute guide to Pandas](#) to learn about a popular library used for data analysis that we will be using in this course.
- Bonus Option: Practice your Python by working through [Project Euler's computational problems](#).