PRE-WORK: DATA SCIENCE

GETTING STARTED WITH DATA SCIENCE

Congratulations on joining us at General Assembly for the Data Science course!

In order to help ensure your success in the course, we've made a pre-course checklist. **Complete all the items on the list** and when you arrive on your first day, you and your computer will be prepared for the first lesson. The more time spent familiarizing yourself with the tools in the pre-course tutorials (git, command line, python, etc), the better prepared you will be for success in this course.

We are so excited we are to have you join the General Assembly community!

PRE-COURSE SURVEYS

COMPLETE AS SOON AS POSSIBLE

- ▫ Complete the **Pre-course Prior Knowledge Survey**
- ▫ Complete the **Student Profile form**

ACCOUNTS AND INSTALLATIONS

COMPLETE BY THE FIRST DAY OF CLASS

- ▫ Create a **GitHub** account
- ▫ Install **Anaconda Python**
  - ▫ Follow the installation instructions for *Python 2.7* for your computer (e.g. "Mac Install). *Note: There is a Python 3, which has significant differences from 2.7 and is not "industry standard." We will be using Python 2.7.*
  - ▫ *Mac only:* Test that Anaconda and Python were installed correctly by opening a Terminal window and entering `ipython notebook` In a few moments, your browser should open to a window titled Jupyter. If this works, you may close your browser, return to the terminal window, and shutdown the notebook server.
  - ▫ *If your installation is not complete or you have questions about it, please plan to arrive to the first class at least 30 minutes early so the TAs can help you get set up.*

PRE-COURSE TUTORIALS

COMPLETE BY THE FIRST DAY OF CLASS

- Complete **Learn Python the Hard Way** through Lesson 35
- Complete missions 1, 2, and 5 from **Dataquest.io's Learning Python Course**.
- Complete **Learn Pandas** through Lesson 3
- Get comfortable using the command line using **GA's How to use the Command Line Tutorial**
  - *This tutorial uses visuals based on the Mac terminal, but this tutorial can also be used on Windows and Linux machines. As detailed on slide 12 of the tutorial, non-Mac users should download and use* **MSysGit.**
- Refresh your familiarity with **Probability and Statistics**