Homework 1

Problem 1
Communication will be key throughout this course. Minor gaps or misunderstandings early on tend to snowball into mountains of misinformation later. To that end, you will have the tools and resources to mitigate questions you have through your peers and instructors.

For problem 1, sign up for the General Assembly Data Science Slack channel. Then, send one message to the "**General**" channel with: your name, industry/area of study, and an interesting fact about yourself.

In the future, use Slack to ask your peers questions and private messages to your instructors for more help.

Problem 2
Future homeworks will almost always be submitted through IPython Notebooks (http://ipython.org/notebook.html). IPython notebooks allow interactive histories as well as dynamic plots within a single .ipynb file. If you have not already, install the Anaconda distribution https://www.continuum.io/downloads (Python 2.7 version). The Anaconda distribution includes many of the packages required, as well as instances of IPython Notebook and Spyder, a full featured IDE.

Problem 3
For the following scenarios, determine if the problem type is **supervised** or **unsupervised**, and whether it deals with **continuous** or **categorical** responses. List your reasoning as well.

a) As a quantitative researcher, you want to predict a stock's returns in the next 5 days.
b) As a scientist at AirBnb, you want to filter out all the 'bad' listings (i.e. scammers)
c) You have a collection of recipes that have been digitized. Whenever a user lists a set of ingredients they have on hand, you want to suggest possible recipes.

Save your answers as a PDF file, and submit it with the subject [HW01 – Student Name] to gadschicago@gmail.com