DATA 115: Introduction to Data Analytics
Week #1 Assignment
Fall 2020

Name: _____

1. Schedule a 10 minute meeting with me at this link for a time before 9/2. Slots are first come first serve - if none of the available times work for you, please send me an email so we can schedule a time to chat.

2. Which of the pie-type charts in the syllabus is the most helpful visualization of the grading policy breakdown? Write a couple of sentence explaining why.

3. List three examples of each of the following:
   (a) Data Type

   (b) Application Domain

   (c) Data Analytics Tool

   (d) Scientific or social issue that can be addressed with data

   (e) Career paths that use data analytics

4. One of the components of this course is the curation and presentation of a personal dataset. List two potential topics that you might be interested in gathering data on. For each topic, list a potential source of data and give a brief description of its type. For example, if you are interested in names you might collect data from the US Social Security Agency consisting of a time series of the number of people who are given each name each year. You won't be restricted to choosing one of the datasets you mention in this assignment for the longer term project, this is just a chance to start thinking about the type of data you might be able to collect and process.

5. Please refer to the workflow for data analysis given in the lecture slides. Describe the role of each step and how it affects its follow-up steps. In general, which step seems easiest? hardest? most time consuming? Why?