Assignment 1
Data Science Overview

Applied Data Science
Fall 2017

Instructions

This assignment has three (3) parts.

First, choose any two of the following four fields: machine learning, statistics, science communication and business analytics. Write one paragraph for each of the sections you chose comparing and contrasting data science and that field. Be sure to include both the similarities and the differences.

Second, consider a research question in a field you are interested in. For that research question, describe what is necessary at each step of the data science process to answer that research question. Among others, be sure to answer the questions, "What data will you need?", "How will you need to explore the data and what will you be looking for?", "What analytical techniques will be necessary?", "What charts or graphics are best suited for your data?".

Third, write a paragraph that compares and contrasts *data science* and *data analysis*. In your response, consider what tasks, methods, approaches, and questions concerning each field.

Submit your assignment as a pdf file with your name and email in the header, single-spaced and font no larger than 12pt. **Name your file per the course naming conventions: SU17-ADS-A1-YourLastName-YourFirstInitial.pdf**

The assignment will be graded on the quality and completeness of your answers as well as overall professionalism.