**Michelle Rice**

**DSC630-T301**

**Term Project Milestone 1**

**Project Plan**

For this project I will be working independently. My topic and datasets that I will be using are still being determined.

**Timelime:**

Week 2: This week will be spent researching available datasets and solidifying a topic for the project and writing a project proposal. Included in the proposal will be a plan for technical development, model deployment, testing and evaluation. Included in the proposal will also be expected results, an execution plan and any potential risks involved.

I expect the data selection and planning to be a very time consuming portion of the project and want to be sure I make a selection that will work well, so I will therefore be setting aside a great deal of time on this project this week.

Week 3 and 4: These weeks will be spent making any adjustments to the initial plan based on Peer Review feedback, running models and writing a preliminary analysis with intro/background of the problem, methods, preliminary results, and discussion. If cleaning the data was not completed prior to this, I will need to do that first.

Week 5-7:

Continue model deployment and analysis of the results. Prepare a presentation with the initial results. The presentation will discuss the steps taken in the analysis, any issues or challenges encountered, and plans to complete the analysis. Continue to utilize peer review to make improvements and adjustments. Allow time in this phase to make any adjustments necessary.

Week 8-10:

Prepare the final analysis of the project and the paper and presentation discussing the results, the steps taken.

**Development Tools:**

In order to complete this project, I will code using R (R Studio) and Python (Jupyter Notebook).

**Additional Applications:**

PowerPoint will be used to prepare presentations.

Teams will be used to post milestones and to collaborate and communicate with classmates by giving and receiving peer reviews.