Project Milestone 1

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DSC630 – Predictive Analytics

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June 12th, 2022

**Milestone 1:** (**Week 1)**

The first step is to determine if the project is done as a group or independently. I have decided to do the project independently as it could become a little challenging as people work in different work hours due to their work and personal constraints. I have created a folder with my names in the files section.

**Milestone 2**: **(Week 2)**

Project proposal and the data set selection needs to be finalized in this milestone with an option to add more sources as needed. The below points will be addressed in Milestone 2.

* Problem statement
* Explain why the problem is important/interesting
* Who would be interested in solving this problem, i.e., who would you be trying to sell this project to?
* Where did you get your data?
* Why is this data useful to solve the problem?
* What types of model or models do you plan to use and why?
* How do you plan to evaluate your results?
* What do you hope to learn?
* Assess any risks with your proposal
* Identify a contingency plan if your original project plan does not work out
* Include anything else you believe is important

**Milestone 3**: **(Due by Week 6)**

In this milestone, Data needs to be explored to understand and finalize what visualizations will be best to address the questions and needs to evaluate the data to see if it needs to be adjusted/cleaned. Also, below points will be addressed in Milestone 3.

* Will I be able to answer the questions I want to answer with the data I have?
* What visualizations are especially useful for explaining my data?
* Do I need to adjust the data and/or driving questions?
* Do I need to adjust my model/evaluation choices?
* Are my original expectations still reasonable?

**Milestone 4: (Due by Week 8)**

Most of the technical work such as building the working model and evaluating it to see if it has answered all the questions in the previous milestones will be done in week 8. It will address the following items.

* Explain your process for prepping the data
* Build and evaluate at least one model
* Interpret your results
* Begin to formulate a conclusion/recommendations

**Milestone 5: (Due by Week 10)**

In this milestone, a paper with introduction, summary, conclusion and a audio/video presentation with slides summarizing the overall project needs to be submitted. Duration should be a minimum of 10 minutes.

Anuj Tanwar has accepted to do the Milestone 2 peer review of my project.