Milestone 1 (Team Information/Communication Plan) - Week 1

Independent Project Requirements

- **Name: Katie Adams**
- **Craft a rough project plan for how you will accomplish each milestone and task, what your project work schedule will look like, etc.**
  - **Milestone 2 (Data Selection and Project Proposal) - Week 2**
    - I will review Kaggle for interesting data sources to use for this project. The date must be large and complex enough so I can use the predictive analytics concepts on it
    - In the project proposal, I will review the selected dataset to determine the question I would like answered from the data (i.e., setting up the problem), which model(s) will be used, how I will interpret results from the model(s), and proposal risks. If the project plan does not work out (i.e., the models don't produce valid results), I will have a backup dataset from Kaggle that I can use instead.
  - **Milestone 3 (Preliminary Analysis) - Week 6**
    - I will take the dataset and the available features to determine if I'm able to answer my original question (the setup problem from Milestone 1) and determine if there are any visualizations that will be of use to help understand the data better.
    - From this preliminary analysis, I will determine if the data, model or original question needs to be adjusted and if my original data expectations are reasonable. If the data cannot truly answer the question or if there are data quality issues, I will use the backup dataset from Week 1.
  - **Milestone 4 (Finalizing Your Results) - Week 9**
    - I will determine and describe the data preparation process (e.g., creating new features, hiding features that are not relevant, removing any null data), and with the cleaned data create a model and evaluate its performance and results for interpretation. With these results, a conclusion and recommendations in reference to the original question and problem will be detailed.
  - **Milestone 5 (Final Project Submission) - Week 12**
    - Using Milestone 4, I will finalize the Course Project which will include a written paper (introduction, methods and results summary, and conclusion) and a 10-15 minute audio/video with slides summarizing my project.
- **Identify another project (group or individual) to perform your Milestone 2 Peer Review**

- Madeleine Sharp will review my Milestone 2 submission