Justin:

Success Metrics:

Stake holders will judge how the success of this project by  accurately predicting the sales of Diesel Gallons, Unleaded Gas, food service provided by the Maverick store, and non-food services product purchased in the store. The stakeholders will know that the project has been successful by having a model that has improved accuracy from the current model and being able to implement the model for future stores. This will be measured with the AUC measure of accuracy. This model must perform better than the accuracy already in place from the current model used within Maverick.

Scope:

We will be delivering a model that can be used to predict against a new store’s location on their sales of the Diesel, Unleaded Gallons, Food Services, and non-food service merchandise in store. For each of these metrics it will produce a daily sales forecast, even considering seasonality.

The model should also be automated to push the most recent data into the model. Whether through cloud or API keys of data sets.

A project that could be added later is an easy User Interface implemented with the model within. Whether through app or web service, having this model combined with a simple user interface would allow easy implantation and understanding of the model across internal users.