Capstone 2 Project Proposal

1. Prediction of Restaurant Revenue
   1. Short Description: I would like to predict Restaurant Revenue and take a deep looking into factor that maximize revenue
   2. Dataset : https://www.kaggle.com/c/restaurant-revenue-prediction/data
   3. Potential Deliverables :
      1. Prediction model
      2. Report on how to maximize revenue
2. Toxic Comment Classification:
   1. Short Description: I would like to build a classification model to analyze the probability of a comment being toxic or not based. I feel like this model would be useful to a wide range of clients being able to identify negative sentiments could help identify radical individuals who intend to cause harm to themselves or others
   2. Data set: https://www.kaggle.com/c/jigsaw-toxic-comment-classification-challenge/data
   3. Potential deliverables:
      1. A model that identify comments that have a high probability of being toxic
3. Predict which items will a customer purchase again
   1. Using Instacart market data, I would like to identify groups of consumers based on purchase history and provide recommendations based on their customer. Similar to the Kaggle kernel: https://www.kaggle.com/asindico/customer-segments-with-pca
   2. Dataset: https://www.kaggle.com/c/instacart-market-basket-analysis