Introduce ourselves – name, year, major

We are working together on a project called “Would You Survive?” It was inspired by finding data from the Titanic on Kaggle.

Kaggle has data for 891 of the approximately 2,228 passengers that were aboard when the Titanic sunk. The data includes whether the passenger survived, what class they were, their name, sex, age, if they were traveling with siblings or a spouse, if they were traveling with their parents or children, their ticket number, the ticket fare, and whether they embarked from Southampton, England, Cherbourg, France or Queenstown, Ireland.

The goal of our project is to be able to tell someone if statistically they would have survived the sinking of the titanic like Rose or sadly died like Jack. This is done by comparing the person’s information to real passengers information and their outcome.

We used an online service to convert the CSV files from Kaggle to JSON. Since the data is so specific it may be easier to write our own code using Bayes theorem to find someone’s probability of survival.

We also found three NPMs for three different machine learning algorithms, including K Nearest Neighbors, linear regression, and Naïve Bayes. We will use the outcomes from these algorithms to verify the results.

We will have our training data in a database on a server. The user will input their own information through the client User Interface, which queries the database.

We found a Bootstrap template that has a lot of the functionality we want in our user interface. We will modify this template to create our own web page that we will use as a user interface.