**AAI-500 – Team Project Status Update Form**

Fill out this form and submit it by the end of Module 4 in Blackboard.

Team Number: \_\_Team 4\_\_\_\_\_\_\_\_\_\_\_

Team Leader/Representative: \_\_Paul Parks\_\_\_\_\_\_\_\_\_\_\_\_\_

Full Names of Team Members:

1. \_\_\_\_Paul Parks\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_Alden Caterio\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_Mayank Bhatt\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### Title of Your Project:

Wine Quality Prediction

### Short Description of Your Project and Objectives:

Predict a Wine quality score based on physiochemical tests. Predict a score from generated Wine(s), predict classification (red/white) based on physiochemical tests, and identify key attributes that affect the quality score.

### Name of Your Selected Dataset: <https://archive.ics.uci.edu/ml/datasets/Wine+Quality>

### Description of Your Selected Dataset (data source, number of variables, size of dataset, etc.):

The two datasets are related to red and white variants of the Portuguese "Vinho Verde" wine. For more details, consult: [Web Link] or the reference [Cortez et al., 2009]. Due to privacy and logistic issues, only physicochemical (inputs) and sensory (the output) variables are available (e.g. there is no data about grape types, wine brand, wine selling price, etc.).

These datasets can be viewed as classification or regression tasks. The classes are ordered and not balanced (e.g. there are many more normal wines than excellent or poor ones). Outlier detection algorithms could be used to detect the few excellent or poor wines. Also, we are not sure if all input variables are relevant. So it could be interesting to test feature selection methods.

### Are you using and practicing GitHub as a code hosting platform for version control and collaboration? If yes, provide the link here:

<https://github.com/p-parks/AAI-500-Team-4-Final-Project>

### How many times have your members met in the last two weeks?

2

### What was the agreed upon method of communication? Are you using any teamwork project management software, such as [Trello](https://trello.com/en-US) or [Asana](https://asana.com/)?

Trello and Slack

### Comments/ Roadblocks:

No roadblocks