**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 2

Team Leader/Representative: Paul Thai

Full Names of Team Members:

1. Jeremy Krick

2. Matthew Sexton

3. Paul Thai

Title of Your Project: Pink Hope: The Fight Against Breast Cancer

Short Description of Your Project and Objectives: The objective of this project is to classify the dataset to see what cells are related to the development of breast cancer. Another classification method, linear programming, was used to construct a decision tree. The group’s goal is to recreate this linear programming method or utilize another method to construct a decision tree.

Name of Your Selected Dataset: Breast Cancer Wisconsin

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

* Data source: [Source](https://archive-beta.ics.uci.edu/dataset/17/breast+cancer+wisconsin+diagnostic)
* The dataset contains 698 points to look from January 1989 to November 1991 – 8 groups.
* There are 10 attributes, plus the class attribute.
  + # Attribute Domain
  + -- -----------------------------------------
  + 1. Sample code number id number
  + 2. Clump Thickness 1 - 10
  + 3. Uniformity of Cell Size 1 - 10
  + 4. Uniformity of Cell Shape 1 - 10
  + 5. Marginal Adhesion 1 - 10
  + 6. Single Epithelial Cell Size 1 - 10
  + 7. Bare Nuclei 1 - 10
  + 8. Bland Chromatin 1 - 10
  + 9. Normal Nucleoli 1 - 10
  + 10. Mitoses 1 - 10
  + 11. Class: (2 for benign, 4 for malignant)

Are you using and practicing GitHub as a code hosting platform for version control and collaboration? If yes, provide the link here: Yes, here is the link: <https://github.com/JeremyKrick/Team-Project-Statistics-for-AI>

We have different branches where we will work on our own respective tasks and we will meet at the end to merge everything together.

How many times have your members met in the last two weeks? Due to the everyone’s schedule and the difference in time zones, we have meet altogether in chat one time. We are planning on increasing the meetings for this upcoming week 5. However, even though we one met together once, we have been communicating very effectively via slack regarding our ideas for the project.

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/)? We will be using slack as a main form of communication and for teamwork management software, we will be using Excel/Google Sheets to keep track of due dates and everyone’s progress.

Comments/ Roadblocks: We are looking forward to exploring the data and seeing what we can get out of it. This is the first time any of us have experience with any of this so there will be a high chance that we will be reaching out to the professors for assistance in near future.