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

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

Team Number: \_\_\_\_2\_\_\_\_\_\_

Team Leader/Representative: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Full Names of Team Members:

1. \_\_Patricia Enrique\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_Frank Ivey\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_Francis Agbodji\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Title of Your Project: Statistical Analysis of Electric Vehicle Battery Temperatures During Use

Short Description of Your Project and Objectives:

The goal of this project is to analyze a dataset to determine if there exists a connection between driving conditions and an electric vehicle’s battery temperature. The expected model contains two inputs: the ambient temperature and the trip distance, and the output is the battery temperature. The statistical method that will be considered for this analysis is linear regression and sampling will be applied to verify the conclusions drawn from the dataset.

Name of Your Selected Dataset: Battery and Heating Data in Real Driving Cycles

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

The dataset is selected from Kaggle. There are a total of 72 variables representing the 72 trips recorded in an EV. The dataset contains 11 features describing battery, trip, and weather conditions that could affect the heating rate of an EV’s battery. The features describing the weather conditions state whether that day was sunny or cloudy and the ambient temperature. The trip features are trip duration in minutes and trip length in km. The battery features include: the battery temperature before and after the trip, the battery state of charge before and after the trip, and the difference between the battery charges. The driving conditions reflect the target cabin temperature and what level the cabin fan was set to. All temperatures are recorded in Celsius.

Are you using and practicing GitHub as a code hosting platform for version control and collaboration? If yes, provide the link here: \_\_\_[GitHub Link](https://github.com/ithllc/AAI_500_01_SP23) \_\_\_\_\_\_\_\_\_\_\_\_\_\_

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/)? \_\_Slack\_\_\_\_\_\_\_\_\_\_\_\_

Comments/ Roadblocks: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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