**Weekly Status Submission Template**

**Week Number: 9**

**Date: March 13th, 2025**

**Student Name: Jake Cook**

**Original Plan for This Week: (5 points)**

Tasks to be completed this week:

* Conduct a detailed review of all findings and methods.
* Adjust calculations or visualizations based on feedback.
* Begin creating interactive dashboards (if feasible).
* By the end of this week: Finalized findings and draft interactive dashboards.

**Tasks Accomplished This Week: (10 points)**

This week after my interview, which went well thank you for the kind words, I have done extensive work in R Studio for my datasets and just getting clean, usable, data. I decided to find a new dataset from the eia showing state emitted co2 values and state kWh generation values. I created a subset of the data for electric vehicles only and internal combustion vehicles. I could only get state co2 values for the year 2022 so I am using 2022 model vehicles in my search as well. I have also had a meeting with the writing center on direction of a rough draft for the thesis paper and created an outline of thoughts as my rough draft.

**Comparison of Planned vs Actual: (10 points)**

While I did not conduct a detailed review of all findings and methods, I have adjusted calculations and visualizations based on my feedback and I have began creating interactive dashboards. I feel really good about where I am, having working with csv’s that turned out to not provide the information I was looking for, find new data, and refine and visualize this data in R, and export finalized csv’s that can actually be used. You can check out my RMD file on how I went about this, although, it could use some cleaning up on organization.

**Self-Rating of Progress: (5 points)**

* [ **X** ] Met the Planned Tasks
* [ **X** ] Did Not Meet the Planned Tasks

While I did not accomplish everything I set out to do this week, I did accomplish most of it. I am looking forward to spring break where I wont have any other test to prepare for like I have this week, 2 on Sunday, and I can dedicate the entire week to just this project. The more and more I spend time on this project the easier it is to continue on the desired direction. It was a little difficult starting at first with just ideas in my head but now that I am putting things together I am really starting to see my ideas come to life.

**Plan for Next Week: (5 points)**

During spring break I plan to finalize my dashboard and landing page and present a formal draft for my thesis paper. I am still on the fence on using SQL to store the data that I have manipulated in R. I am not sure if I am making things more complicated than they need to be by creating routes in a python file so some feedback and suggestions on this would be greatly appreciated. I have already created and initialized an empty column in my electric vehicles dataset that would be filled based on the users state input.

**Evidence of Tasks Completed: (15 points)**

Here is my current push to my git repo where you can check out the rmd file which has some visualizations I created in it.

[My Repo](https://github.com/jakedcook/EVBuyersGuide)