**Executive Summary**

**Motivation**

From my early childhood, I've held a deep passion for automobiles. Attending numerous car shows while growing up allowed me to witness the remarkable evolution of cars throughout the years. The transformations in safety features and the ability to achieve impressive speeds have consistently amazed me. This fascination is one of the reasons I find Formula 1 intriguing, as it showcases the incredible capabilities of these machines in reaching high speeds and maneuvering through corners with precision.

**Data Question**

* The count of F1 teams and the total amount of races won per team?
* *What are the average lap times for each team and drivers?*
* *What locations are these races held at?*
* *Over the years has there been increase in races per season? If so what else were you able to find ?*

**Minimum Viable Product (MVP)**

I plan on showcasing my capstone using Power BI to present mt visualizations, PowerPoint slides to elaborate my findings that I found interesting on Formula 1.

**Schedule (through <date of demo day>)**

1. Get the Data (finish date)
2. Clean & Explore the Data (finish date)
3. Create Presentation of your Analysis (finish date)

* Should be a presentation, but could include a Jupyter Notebook or dashboard in Excel, Tableau, or PowerBI

1. Internal demos (<date of internal demos)
2. Demo Day!! (<date of demo day>)

**Data Sources**

Formula 1 (1950-2023) - <https://ergast.com/mrd/db/#csv>

Formula one history <https://en.wikipedia.org/wiki/Formula_One>

Formula one main page <https://www.formula1.com/en.html>

**Known Issues and Challenges**

* Initially, my plan was to focus on years from 2000 to the present. However, there were complications during the merging process due to identical ID selecting the names that were not intended to be chosen.
* Working with excel to help merge data together using Xlookups and Vlookups