Unveiling Formula 1: A Journey Through Numbers

Introduction:

Over the last three years, I've fallen in love with Formula 1 - those fast cars, intense rivalries, and all the excitement on the track. This newfound passion sparked a curiosity to dig deeper into the world of Formula 1, leading me to create this project.

Formula 1, the pinnacle of motorsport, has a long and fascinating history dating back to 1950. In this project, I used data analysis to uncover interesting facts, trends, and stories hidden in Formula 1 racing data. The data comes from Kaggle, covering the years from 1950 to 2022. I used SQL to organize the data and Tableau to create interactive visuals, making it easy for anyone to explore.

Objectives:

The main goal of this project was to combine my love for Formula 1 with the power of data. I didn't just want to look at numbers; I wanted to capture the spirit of the sport - the changes over time, the memorable moments, and the incredible drivers who've graced the track.

Data Exploration:

I used SQL to sort through the data, making it easier to explore key features and details. This set the stage for creating easy-to-understand visualizations that showcase the magic of Formula 1.
View SQL

Tableau Dashboards:

Dashboard 1: **Formula 1 Stats: A Simple Roadmap from the Past to Present**

- Get main Formula 1 stats with interactive filters.
- A cool display showing how teams performed over the years.
- Find out who the top drivers and teams were throughout Formula 1 history.

Dashboard 2: **Formula 1 Driver Performance Dashboard: A Statistical Journey**

- Fun tools to compare how different drivers performed.
- Check out season results and see how drivers progressed over time.

Key Findings:

What did I discover? Well, I found interesting patterns and trends, like which teams dominated and how drivers evolved. It's like a backstage pass to understanding Formula 1 better.

Conclusion:

This project isn't just about numbers; it's about celebrating the awesomeness of Formula 1. It's a sneak peek into the sport's complexity, offering a unique way for fans to appreciate Formula 1.

Future Work:

Looking ahead, I could dig even deeper into specific times, drivers, or teams. There's so much more to explore, and I'm excited about where this journey might take me.

Portfolio Impact:

This project holds a special place in my portfolio as it demonstrates not only my proficiency in data analysis, SQL manipulation, and the creation of compelling visualizations but also the fusion of my genuine passion for Formula 1 with the world of data science.

References:

Big shoutout to Kaggle for the data - they made this journey into the world of Formula 1 possible!