Milestone - 1

Formula 1 – Standings Database

Source: https://unsplash.com/photos/grayscale-photo-of-renault-racing-car-TsQfovTCM8E

Group 8

Sampreet Klair (sklair2), Dhruv Kakadiya (dhkakadiya), Prince Prince (pprince5), Siya Khanna (skhanna49)

Introduction

Formula 1 also known as the pinnacle of motorsport, is the highest tier racing tournament held every year. Being a great fan of this sport means that there is plethora of datapoints that one needs to be informed of. Here are some of the enthusiasts of the sport who are helping the people who need to be up to date with the happenings in formula 1.

Problem Statement

In a fast-paced sport like F1, fans find it very challenging to gather the statistics and knowledge about the races happening and for them, gathering all different datasets and combining it at one place is a very difficult task. The current lack of a centralized and user-friendly database is one of the main reasons why we are creating this database application. Our aim to reduce the problems and enhance the experience of a regular formula 1 fan.

Solution

The proposal made by our team is to create a robust database containing various datasets that are useful in giving insights around the happenings in formula 1 world. Our plan is to combine all the cluttered data and make a single database out of it. We will try to make our database user-friendly and will try to incorporate every basic dataset in it. This database will serve as a valuable resource for teams, fans, and analysts and will tell us about team performance, trends, and standings. We will also try to make this database future proof and will make room for any future addition of data.

Requirements

The main software requirements for creating the database and support it are:

- Team standing – data of position of each and every constructor's standing.
- Driver standing – data of position of each and every driver standing.
- Race result – data of classification of each and every race.
- Profile management – software required for managing different user profiles.
- Favorites – software required to give information about the favorite driver of the user.
- Driver of the day – software that calculates the user's votes and declares a driver of the day based on user data.