

Formula One Interactive Exploratory Data Analysis (EDA)

CS 1710 Final Project

Data Description

Below is a description of the data fields in my dataset, which can be found in *data/results-pitstops.csv* in my submission folder. Given that this dataset was also used for my CS1090a project, I have excluded some variables from the description that are not directly relevant to this project.

General Information:

1. **resultId**: A unique identifier for each result entry.
2. **raceId**: A unique identifier linking the entry to a specific race.

Driver Information:

4. **driverId**: A unique identifier for the driver involved in the result.
5. **number**: The car number for the driver during the race.
6. **forename**: The first name of the driver.
7. **surname**: The last name of the driver.
8. **driverName**: The full name of the driver.

Constructor Information:

12. **constructorId**: A unique identifier for the constructor (team) associated with the result.
13. **constructorName**: The name of the constructor (team) for the driver.

Race and Circuit Information:

14. **circuitName**: The name of the circuit where the race took place.
15. **lat**: The latitude of the circuit's location.
16. **lng**: The longitude of the circuit's location.
17. **location**: The name of the city or region where the circuit is located.
18. **country**: The country where the circuit is situated.

Race Performance:

19. **grid**: The starting grid position of the driver.
20. **position**: The final race position of the driver, not including those who did not finish the race.
21. **positionText**: The final race position of the driver, including textual representation of why certain drivers who did not finish the race (disqualifications, breakage, etc.)

- 22. **positionOrder**: The final race position of the driver, as used in points / standings. In this variable, all drivers are given a numerical finishing order, with those who were retired being put in order based on how many laps they finished before retiring.
- 23. **points**: The points earned by the driver for the race.

Pit Stop Details:

- 24. **stop**: The sequence number of the pit stop.
- 25. **lap**: The lap during which the pit stop occurred.
- 26. **duration**: The time duration of the pit stop in seconds.
- 27. **milliseconds_pitStop**: The pit stop duration converted into milliseconds.