Data Dictionary for Formula One Data

Original Source: https://www.kaggle.com/datasets/rohanrao/formula-1-world-championship-1950-2020

Files: drivers.csv; lapTimes.csv; races.csv; results.csv; tracks.csv

CONTEXT:

Formula One (aka Formula 1 or F1) is the highest class of single-seat auto racing that is sanctioned by the Federation Internationale de l'Automobile (FIA). The FIA Formula One World Championship has been one of the premier forms of racing around the world since its inaugural season in 1950.

The data was downloaded from Kaggle in August 2022 and cleaned for simplicity for use in this course.

CONTENT:

This dataset contains data from 1970 through the 2021 season. Each season has several races ("rounds"), which take place across the world. Some of the seasons have as many as 21 races, while others have as few as 7 races. Each season has a set of drivers that compete, each individual race has about 20 drivers competing, although some races have as many as 39 drivers.

The 'drivers.csv' file contains data on each individual race car driver. A unique driver ID is assigned to each driver, which can be used as a key to link with the other data files.

The 'lapTime.csv' file contains data on how long it took each driver to complete each lap in every race. A unique driver ID and race ID can be used as a key to link with the other data files.

The 'races.csv' file contains data on each individual race ("round") within each season. A unique race ID is assigned to each round, which can be used as a key to link with other data files.

The 'results.csv' file contains data on the order that each driver crossed the finish line for each race. The unique race ID and driver ID are used in this data.

The 'tracks.csv' file contains data on each individual track, which is where the races occur. A unique track ID is assigned to each track location, which can be used as a key to link with other data files.

VARIABLE DESCRIPTIONS:

File: 'drivers.csv'

- **driverID** – Unique driver ID number

- **firstName** – Driver's first name
- **lastName** – Driver's last name
- **nationality** – Driver's nationality
- **birthYear** – Driver's year they were born

File: 'lapTime.csv'
- **raceID** – Unique race ID number
- **driverID** – Unique driver ID number
- **lapNumber** – Lap of race
- **positionOrder** Ranked position within race
- **milliseconds** – Time, in ms, to complete lap

File: 'races.csv'
- **raceID** – Unique race ID number
- **raceYear** – Year of season
- **round** – Individual race within respective season
- **trackID**– Unique track ID number
- **raceName** – Name of race event
- **raceDate** – Date of race event

File: 'results.csv'
- **raceID** – Unique race ID number
- **driverID** – Unique driver ID number
- **finishOrder** – Ranked position for completing race

File: 'tracks.csv'
- **trackID**– Unique track ID number
- **trackName** – Name of race track
- **city** – City of track location
- **country** – Country of track location