League: -

1. Formula 1
2. Formula 2
3. Formula 3
4. Formula 4

Formula league: -

1. Inaugural Season
2. Drivers per year
3. Teams per year
4. Engine manufacturers
5. Chassis manufacturers
6. Tyre Suppliers

Sponsors: -

1. Global Partners
2. Official Sponsors -> Team
3. Regional Sponsors
4. F1 Esports Official Sponsors

Race Control: -

1. Race Director
2. Stewards
3. Safety Car
4. Marshals
5. Medical car

Drivers: -

1. Name
2. Age
3. Nationality
4. Yr. of debut
5. Drivers’ championship
6. Race starts
7. Pole position
8. Race wins
9. Podiums
10. Fastest lap
11. Points
12. Races finished in points
13. Race win percentage (derived)

Teams: -

1. Name
2. Formula Debut
3. Headquarters
4. Constructor’s Championship
5. No of circuits raced
6. No of driver entries
7. Active years in formula1
8. Front row starts
9. Best race starting position
10. Best race finishing position
11. Best driver

Grand prix – Circuits: -

1. Circuit name
2. Location
3. Type of circuit
4. Debut race Year
5. Lap time
6. Track length
7. Race Distance
8. No. of laps per race
9. Top Speed
10. Turns
11. DRS zones
12. Pit stop time

Tyres: -

1. No. of Manufacturer for a yr.
2. Manufacturer
3. Seasons
4. Starts
5. Wins
6. Win %
7. 1st Win

Engine Manufacturer: - (grand prix win)

1. Name
2. Location
3. Engines -> specification
4. Wins
5. First win
6. Last win
7. Teams supplied

Manufacturers: -

1. Name
2. Parts manufactured
3. Teams supplied -> part\_id
4. Location
5. Engineer

Problem Statement

Formula 1 is held every year where 10 teams participate and race in different circuits around the world. Each team has at least 2 drivers who drive for that team in every race for the entire year. The team is managed by team principle and they manufacture a car every year in their factory headquarters. The teams can choose any driver across the world, the success of the driver is measured by the number of podiums (top 3 finishes) in his career. Every year in Formula 1 the drivers compete against each other in various races held at various circuits. They are avoided points based on the position they finish at the end of the race. Each race has a different track, with different features including (length of trach, number of turns, DRS zones, pit stop length) lap times. Every race is managed by a Race control board appointed by the Formula 1 managers. The race control includes a race director, stewards and marshals who look at the fairness and safety of the sport with the help of medical and safety cars. In Formula 1 the teams also complete for constructor’s title where they gain points every race. The team can have multiple manufactures supplying different parts to them who are located in different parts of the world, the manufacturer can also supply to multiple teams in Formula 1. All the teams will race with a similar set of Tyre compounds provided by a Tyre manufacturer to Formula 1. Formula 1 has a global sponsor apart from this every team has their own official sponsors and each race has a regional sponsor