# ADTA 5250 Large Data Visualization:

Assignment: Creating a Storyboard by Yog Chaudhary

**Contain: Formula 1**

### PLOT

Exploring Formula 1 Constructor Performance Over the Past Decade

### RISING ACTION

We examine constructor performance data from the most recent races and find different patterns among Formula 1 teams. By examining variables like "Podium Finishes," "Race Wins," and "Championship Standings," we may spot trends that show how some constructors are more dominant than others and how others struggle. Specifically, we observe differences in performance amongst teams, with some constantly finishing at the top and others falling short.

### CLIMAX

Upon closer inspection, interesting details about constructor performance become apparent. As one example of their fierce competition, McLaren, Ferrari, and Red Bull frequently finish on the podium and rack up big points. Teams like Toyota and Super Aguri, on the other hand, have difficulty scoring points, signaling difficulties in remaining competitive on the track.
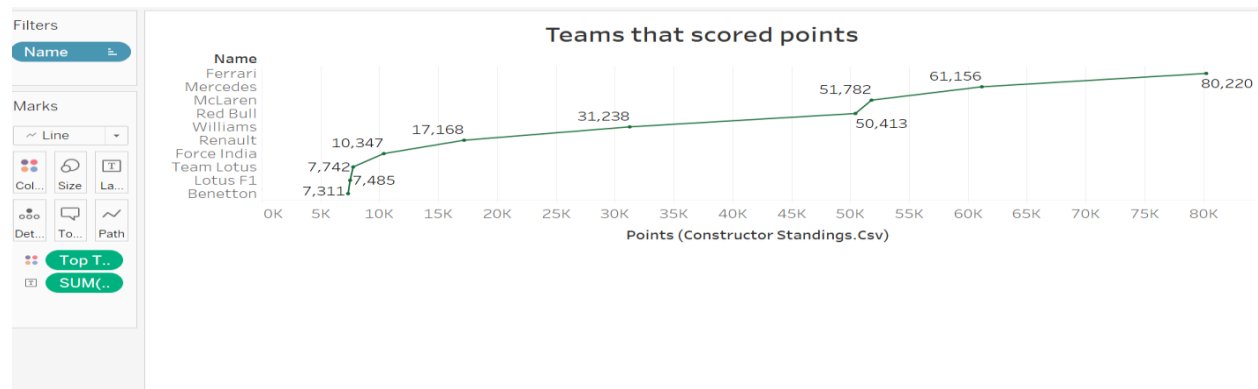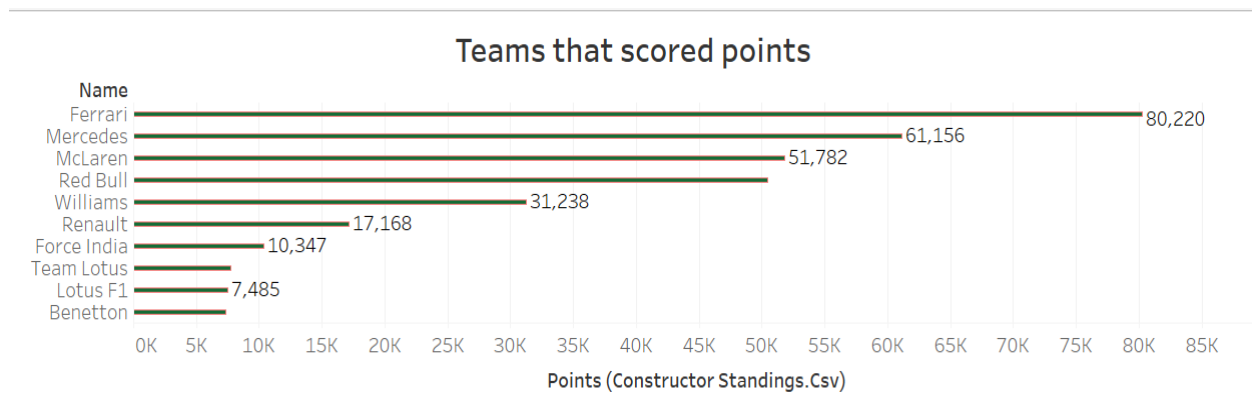
### FALLING ACTION

It's important to remember that outcomes for different races can differ and that unforeseen things can happen. For instance, in some races, underdog teams might perform better than predicted, while favorites might experience losses.
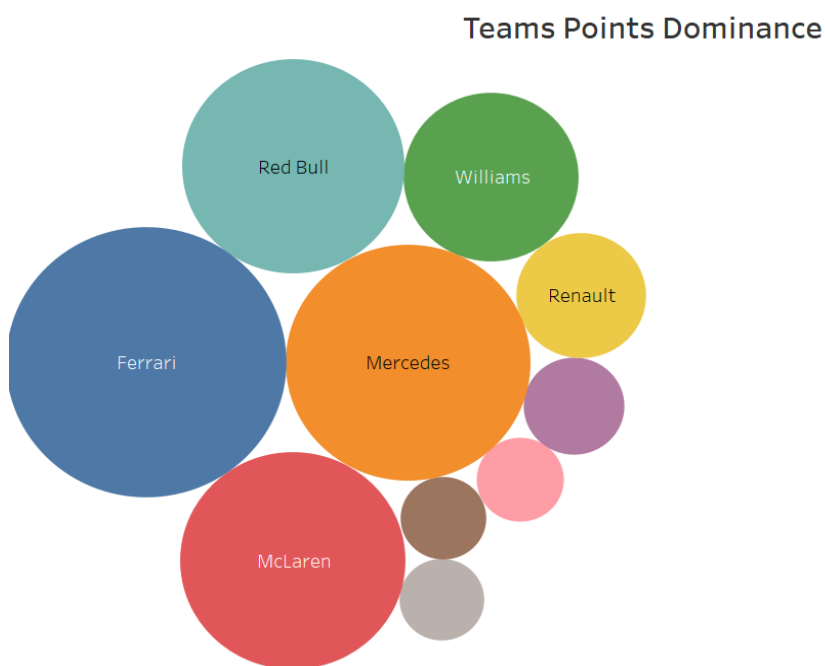
### ENDING

- The story concludes with a call for struggling teams like Toyota and Super Aguri to reevaluate their strategies and make necessary investments to enhance performance..
- Successful teams like McLaren and Ferrari are encouraged to adapt their approaches to remain competitive amidst evolving challenges..
- Leveraging insights from our analysis, Formula 1 constructors can navigate the complexities of the sport and strive for sustained success in the years to come.

**Following Diagram below Tableau Screenshots Storyboard: Teams that scored points.**



Teams that scored points

## Teams that scored points

| Name | Points (Constructor Standings.Csv) |
|------|-----|
| Ferrari | 80,220 |
| Mercedes | 61,156 |
| McLaren | 51,782 |
| Red Bull | |
| Williams | 31,238 |
| Renault | 17,168 |
| Force India | 10,347 |
| Team Lotus | |
| Lotus F1 | 7,485 |
| Benetton | |

**Teams Point Dominance:**

## Teams Points Dominance

Communicating with a story in Formula 1 can be highly effective when guiding audiences through the journey of a race, helping them understand the strategic decisions made by teams and drivers. However, it may be unsuitable if it deviates too much from traditional race reporting or conflicts with established audience expectations.

### Reference

Tanmay Khattar, Aug 27, 2023, Data Visualization using Tableau Formula 1, Link: https://medium.com/@tanmayk03/data-visualization-using-tableau-formula-1-4dce9be970e1