



CAN SCUDERIA FERRARI WIN THE 2022 FIA FORMULA 1 CONSTRUCTOR CHAMPIONSHIP?

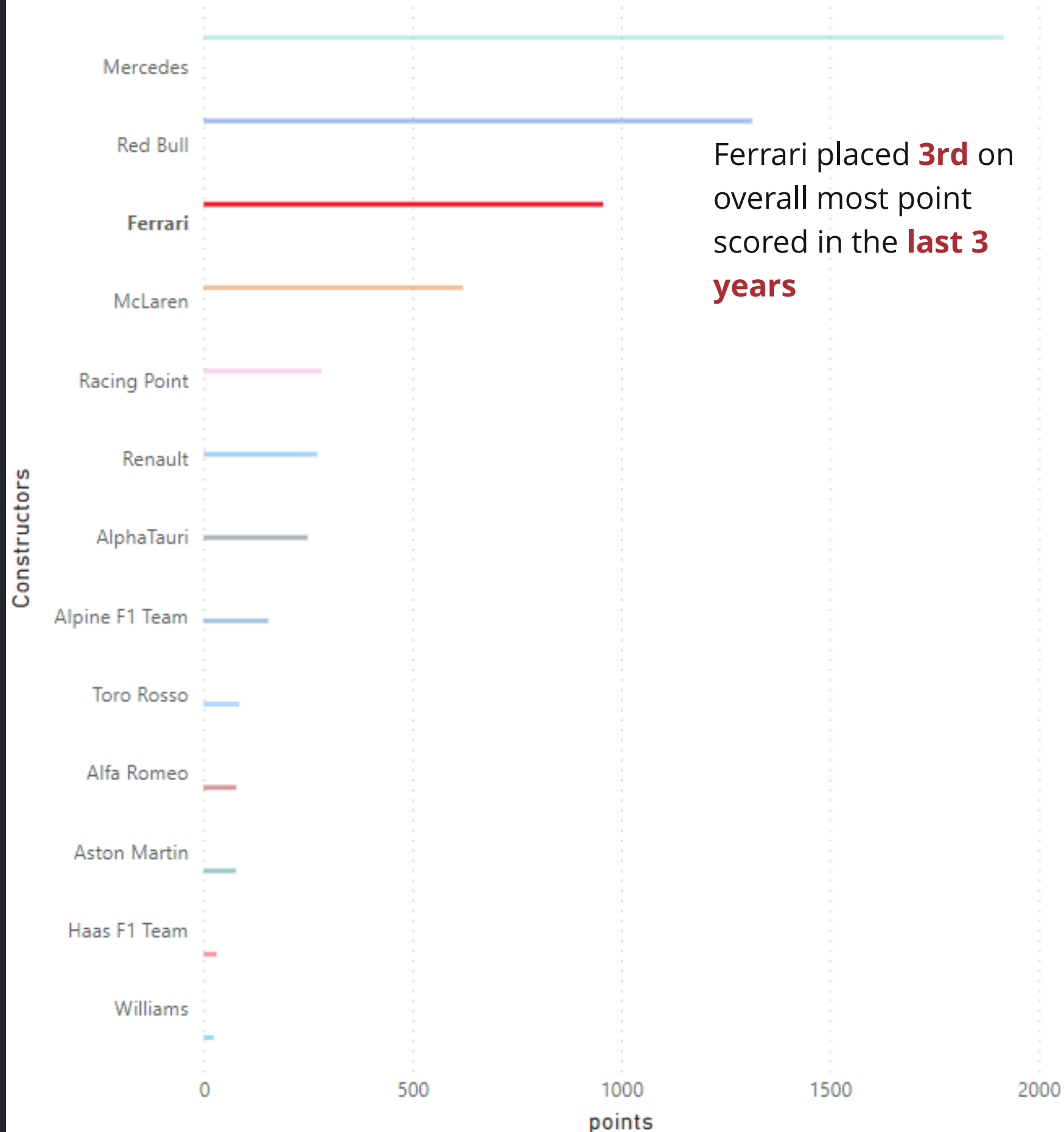
P R E P A R E D B Y A F I Q K H U S H A I R I (I S O 1 0 5 5 7 3)

INTRODUCTION

- Every motorsport and Formula 1 enthusiast will know Scuderia Ferrari as one of the most successful racing constructor/team.
- However in recent years, the team had struggle to grab the championship title from other top teams such as Mercedes-Petronas AMG and Red Bull Racing.
- This presentation will be conducting the exploratory analysis to see if Scuderia Ferrari have the chance to win constructor championship in 2022
- The performance of drivers and overall team from 2019 to mid-season 2022 will be analysed in this presentation.



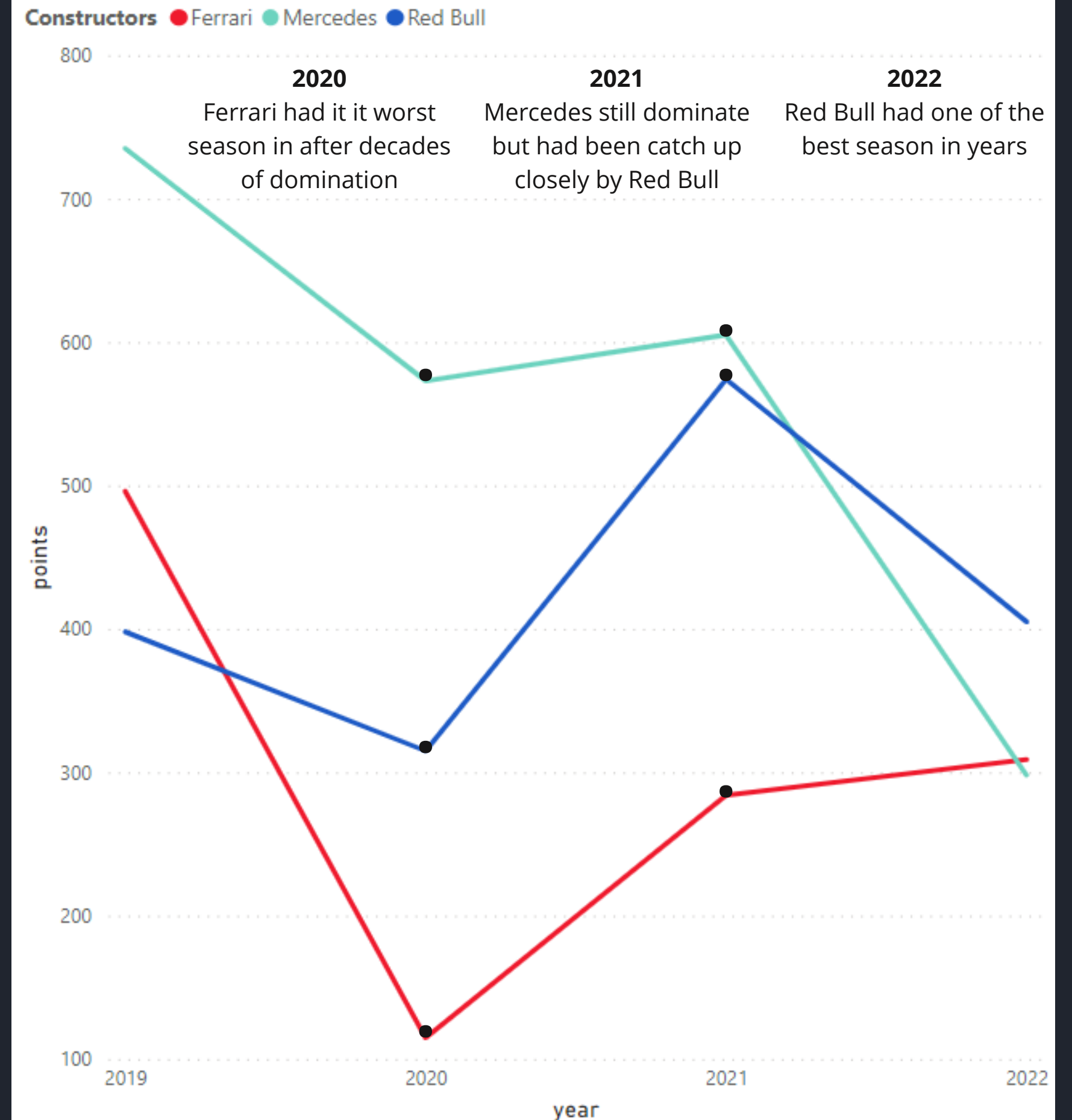
Point(s) gained by F1 Team Constructor 2019-2021



- Chart shown is the total points being scored by each constructor from 2019-2021.
- As being shown, Ferrari placed in the third most collected points
- The margin between the other top two constructors points are quiet substantial
- The points scored can be relate to the performance of the car and drivers

- Here are the top 3 constructors points gained from 2019 to mid-season 2022
- Ferrari had a rapid decline in performance in year 2020
- In 2021, Ferrari had made some improvement
- However, Red Bull had capitalised the advantages it has in 2021 and left Ferrari behind
- Ferrari try to catch up with the two other top team in 2022

Point(s) gained by Top 3 Constructors 2019-2022



Points scored by Ferrari Drivers 2019-2022

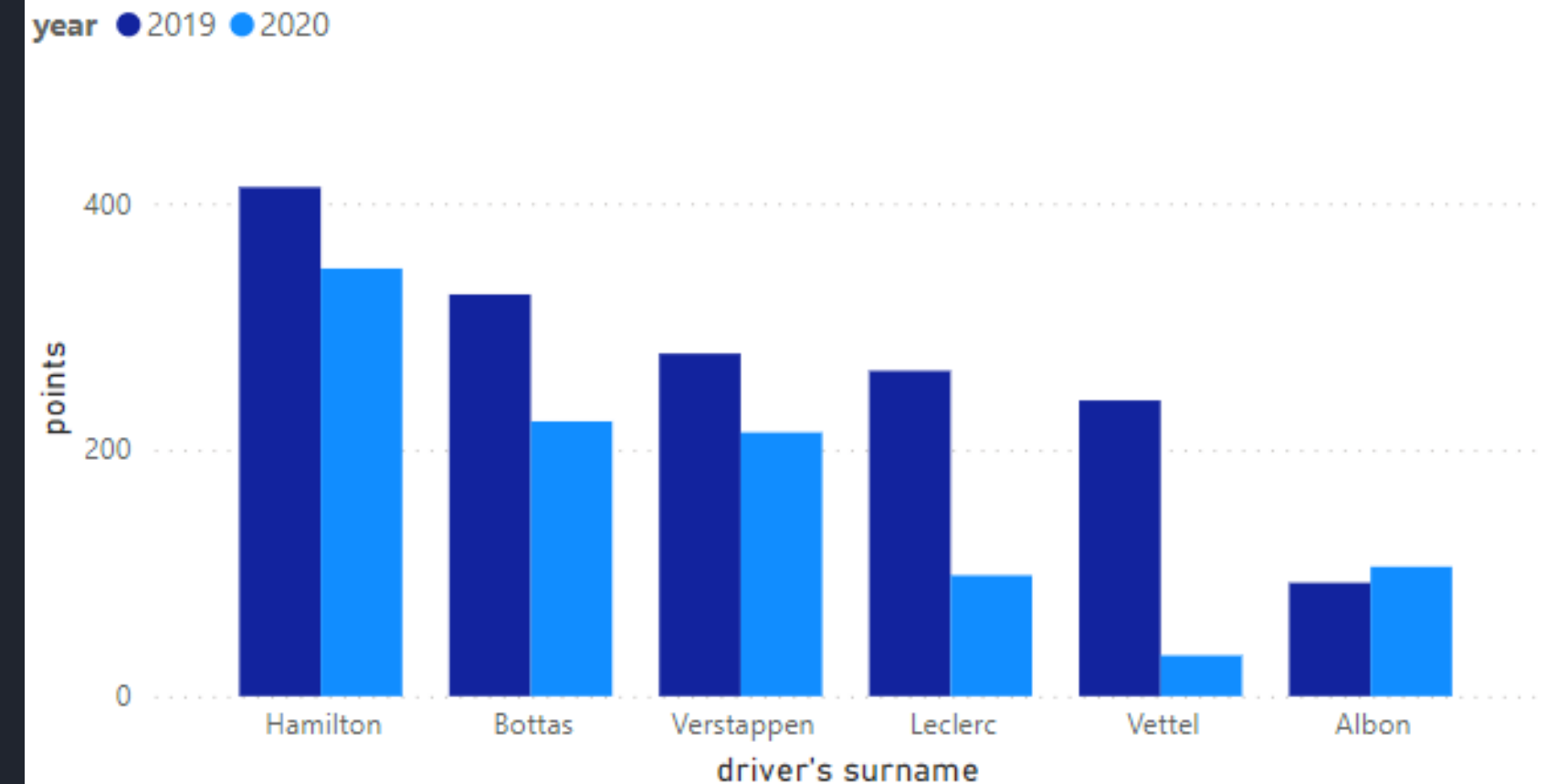
driver's surname ● Leclerc ● Sainz ● Vettel



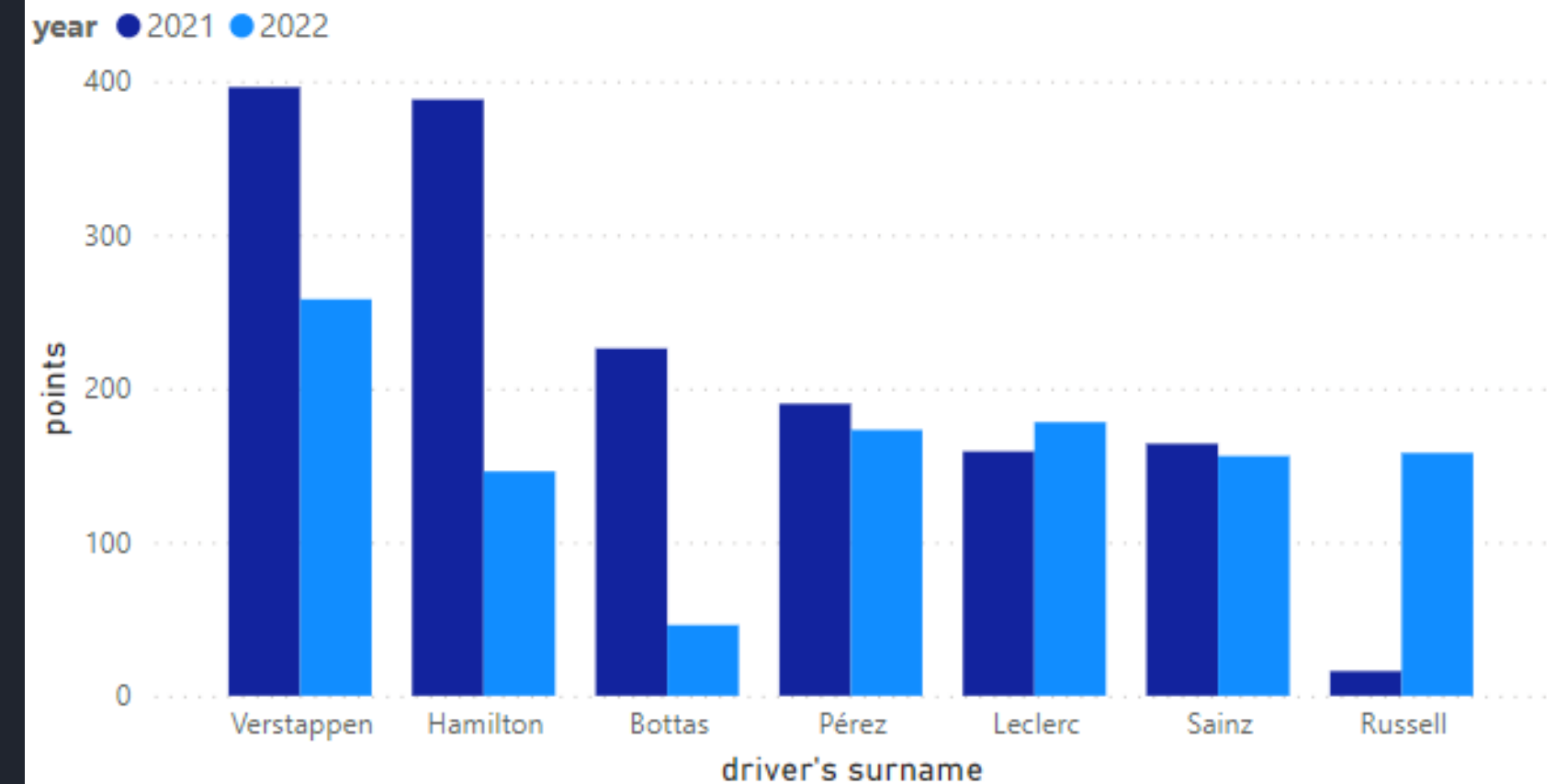
- This chart visualised the points scored by Ferrari drivers from 2019 to 2022
- Ferrari had a change of driver in 2020, in which Sainz replaced Vettel
- Leclerc had been more or less had a consistent performance in the last 4 years since joining Ferrari
- Sainz had been catching up by outscoring his new teammate in 2021 by a small margin
- Nevertheless, Leclerc had outperformed his teammate in 2022 after 12 races

- This charts visualised the points scored by top 3 constructor's drivers from 2019 to 2022
- Hamilton had dominate 2019 and 2020
- Leclerc and Vettel have a huge margin of points from Hamilton
- In 2021, Verstappen had beat Hamilton in driver championship title
- In 2022, Verstappen still lead the driver championship to retain his title
- Another driver from Red Bull, Perez had been a major problem for Ferrari's drivers to outperform

Points Scored by Top 3 Constructor's Drivers 2019-2020



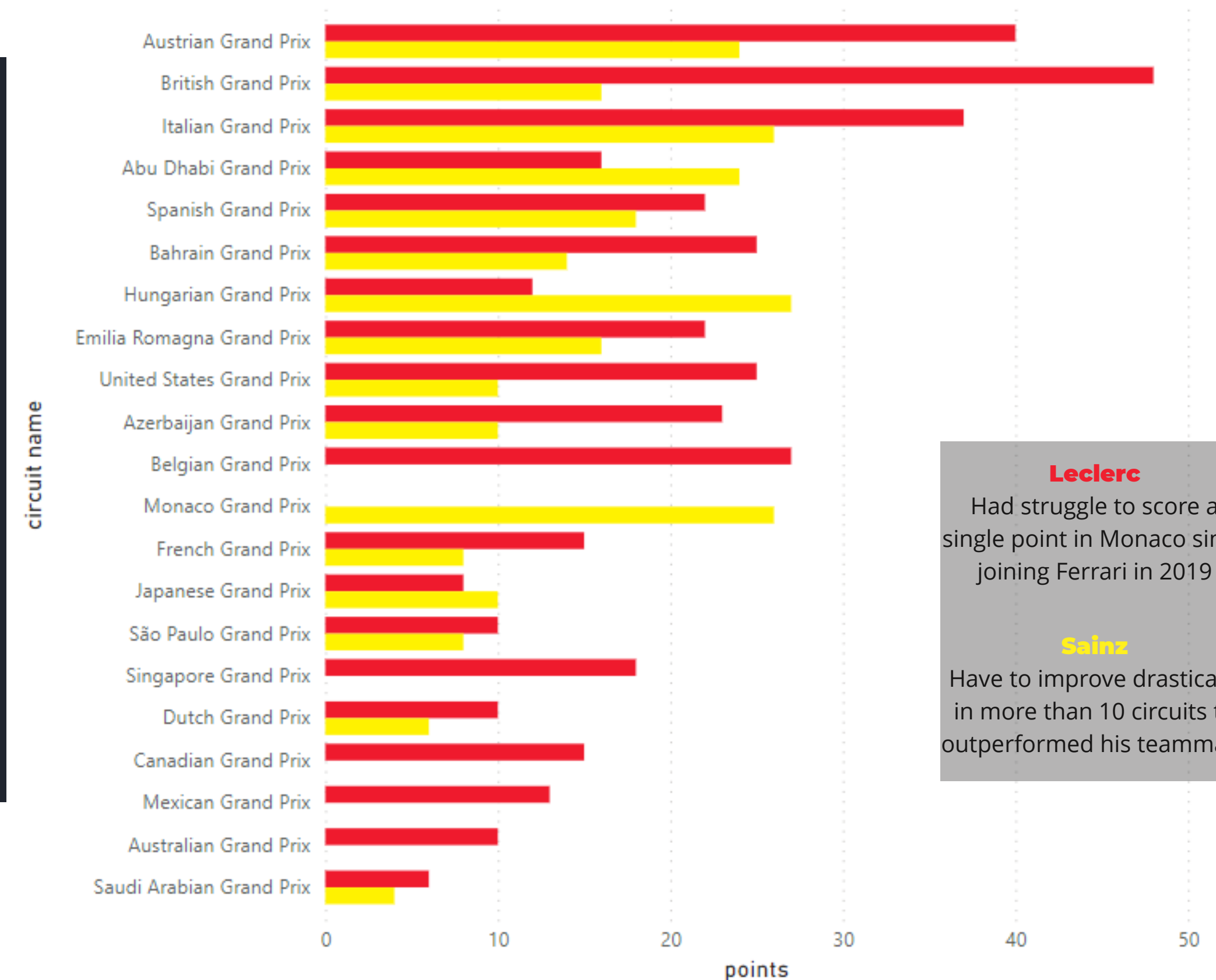
Points Scored by Top 3 Constructor's Drivers 2021-2022



- Chart shown is the total points being scored by Ferrari drivers in 2019-2021 on each race track that will be compete in 2022
- As being shown, the most point scored by Ferrari were in Austrian Grand Prix and British Grand Prix
- From this chart, it can be the indicator on which circuit that the drivers and car performed the most to exploit the most points.
- Leclerc have yet to score any points in the Monaco Grand Prix since his debut with Ferrari

Ferrari 2022 Driver's points scored from 2019-2021 at each circuit to be compete in 2022

surname ● Leclerc ● Sainz



Leclerc

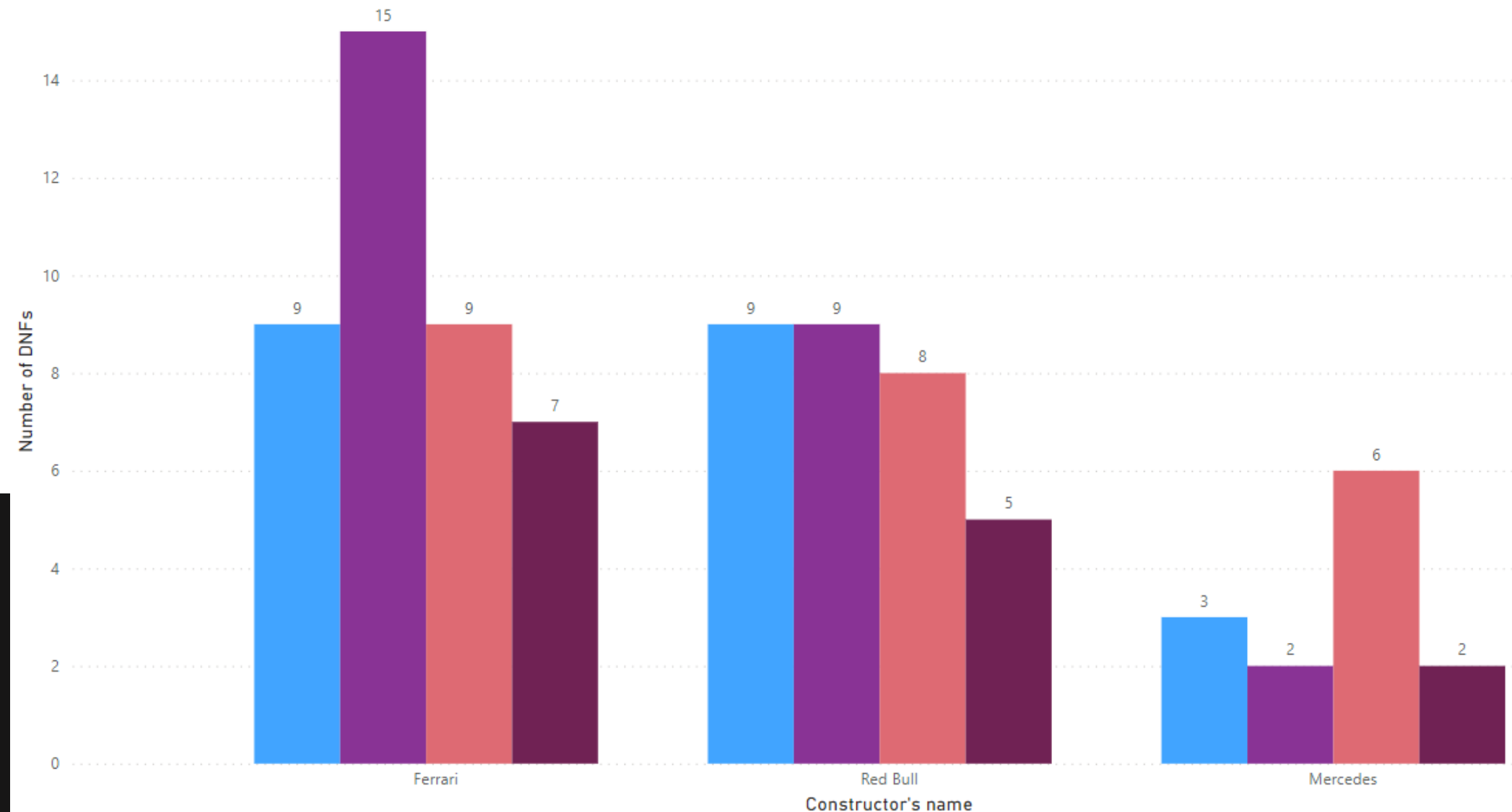
Had struggle to score a single point in Monaco since joining Ferrari in 2019

Sainz

Have to improve drastically in more than 10 circuits to outperformed his teammate

Count of Races by Top 3 Constructors Did Not Finished (DNF) 2019-2021

year ● 2019 ● 2020 ● 2021 ● 2022



Mercedes

Had been consistent with on car reliability over the years

Red Bull

Had improve a lot over the years in tackling the reliability issues

Ferrari

Had the worst reliability issues in the year **2020**

- This chart visualised the number of races that not finished by the top 3 constructors from 2019 to mid-season 2022
- The number of DNFs refer to each car being retired of the race, which each race a constructor will have 2 cars in a race
- Car retirement in a race will show the car lack of technical reliability
- As being shown, Ferrari had the most DNFs after 12 races by having 7 car retirement
- With 7 retirement, its equivalent to 3.5 races did not finished by Ferrari
- This 3.5 races had cost the Ferrari team quiet a lot of points being dropped

CONCLUSION

- The drivers line up for the Ferrari team in 2022 have shown quite a talent in driving skills based on the points been collected in previous and current season
- However, lack of car reliability had made Ferrari struggle in catching up to the title race from other top teams
- In the other hand, Ferrari drivers also lack of experiences in performing at certain circuit such as Canada, Mexico and Monaco will add the disadvantages to the Ferrari team
- For the year 2022, it seems that Ferrari still cannot win the constructor championship with the major issues with car reliability and driver lack of experience.
- Ferrari will have to step up their momentum in the coming years if they want to see the championship trophy back in the team.

