**What do you think is/where have you seen the best use of sports statistics in the past year?**

Statistics has been something we have heavily relied on because it helps us comprehend the world a little better. Every aspect of our lives widely embraces statistics, including sports. It has entirely changed the modern sports and Formula 1 is a perfect example.

With my newfound interest in racing this year, I learned racers are not the only ones who drive Formula 1 but also data. In the Brazilian Grand Prix, Charles Leclerc, a Scuderia Ferrari Formula 1 Driver, was battling with Sergio Perez for second place in the Drivers' World Championship, but quickly moved to last after making contact with Lando Norris on lap 7 and spinning out to the wall. Analysts evaluated his car’s salvageability by assessing real-time data sent from the sensors. When Charles entered the pits, the engineers and mechanics already had a repair for the problem and a revised strategy to help with the situation. Charles then finished in fourth place, tied with Perez in points. By the end of the season, Charles went on to finish second in the 2022 Driver Standings.

The recent season demonstrated once again the importance of sports statistics in the Formula 1 World. In fact, they use terabytes of data and telemetry to execute the best performance and strategy for each team. As Formula 1 teams gather data from the components of the race car, they send it to support teams where real-time analyses are performed. The results are subsequently sent back, used to inform decisions and execute plans for the driver and the car. Drivers themselves are also permitted to use this information to make changes to modes and settings while still in the car, mid-lap, and shift driving strategies if needed. Technological use in the industry has become so pervasive and crucial to success that even a 2-second lag in data transfer and processing can lead to a driver and its team losing championships.

Similar to Formula 1, many other sports are depending more on sports analytics to track performance, predict outcomes, and make more informed choices on the field.

Hi Chloe,

Thank you for your essay. Solid references here – I think your essay will benefit from more personal analysis. What do *you* think about the fact that sports analytics can do so much? That drivers and their teams can adjust in real time to optimize performance? Do you also have personal goals in the field? What you think can be done better? Just adding your own takes on this solid case study will allows the admissions officer to see a bit of your perspective.

C.G.