

Sorry, I'm not sorry

Let me take you back to  
2021...

# F1 2021 Championship



**Lewis Hamilton (Mercedes) vs Max Verstappen (Red Bull)**



**Ferocious rivalry w/ incidents marking the season**



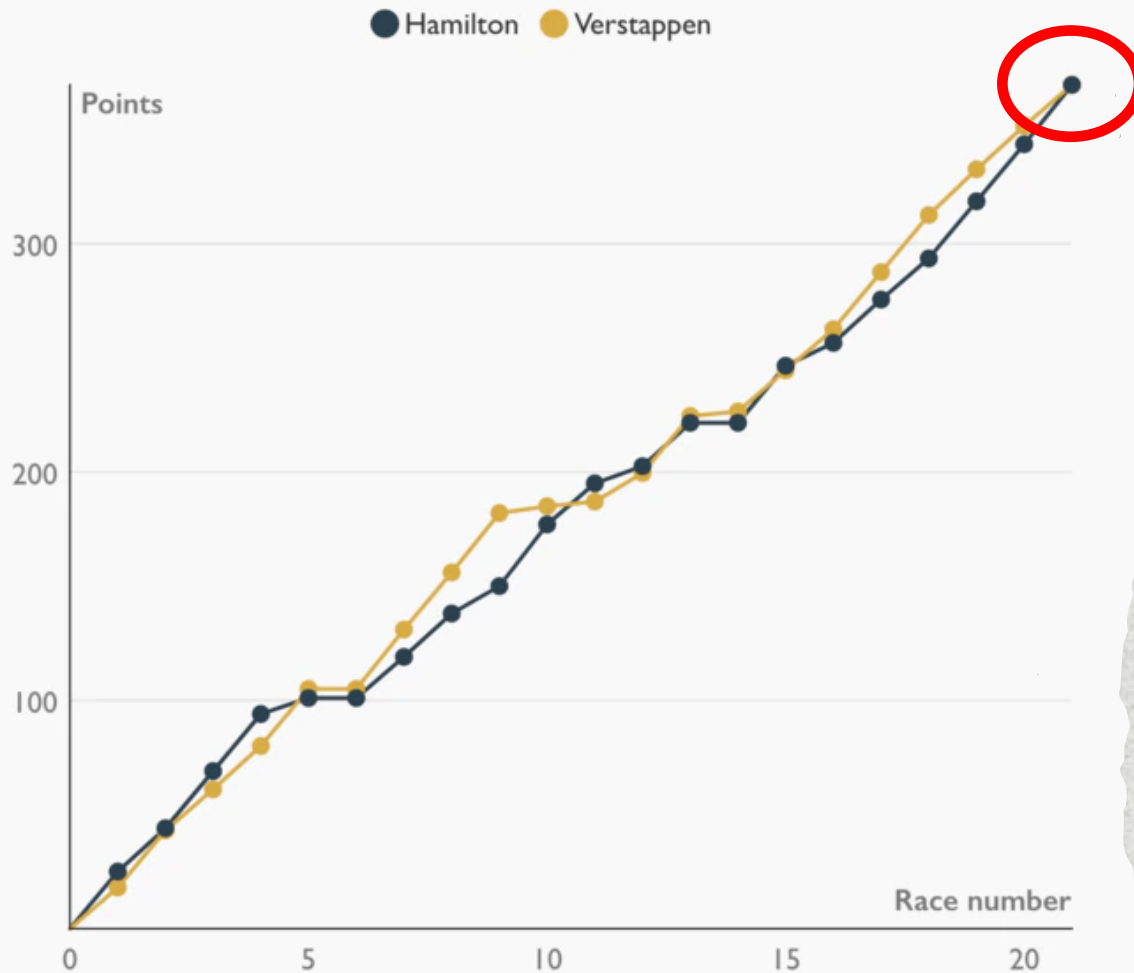
**Closest championship in F1 history**



FORMULA ONE

## Hamilton vs. Verstappen

Points over time. Select a circle for more information



# The odds were in Lewis Hamilton's favour to win the last race...

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However, other than Verstappen's 2020 win, Mercedes have won every Abu Dhabi GP since 2014. And the odds lean strongly in Hamilton's favour...

- Lewis Hamilton 1.45
- Max Verstappen 3.00
- Valtteri Bottas 17.0
- Sergio Perez 29.0
- Charles Leclerc, Lando Norris 67.0
- Carlos Sainz, Daniel Ricciardo, Pierre Gasly 101
- Esteban Ocon, Fernando Alonso, Yuki Tsunoda 251
- Antonio Giovinazzi, George Russell, Kimi Raikkonen, Lance Stroll, Mick Schumacher, Nicholas Latifi, Nikita Mazepin, Sebastian Vettel 601



“The clock is ticking.  
We are going to  
need a **MIRACLE** in  
the final 10 laps.”

Christian Horner—

# SAFETY CAR



## ENDING

- 1 HAMILTON
  - 2 VERSTAPPEN
  - 3 SAINZ
  - 4 BOTTAS
  - 5 TSUNODA
  - 6 GASLY
  - 7 NORRIS
  - 8 ALONSO
  - 9 OCON
  - 10 LECLERC
  - 11 VETTEL
  - 12 RICCIARDO
  - 13 STROLL
  - 14 SCHUMACHER
- PEREZ
- LATIFI
- GIOVINAZZI
- RUSSELL
- RAIKKONEN

FIA RADIO



MERCEDES







Last lap...unexpected twist...





Max is the world champion...



ABU DHABI GRAND PRIX 2021

# Hamilton fans' petition DEMANDING Abu Dhabi 2021 result change reaches 100,000 signatures

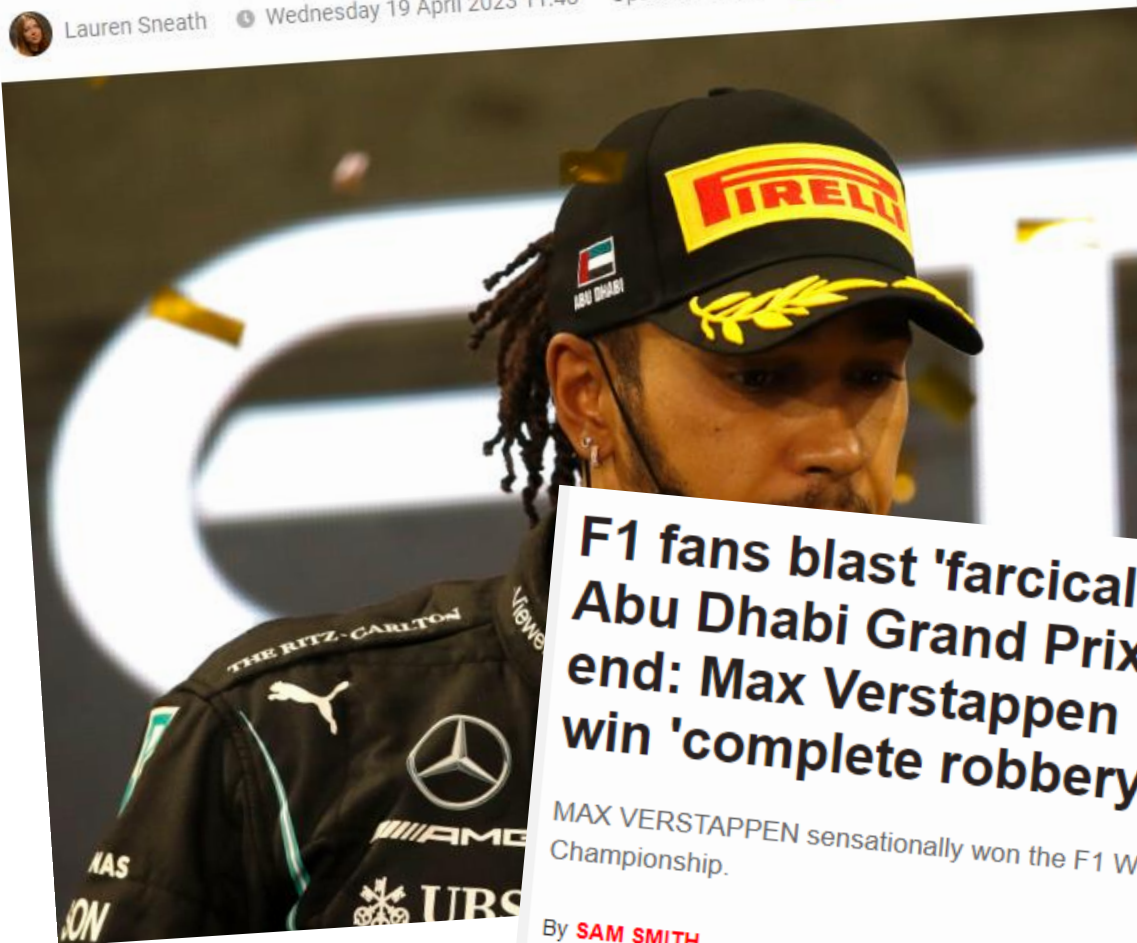


Lauren Sneath



Wednesday 19 April 2023 11:48

Updated: 12:00



## F1 fans blast 'farcical' Abu Dhabi Grand Prix end: Max Verstappen win 'complete robbery'

MAX VERSTAPPEN sensationally won the F1 World Championship.

By **SAM SMITH**

00:47, Mon, Dec 13, 2021 | UPDATED: 07:19, Mon, Dec 13, 2021



BOOKMARK



**Mirror**

Michael Masi's job as F1's race director remains under threat (Image: James Moy Photography/PA Images)

NEWS	POLITICS	FOOTBALL
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## Fuming fans sent axed F1 race director Michael Masi death threats after Abu Dhabi fiasco

For the first time, Masi has opened up on the level of horrific abuse he received from F1 fans on social media after the errors he made which cost Lewis Hamilton the 2021 title



Could we have predicted  
this outcome?

We will find out....





#CBCDRAGONS DEN



**I THINK THIS IS  
VERY CLEVER**

In reality the  
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# Introduction to the Dataset & EDA Findings

- **Dataset Overview:** Comprehensive F1 race data (on a driver level for each race) from 1995-2023.
- **Volume and Variety:** Includes 11.2k rows and 37 columns (e.g. race winner, starting grid position, engine manufacturer, fastest lap time, etc.)
- **Data Quality Concerns:** Identified missing values in 7 columns and inconsistencies (e.g. the races weren't in order).
- **Preliminary EDA Insights:**
  - Dominance of certain teams (Mercedes & Red Bull) and drivers (Lewis Hamilton and Michael Schumacher) in historical data.
  - The data is imbalanced (95.39% non-wins, 4.69% wins) which can challenge prediction models to avoid bias towards the majority class.

# Next Steps: Data Processing, Feature Engineering, & Modeling

**Data Cleaning:** Refine dataset by handling missing values and duplicates

- **Feature Selection:** Identify predictive variables for race outcomes.
- **Feature Engineering:** Create new features from existing data for insights.
- **Normalization:** Scale data to prepare for modeling.

**Baseline Model:** Start with logistic regression for classification.

Thanks for  your time