

Liverpool FC

9 Seasons of Klopp
Exploratory Analysis

Emil 2024



Jürgen Klopp

Liverpool Manager since
October 2015



Resources

- API-Football by API Sports
- <https://teamcolorcodes.com/>
- https://en.wikipedia.org/wiki/Jürgen_Klopp
- Matplotlib for visualisations
- Pandas for data cleaning



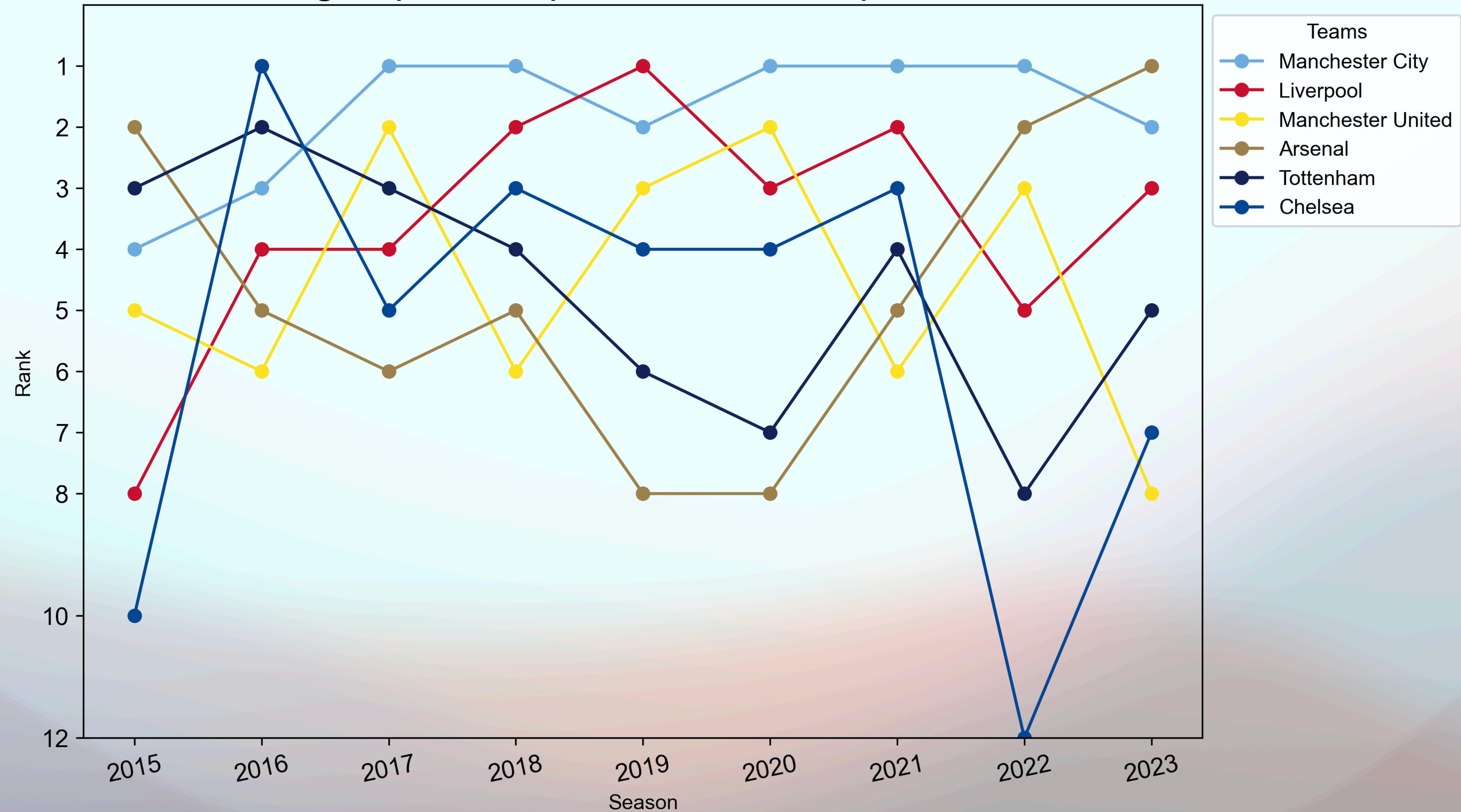
Total Stats

An impressive tenure

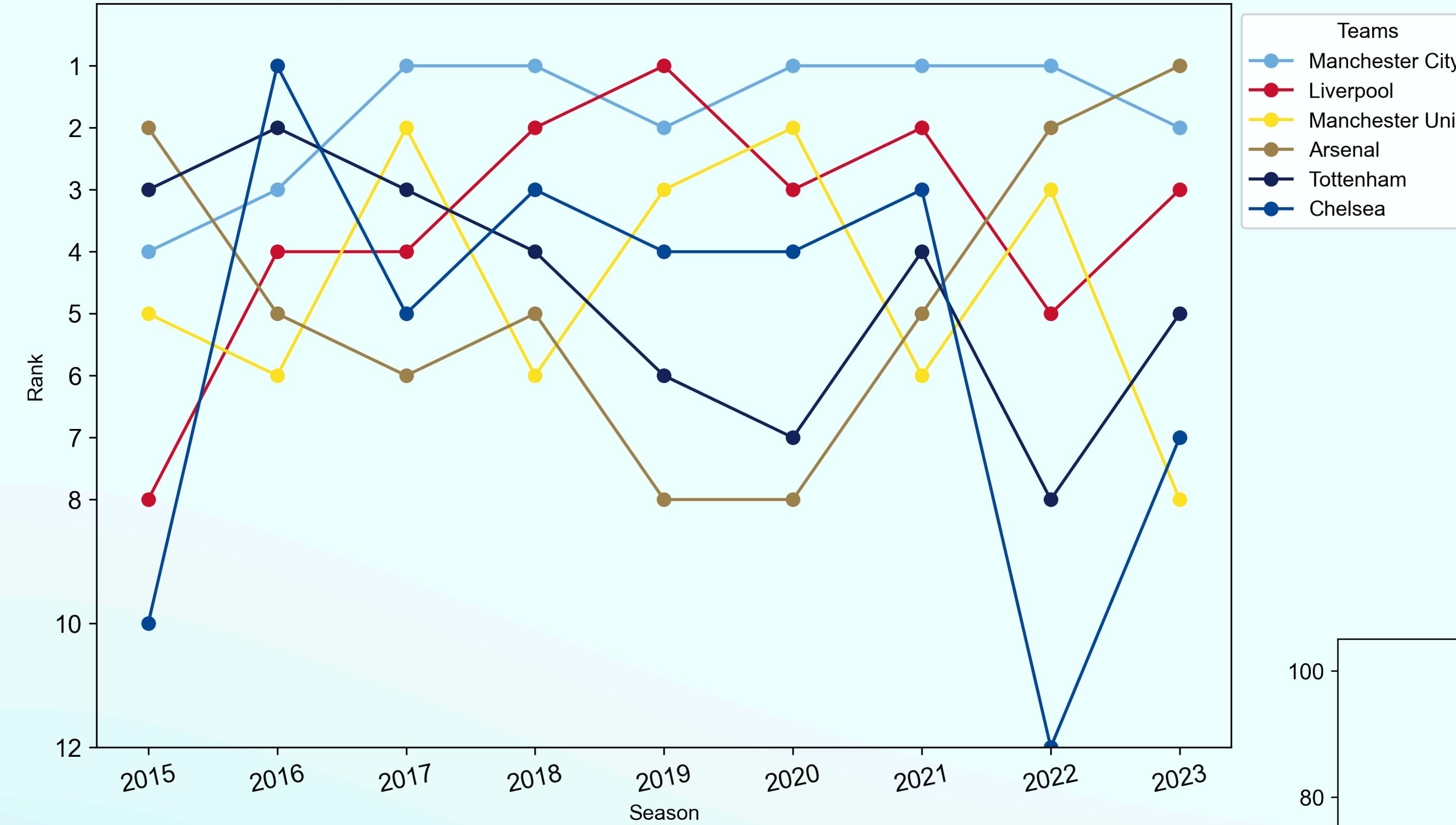
- 332 Premier League Games
- 208 Wins (2nd)
- 77 Draws (18th)
- 47 Losses (2nd)
- 701 Points (2nd)
- Average League Finish 3.5 (2nd)
- First League Title in 30 years



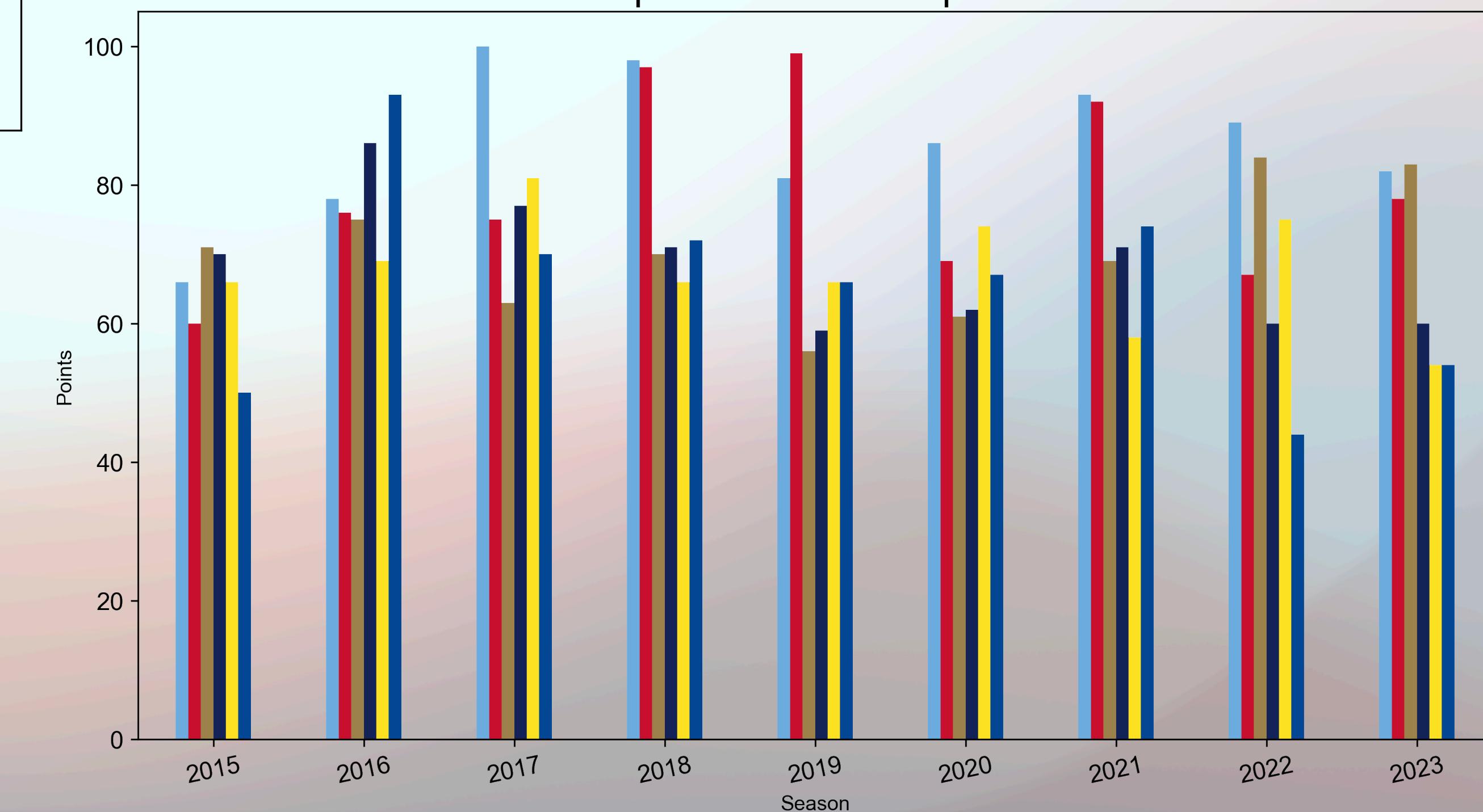
League position per season for top 6 teams



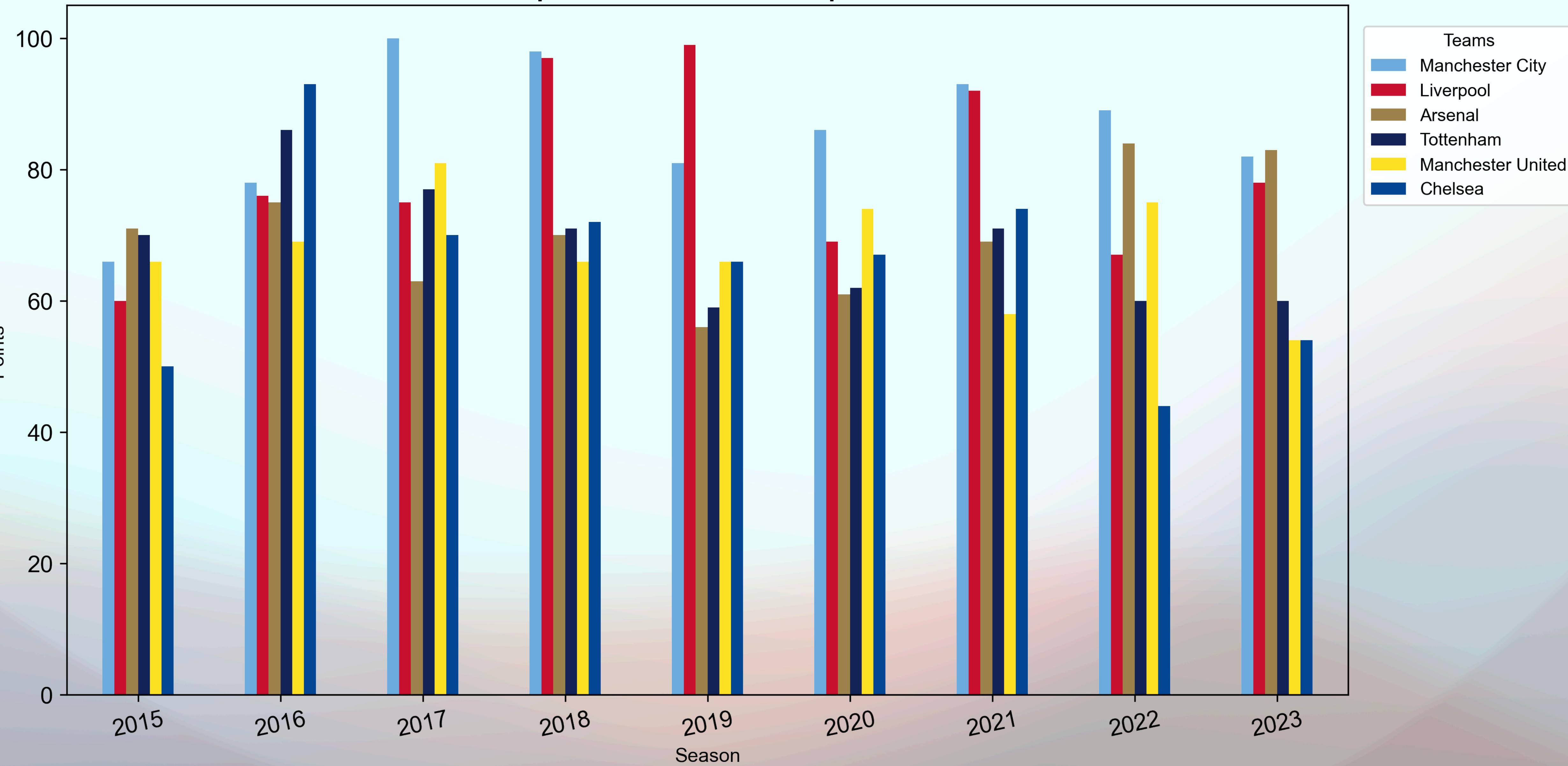
League position per season for top 6 teams



Points per season for top 6 teams



Points per season for top 6 teams



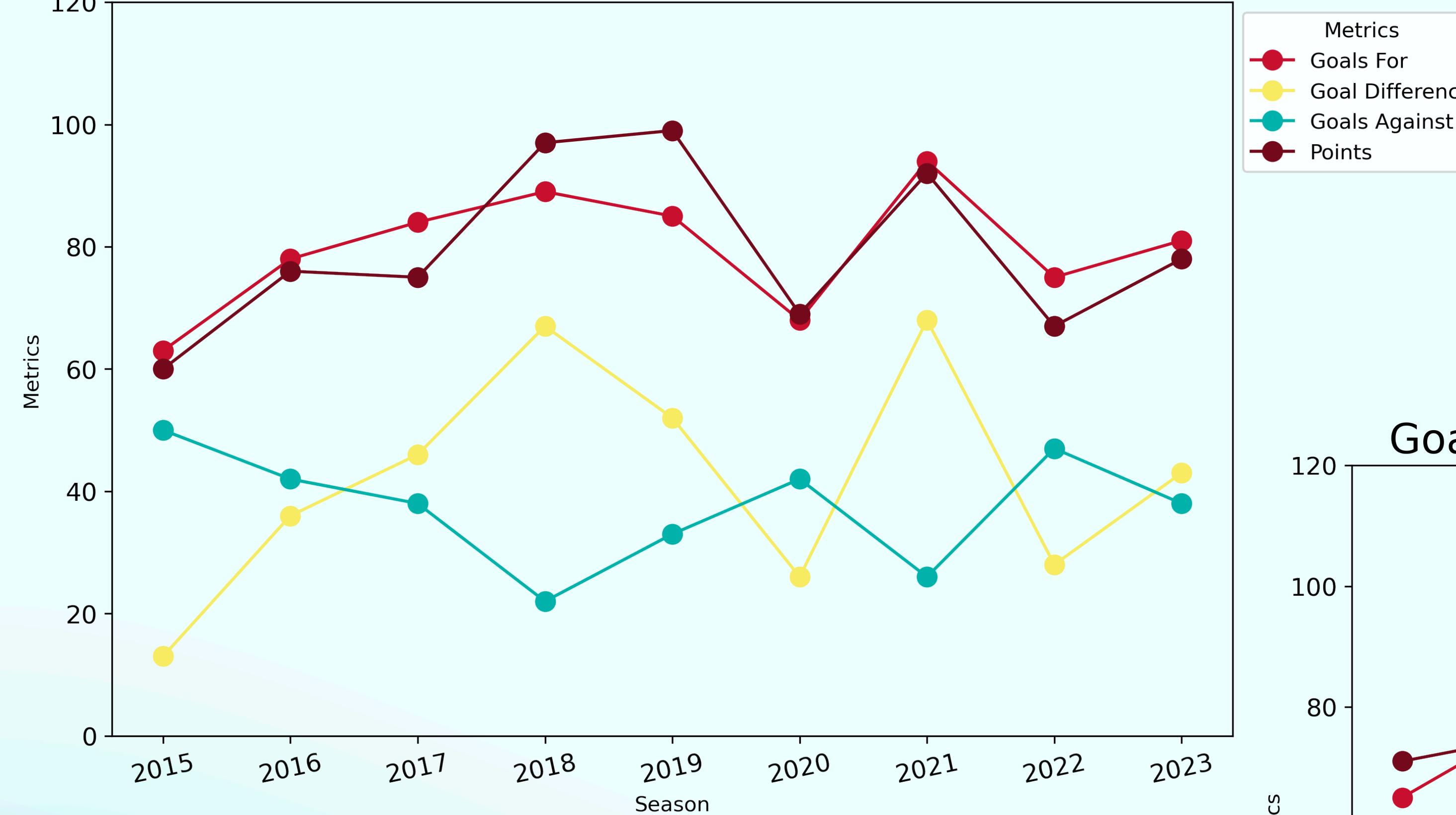
Goal Difference per Season for Liverpool



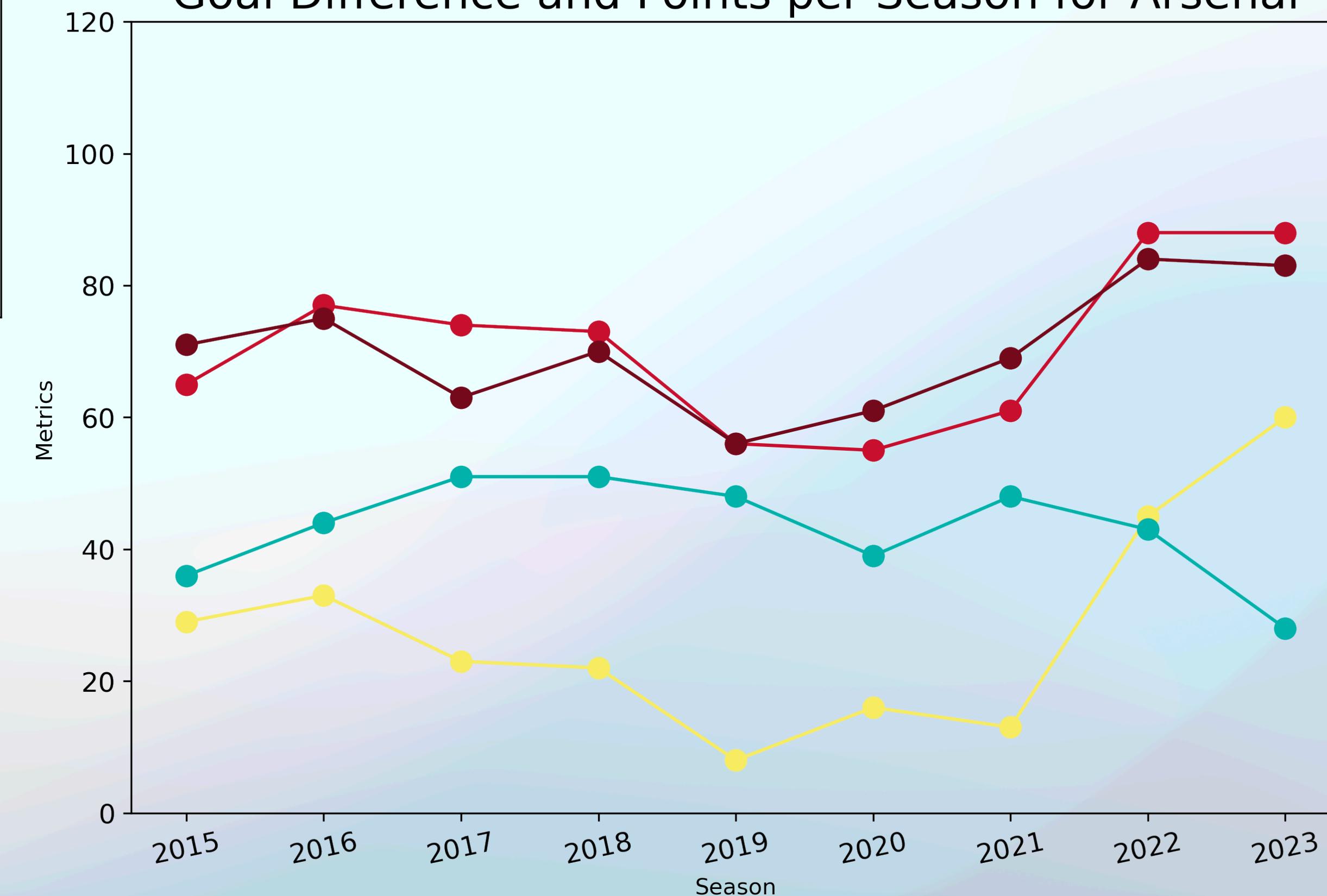
Goal Difference and Points per Season for Liverpool



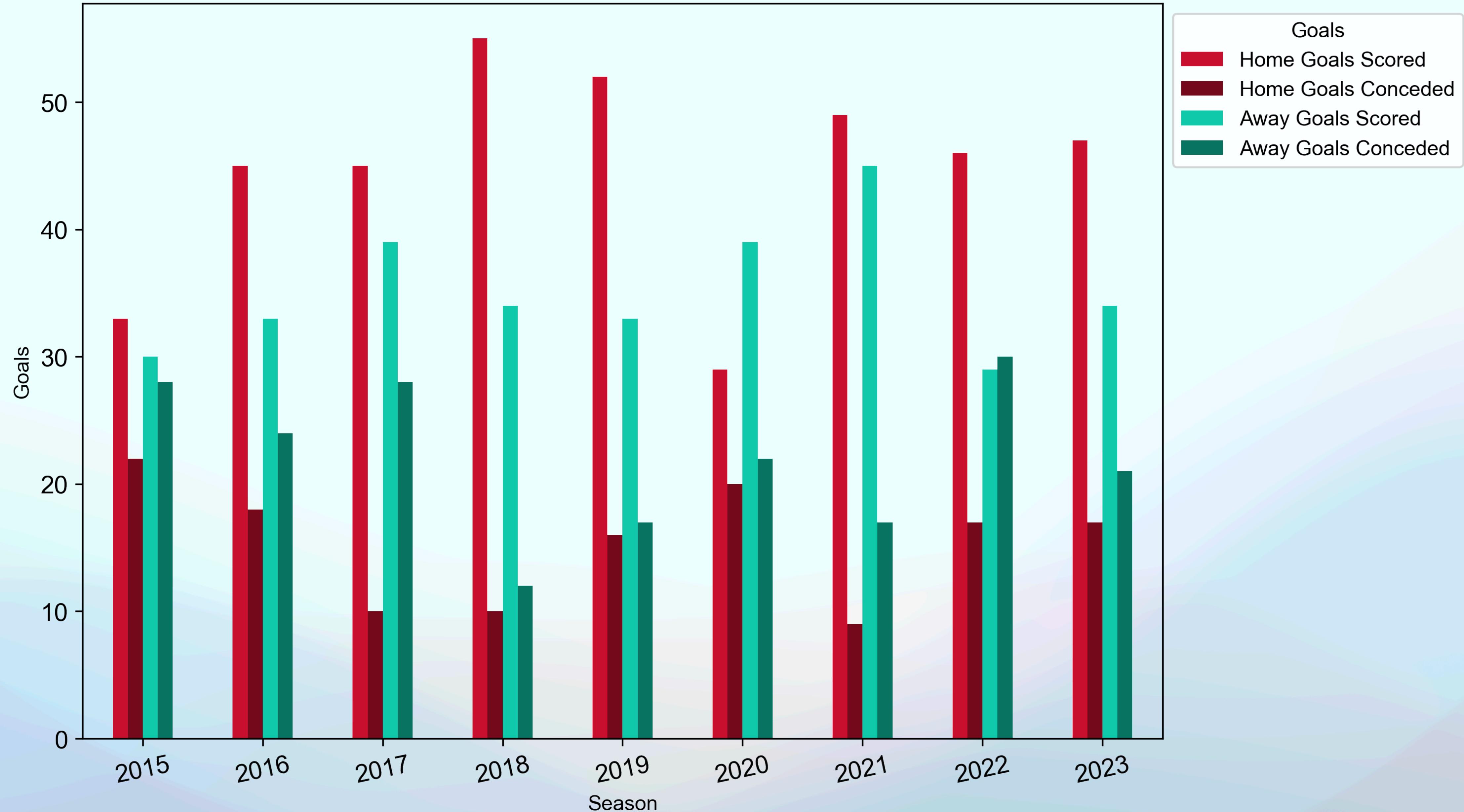
Goal Difference and Points per Season for Liverpool



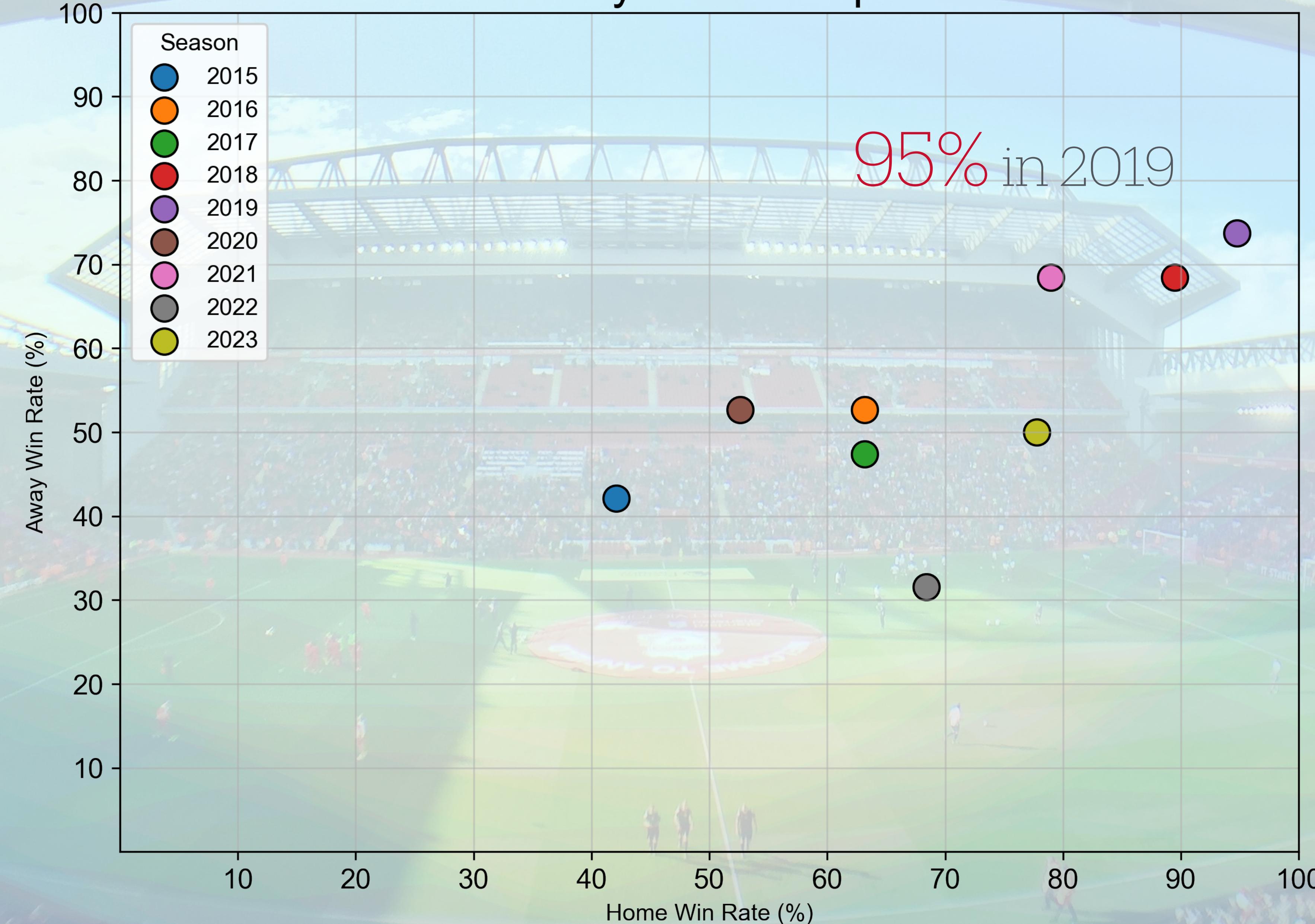
Goal Difference and Points per Season for Arsenal



Goals Scored and Conceded per Season



Home vs Away Win Rate per Season



Struggles

- Figuring out the API
- Trying to webscrape Transfermarkt
- Relying too much on Chat-GPT to write my code
- Half of my time being invested into dead ends

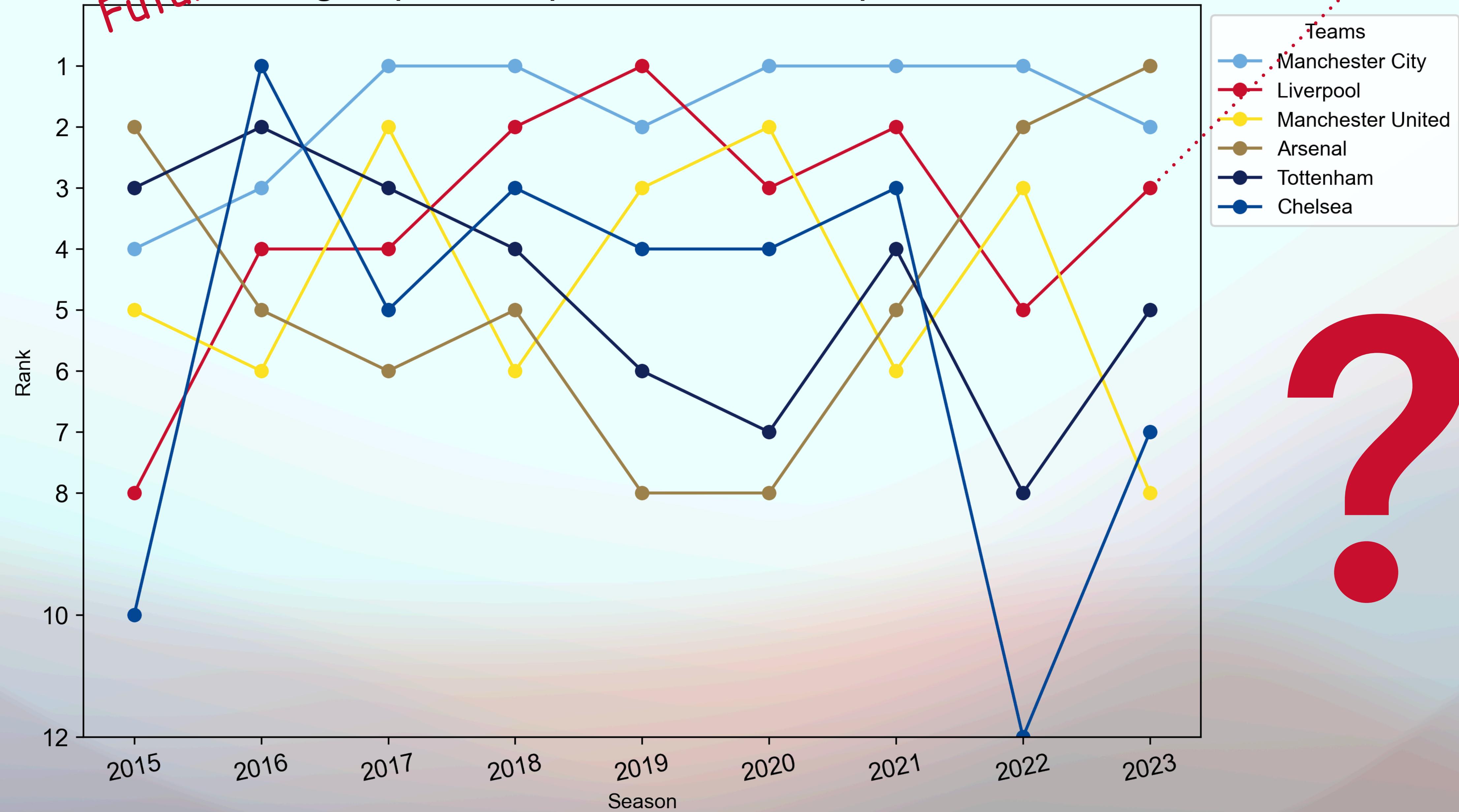
Highlights

- Having a fully cleaned DataFrame with relevant stats
- Making this keynote
- Getting to tell you all about Liverpool FC and Jürgen Klopp
- Having Chat GPT write a super nice Readme file for my GitHub

What did I learn?

- API's are not as easy to navigate as they may seem
- I much prefer API's to Webscraping
- It's very easy to run into dead ends when you are lacking in knowledge and time

Future League position per season for top 6 teams



End

Thank you