

Steps I Followed:

1. Read and prepare the data:

- Loaded the Excel file (which was originally saved as .xlsx).
- Made sure the Date column was properly converted into datetime format.

2. Stored match history for each team:

- I created a dictionary to track past matches for every team.
- After each match, I saved the stats for both the home and away teams into that dictionary.

3. Calculated rolling stats:

- For each match, I looked up the previous matches of the home and away team.
- I calculated totals over the last 5, 15, and 38 matches for each important stat (like goals, fouls, cards, etc.).
- I also counted how many of those were wins, losses, or draws.

4. Organized the columns:

- I followed the required sequence of output columns to make the data easy to understand and ready to use for analysis or modeling.

5. Saved the final output:

- The final result is a cleaned and manipulated dataset where every match includes summarized past performance of both teams.