Quick Write-up of My Approach

The task was to calculate rolling stats (like goals, shots, cards, etc.) for each football team over their last 5, 15, and 38 matches — separately for home and away games.

To do this, I first sorted the data by date and kept track of each team's match history. For each game, I looked back at the past matches of both the home and away teams. Depending on whether the team played at home or away, I pulled the relevant stats and computed totals for each window size.

I also calculated match results like wins, losses, and draws. All these rolling stats were added as new columns to the original dataset, which I then saved as a new file.

This setup avoids data leakage and keeps the logic clean and easy to scale later.