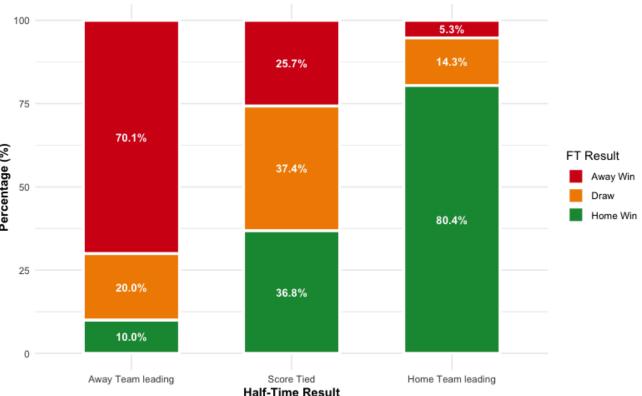
# Home field advantage in the English Premier League

# Home Advantage Over Time in Premier League (2000–2022) Teams win ~45% of all home games, with the pandemic years (where fans were not allowed in the stadium) being notable outliers 55 40 40 35 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022 Year

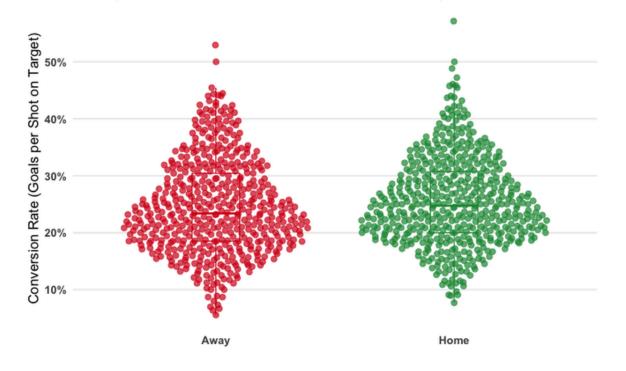
### From Half-Time to Full-Time

When home teams are leading at half time, they go on to win the game about 80% of the time When scores are tied, the home team comes away with at least a draw around 75% of the time



### Shot Quality: Home vs. Away Performance

Each dot represents a team's goal conversion rate in a single season. There seems to be no significant difference in conversion rate between home and away teams



## Referee Bias Analysis: Home vs Away

Ratio below 1.0 = fewer yellow cards at home (treated favorably at home); above 1.0 = more yellow cards at home (treated unfavorably at home)



# 80% of teams are penalized less on average by referees at home, leading to a significant physical edge

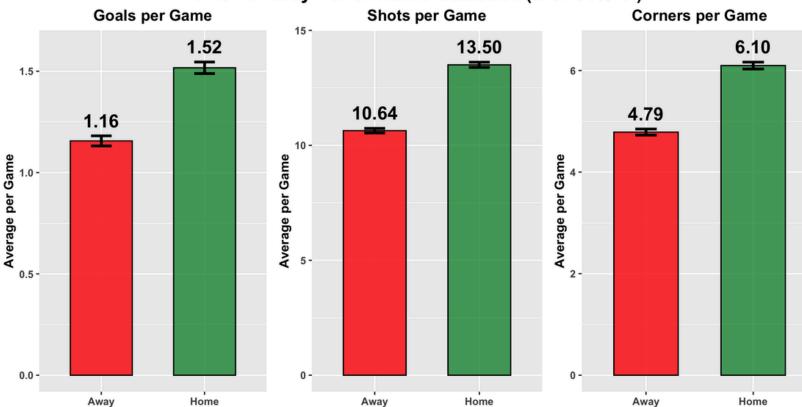
### Premier League table 2019/20

The best teams also tended to have the strongest home vs away referee bias



Note: The data for this infographic was obtained from the <u>English Premier League</u> dataset on Kaggle

# Home vs Away Performance Statistics (with 95% CI)



Home teams show a clear advantage, recording more goals, shots, and corners per game than away teams.