

# MONEYBALL 2.0:FINDING UNDERVALUED TALENT FORCOST-

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## Introduction

- Sports analytics can be referred to as a scientific field that deals with the collection and analysis of past and current sports data.
- This collection combines and applies methods that can give an added benefit to a player or team.
- This analysis can give qualitative analysis to players, owners, sporting directors and team to help them predict future situations or make suitable decisions.
- Moneyball is the building of a competitive team using limited budget, with the help of sports analytics.

## Objective

- Identify the best predictors of a team's success in football.
- How a top football club can identify undervalued attacking talent in the player market to cut purchasing cost.

## Methodology

- Players and team performance were obtained from Fbref.com, www.kaggle.com, whoScored.com and some sports analytic articles.
- Data collected were based on leagues in Europe.
- Data collected were goals and assists on team level. And goals, assists, salary and transfer fee on player level.
- Data collected was verified against official league websites
- Undervalued and overvalued players were classified based on their attacking output relative to their salary and transfer cost.
- Python was used for data processing.

## Charts

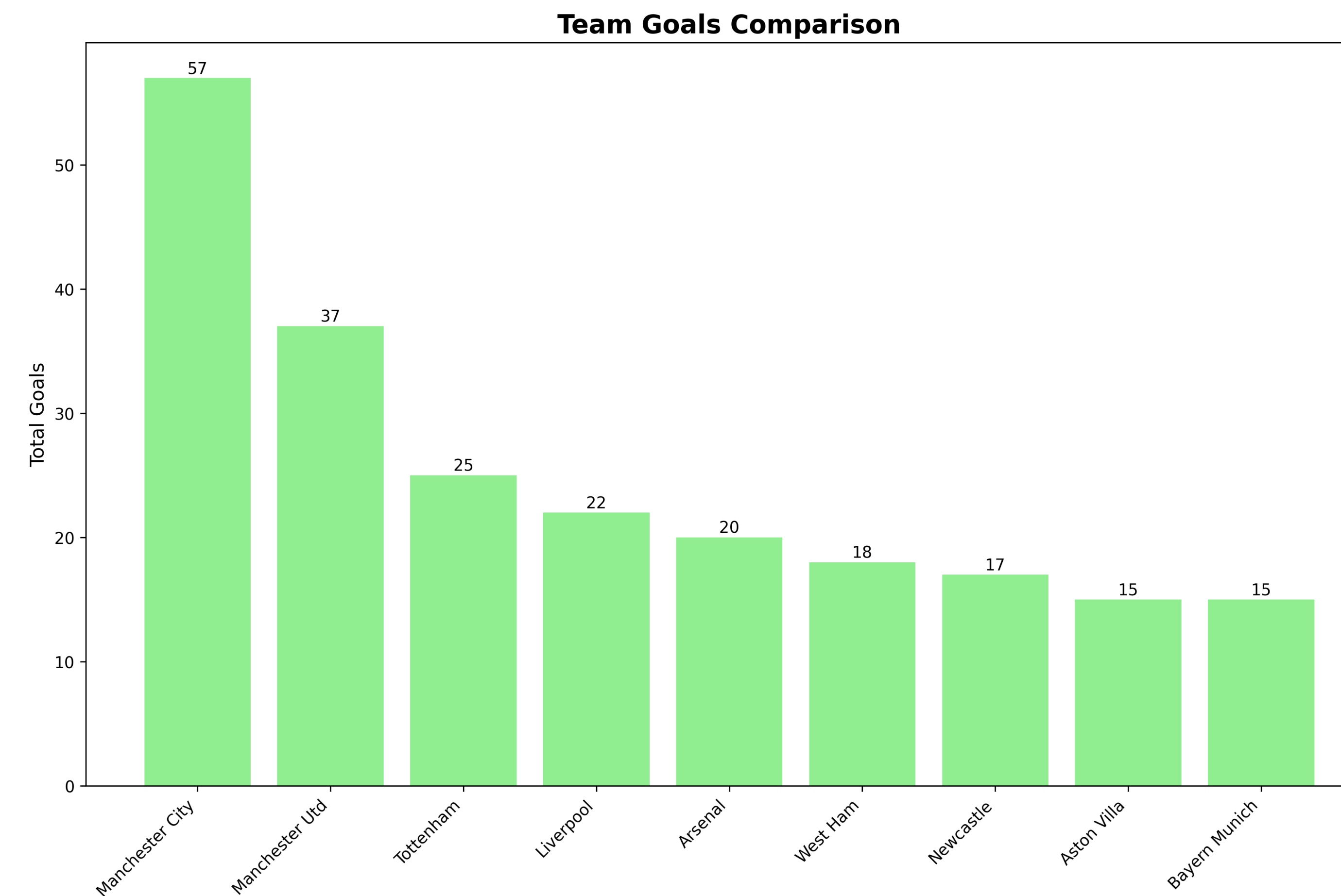


Fig. 1: Team Goals Comparison

## Future Work

- Analyze how defensive statistics might have an impact on a team.
- Research how a goalkeeper's stats can influence the team.
- Analyze the statistics of midfielders and their impact.
- Do a combined analysis based on all positions.

## Conclusion

Insert conclusion here

## References

- <https://fbref.com/>
- <https://www.sciencedirect.com/science/article/pii/S0306437920300557>
- <https://www.mdpi.com/2411-5142/9/2/107>

## Top Goal Scorers

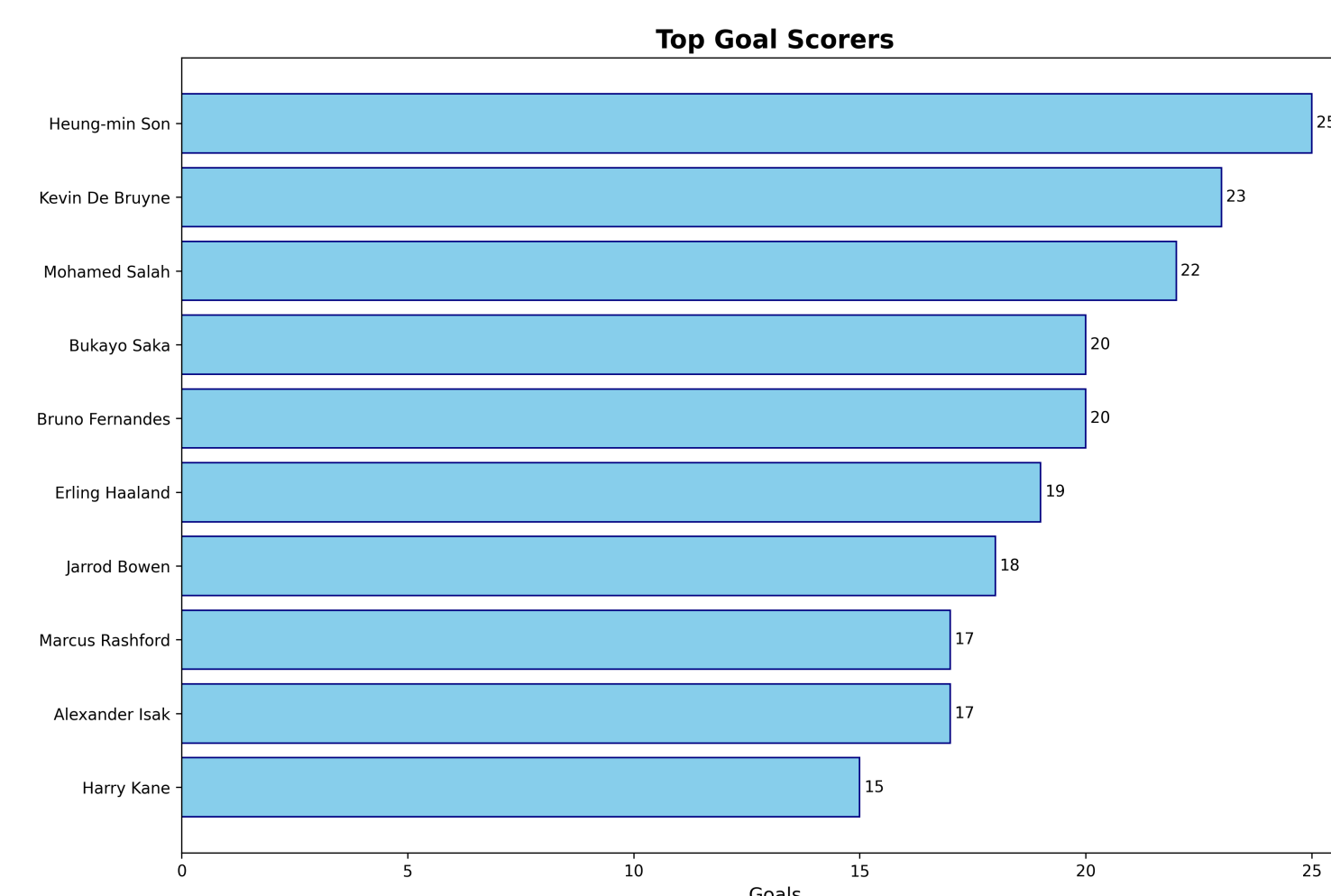


Fig. 2: Top Goal Scorers

## More Results

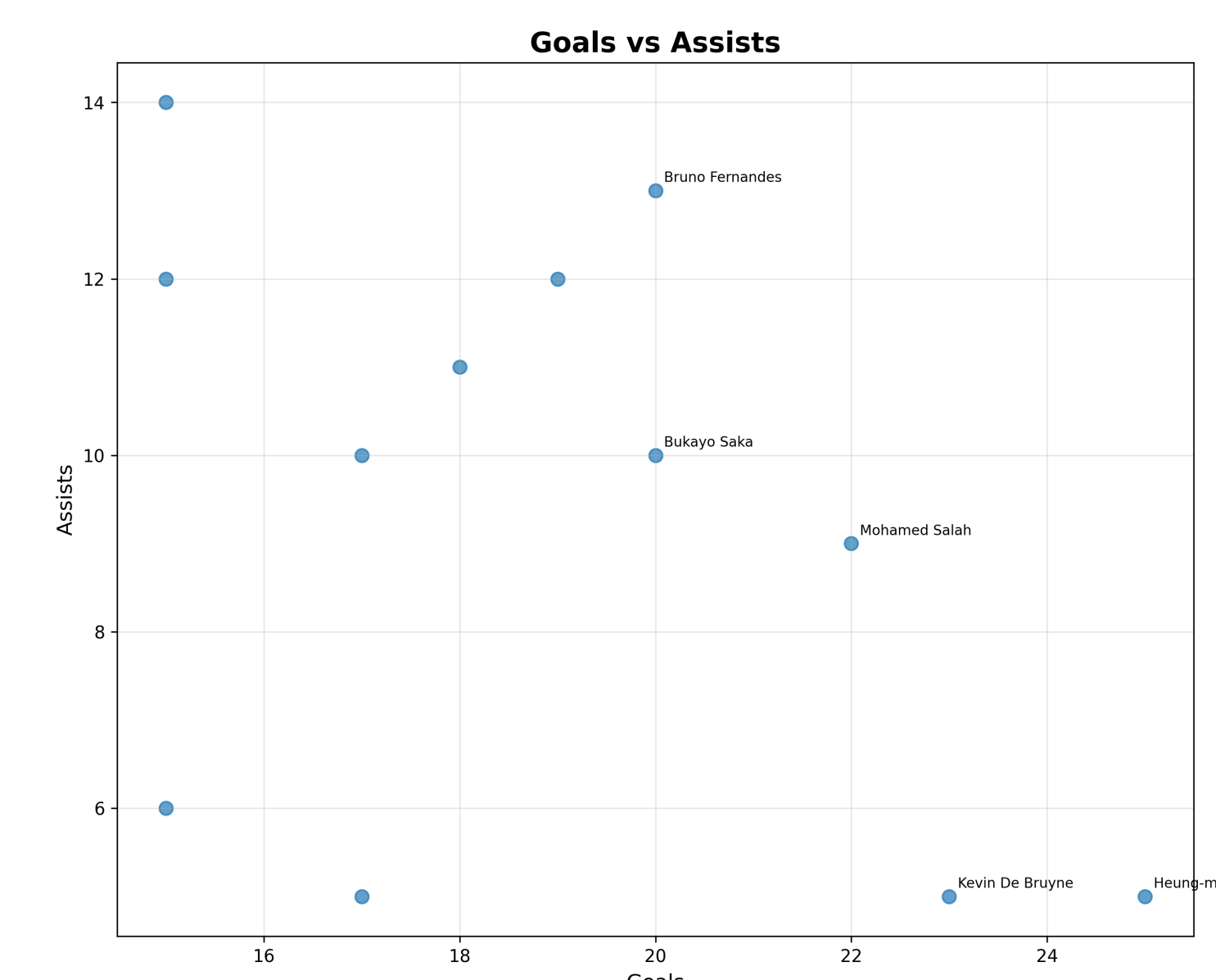


Fig. 3: Top Goal Scorers