

Striker efficiency in Top 5 European Football Leagues

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Project Overview

Original Dataset: 2021-2022 Football Player Statistics in Top 5 European leagues

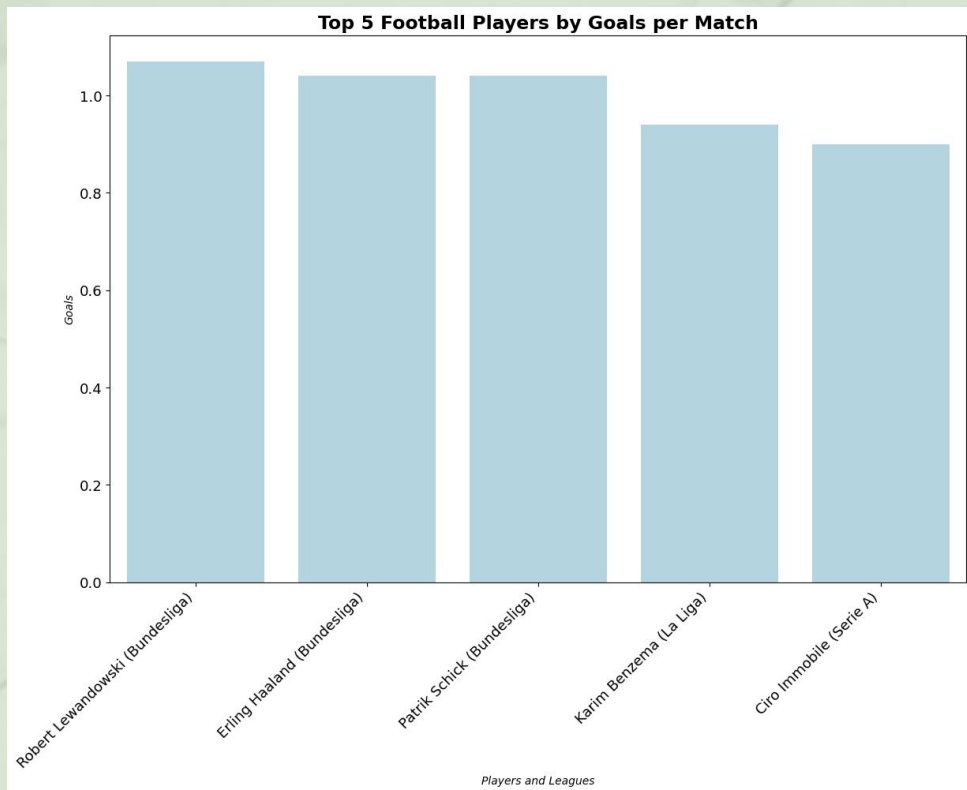
Problem Statement: Do Europe's top-scoring strikers also lead in efficiency, or do deeper metrics tell another story?

Hypothesis 1: Strikers with high goals per match do not necessarily have the best efficiency, suggesting that frequent goal scorers might not always shoot efficiently.

Hypothesis 2: The most recognized strikers are not always those with the best shooting efficiency per 90 minutes, indicating that popularity may not align with shooting efficiency.

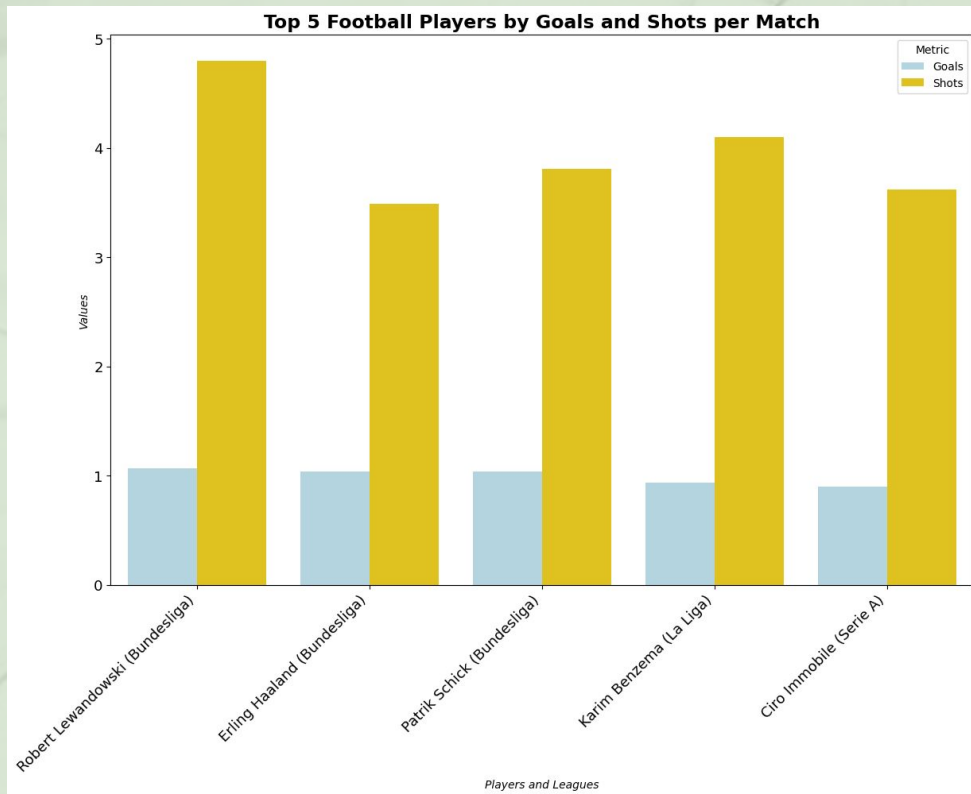
Hypothesis 3: A player's scoring success changes depending on the league due to each one's unique playing style and defense.

Leading Goalscorers



- Showcasing some of the biggest stars.
- Top 3 players score over one goal per game.
- 3 out of 5 play in the Bundesliga

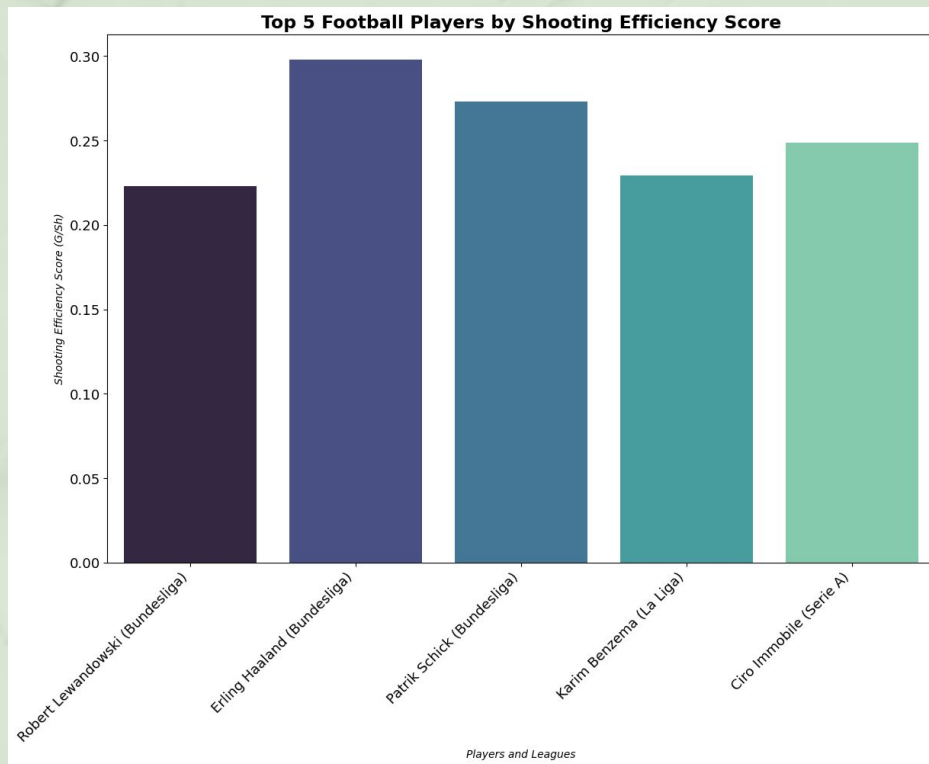
Scoring and Shooting Excellence



- Shows who scores the most with their chances.
- Highlights volume of shooting each player does per match

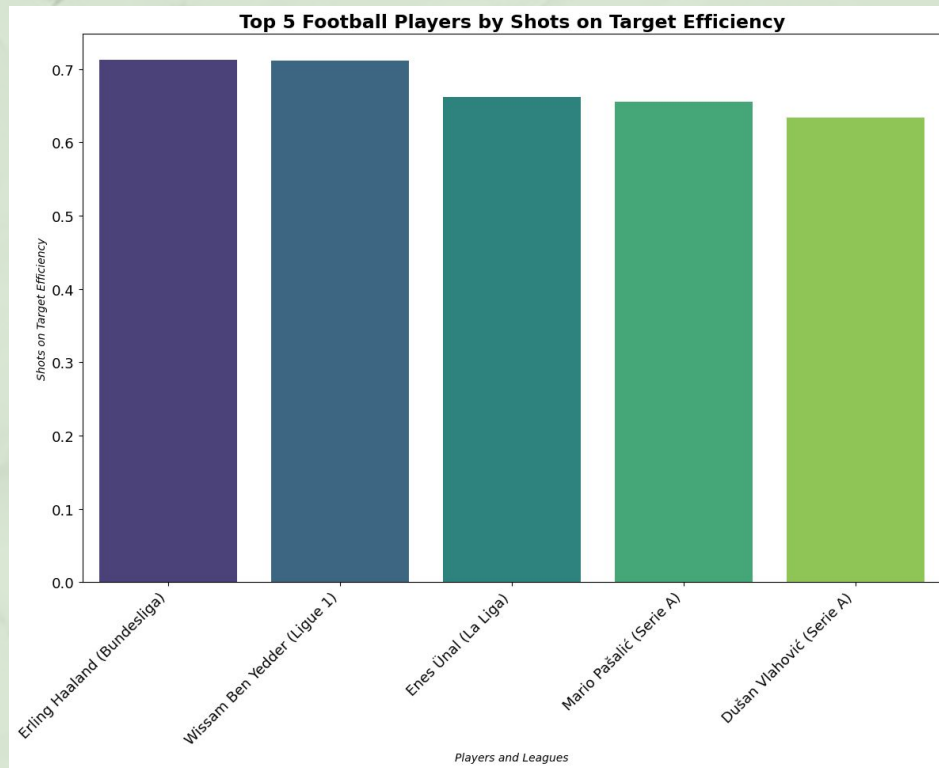
Shooting Efficiency Score

- **Shooting Efficiency Score:** Measures how well players turn shots into goals.
- **Haaland's Precision:** Nearly a third of his shots successfully find the back of the net.

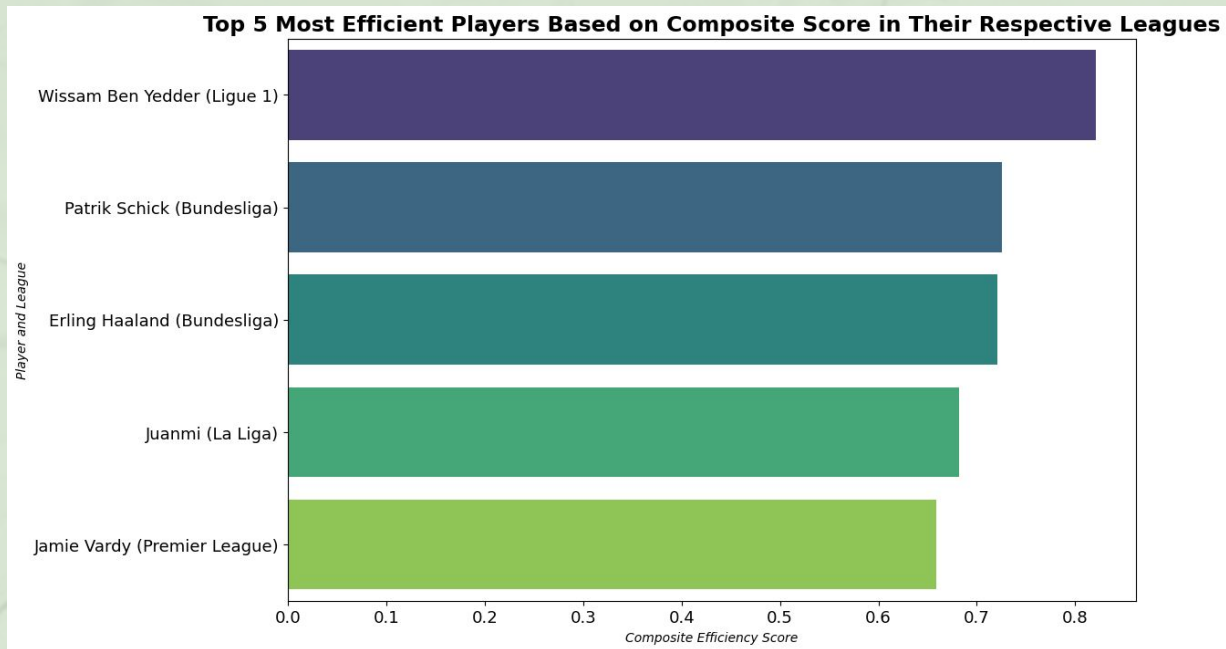


Shots on Target Efficiency

- Identifies top players who turn their attempts into serious threats by consistently hitting the target.
- Less common names, but highly efficient with shots on target



Most Efficient Goalscorers

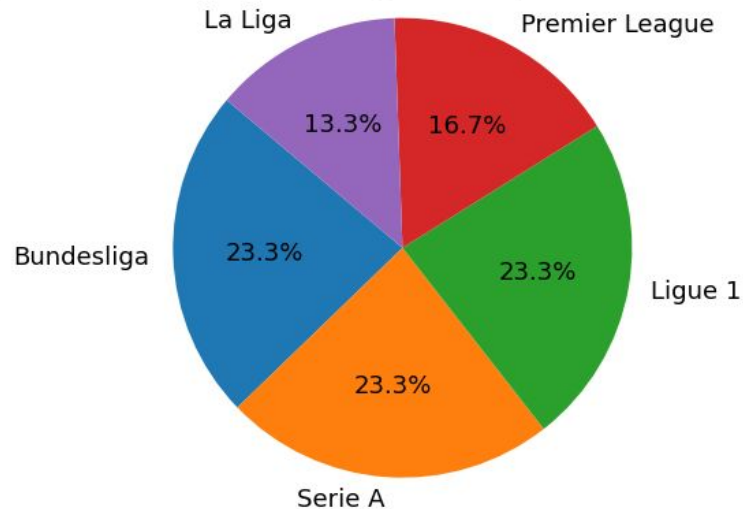


- **Composite Score:** Based on Shooting Efficiency, Shot on Target Efficiency and Goals per 90 min
- Highlights players capitalizing on fewer opportunities to score goals.

League Breakdown of Leading Goalscorers

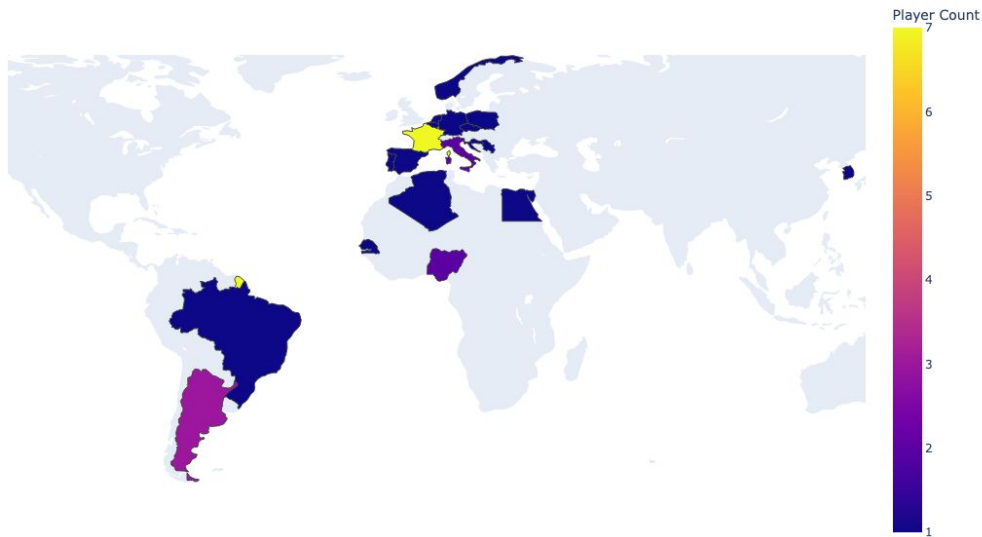
- Less players from La Liga and Premier League.
- An indication for this could be the difficulty of the league, however more data is needed to confirm this.

League Distribution of Top 30 Players Based on Goals



Worldwide Distribution of Elite Goalscorers

Worldwide Distribution of Top 30 Players Based on Goals



- Majority of the players are European, South American or African.
- France has the most players in the top 30, followed by Argentina.

Conclusion

- The leading goalscorers do not always have the best efficiency. This could be due to getting more opportunities during a match, but not finishing them.
- Some of the most efficient strikers are less known.
- Hard to say if the league has an impact on efficiency due to some information missing in the dataset.

Thank You!