

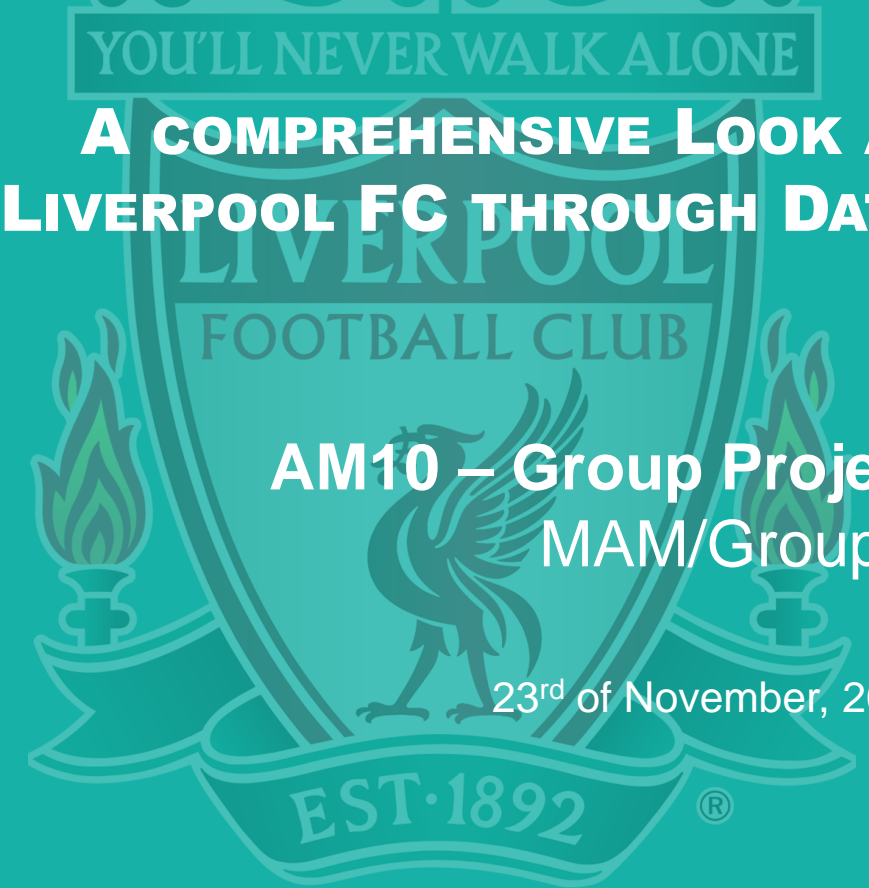


# THE TALE OF LIVERPOOL

**A COMPREHENSIVE LOOK AT  
LIVERPOOL FC THROUGH DATA**

**AM10 – Group Project  
MAM/Group 8**

23<sup>rd</sup> of November, 2022





# We included several datasets to ensure a thorough analysis



2021-2023 Football  
Team Stats



2015-2023 FIFA  
Player Stats



2021-2023 Football  
Player Stats



1992-2022  
Football Transfers



100 Most Valuable  
Football Teams

# Liverpool is facing intense competition in the Premier League

Liverpool is currently 2<sup>nd</sup> most valuable team in the Premier League  
Treemap of current sum of player value per team

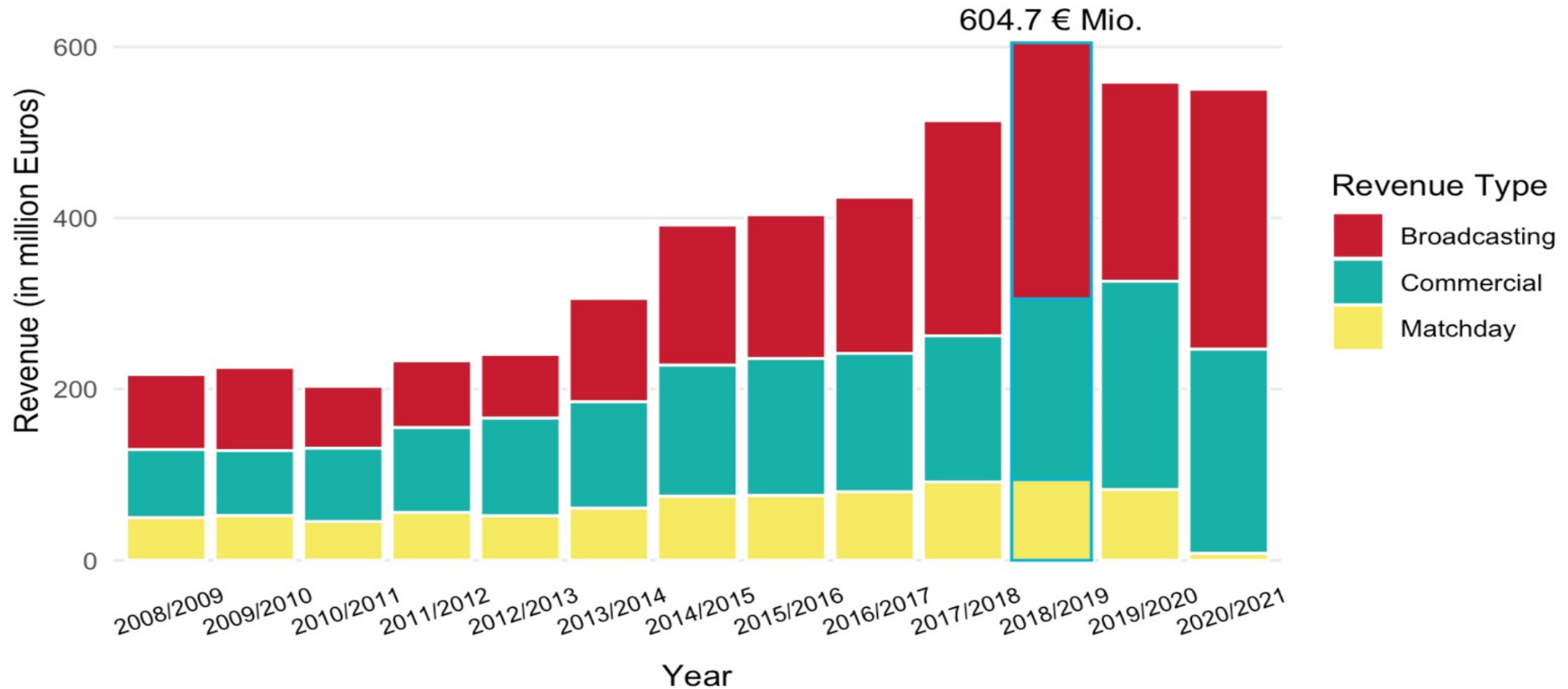


# The more revenue a team makes, the better players it can afford



## Liverpool's revenue spiked in 2018/2019 season along with team performance

Barchart of annual revenue for the years 2008-2021 by revenue type

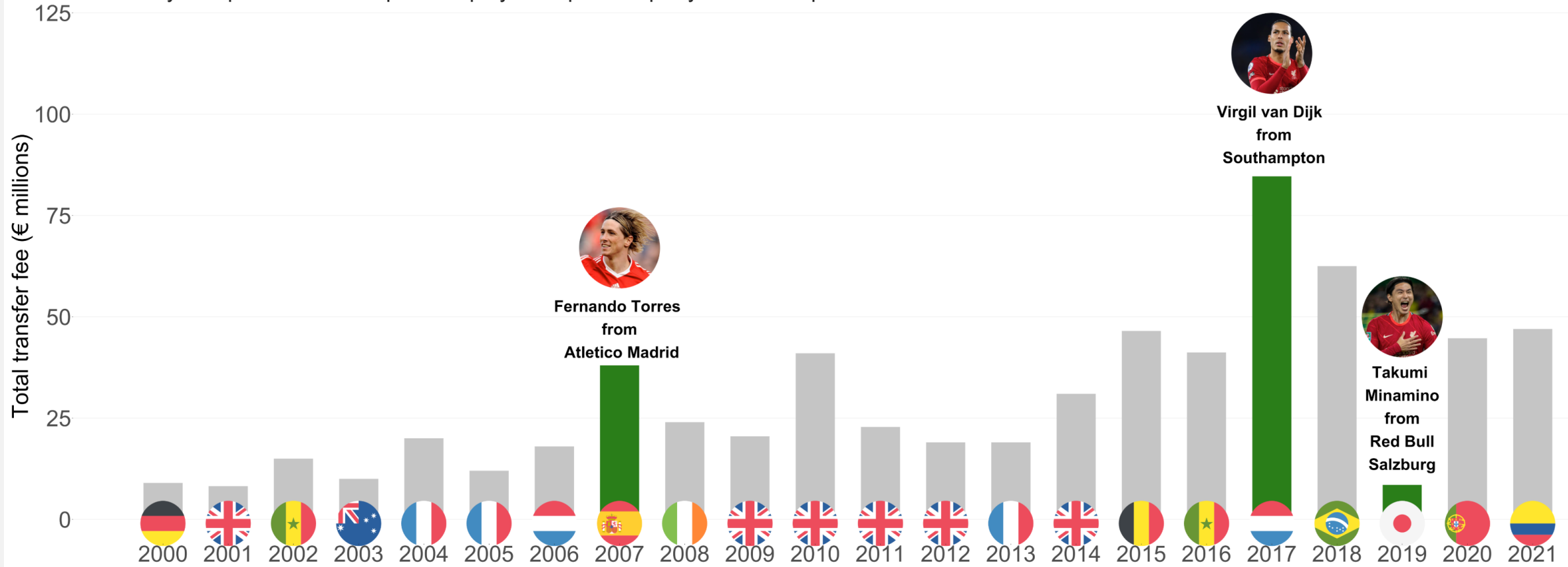


# To be competitive in football, purchasing the right talent is crucial



## Liverpool was willing to spend considerable funds to acquire one of the best defenders in the world in 2017

Nationality and price of most expensive player acquisition per year of Liverpool FC



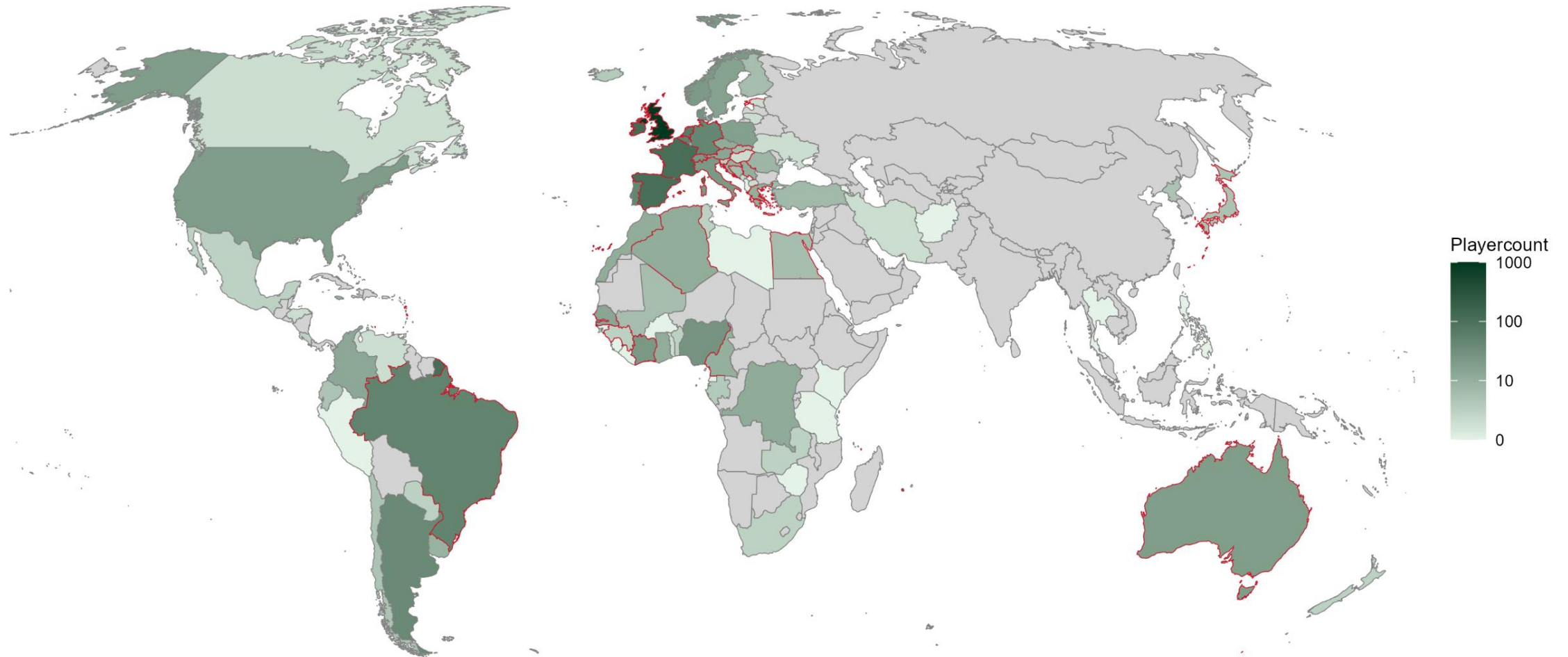


# So where do the top players come from?



**Liverpool** historically sourced their players from the same areas as the rest of the Premier League

Representation of nationalities in the Premier League since 2015

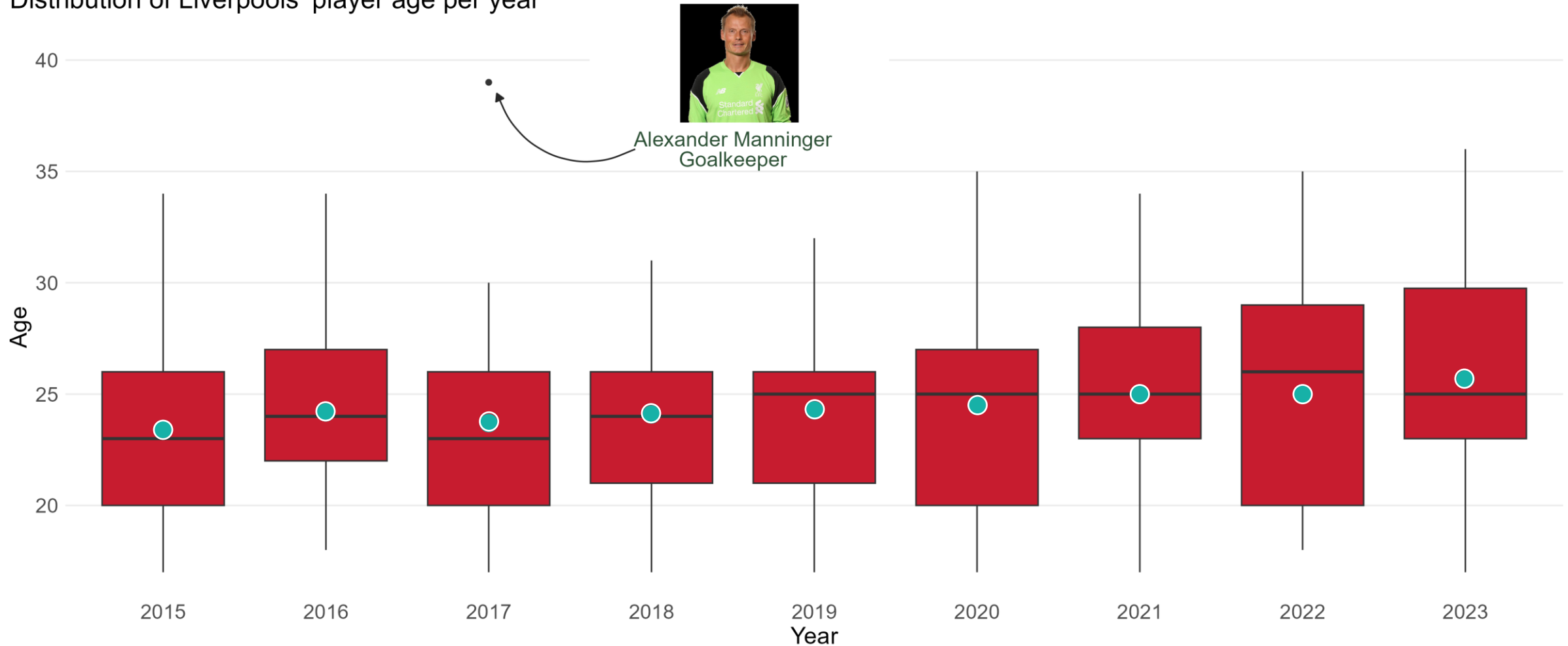


# For LFC to stay aggressive, young energetic players are important



## The **average age** of Liverpool players has increased over time

Distribution of Liverpool's player age per year

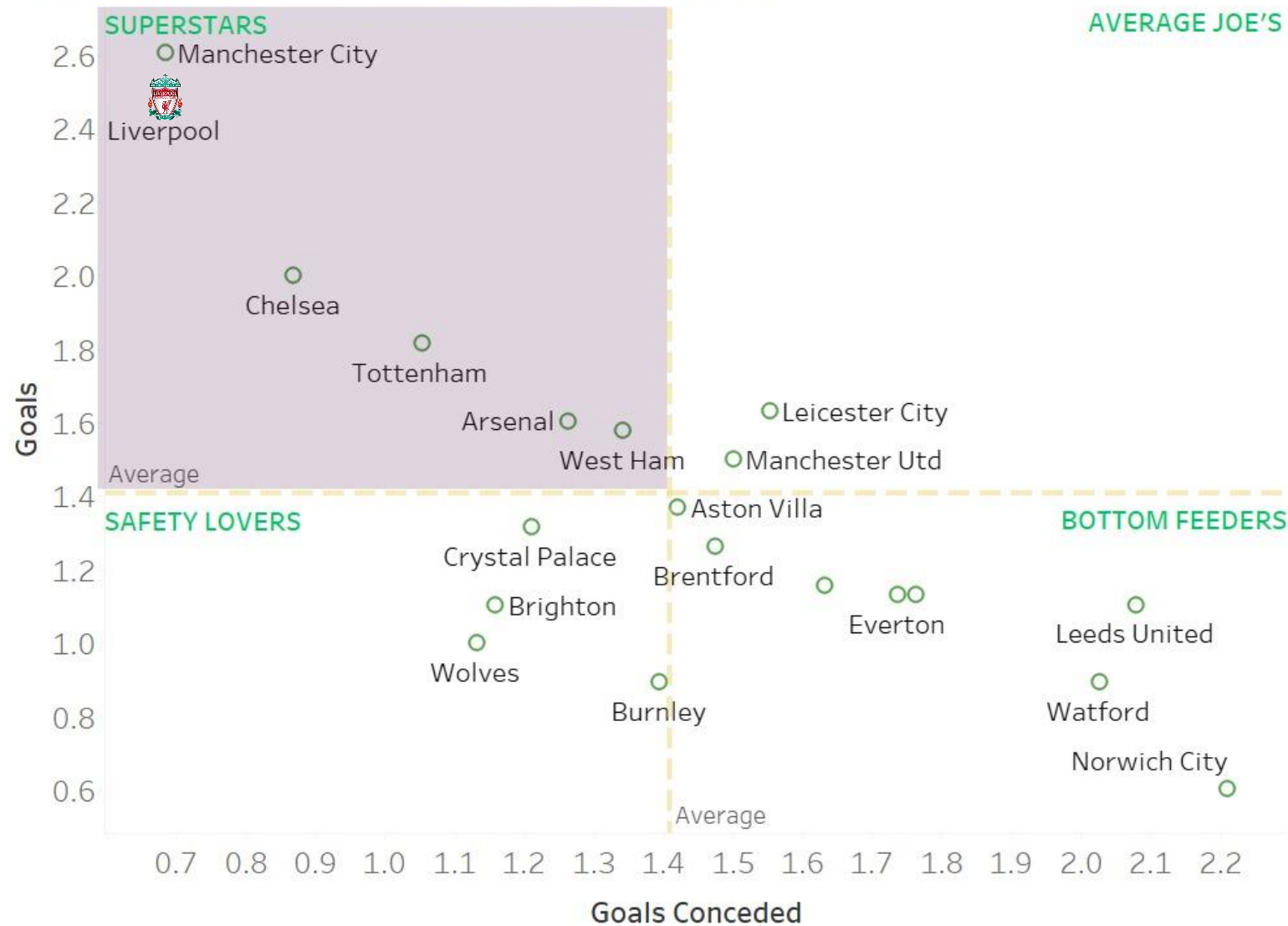


# Last season was a great year for Liverpool in the Premier League



## Liverpool ranked top in scoring and defending last season

Squads' Goals VS Goals Conceded Per 90 Mins 2021-22



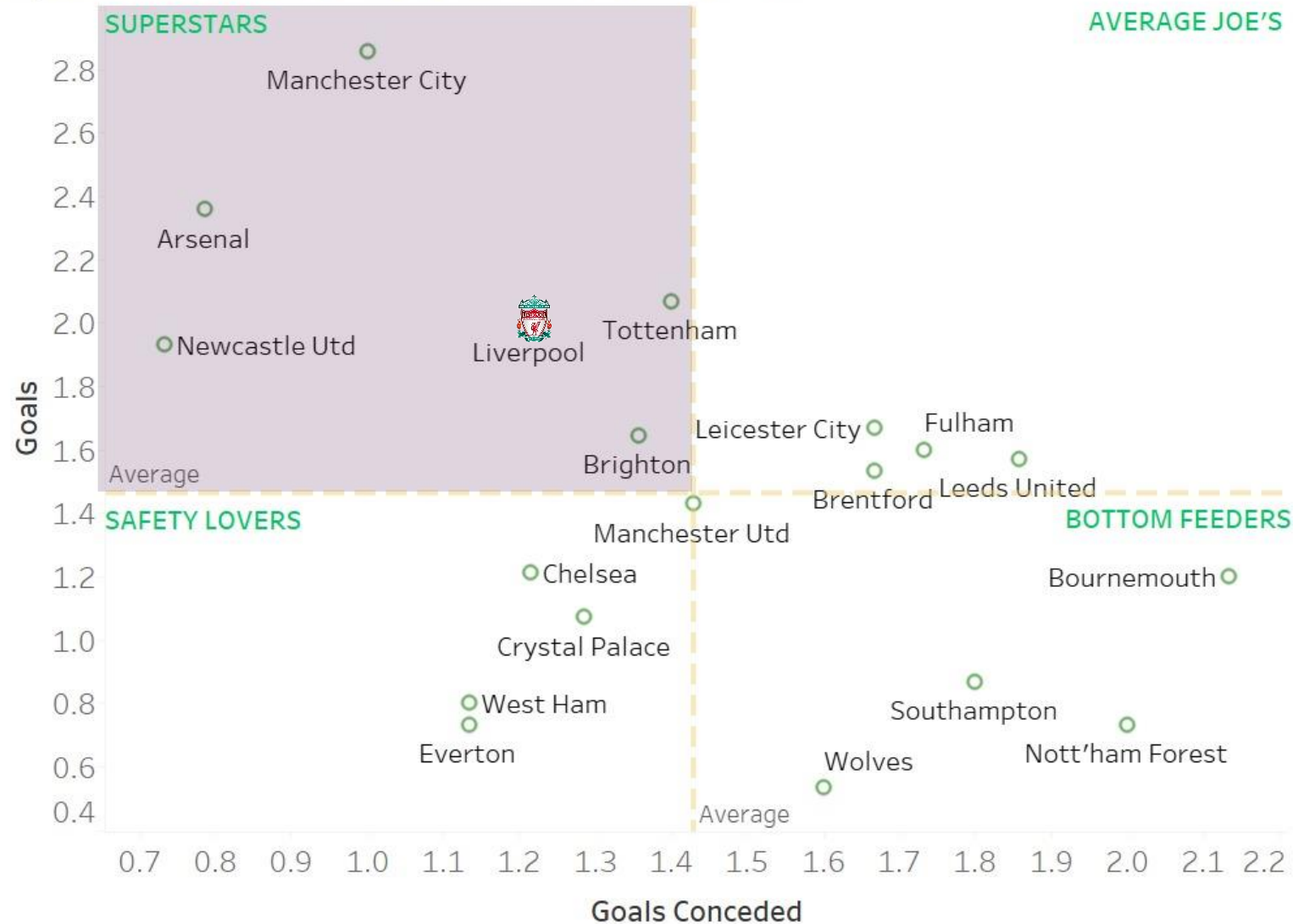


# This year we are seeing some unfortunate changes



## Liverpool did worse this season at both goals and defending

Squads' Goals VS Goals Conceded Per 90 Mins 2022-23



## Liverpool is good at progressing the ball to opponent's box and creating chances

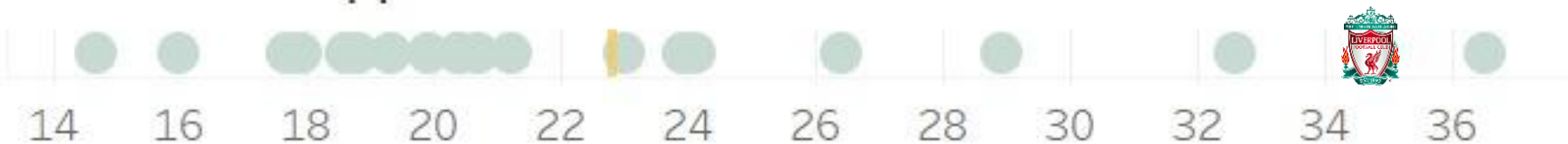
Number of Shots Made Per 90 Mins



Expected Assists Generated Per 90 Mins



Touches in Opponent's Box Per 90 Mins



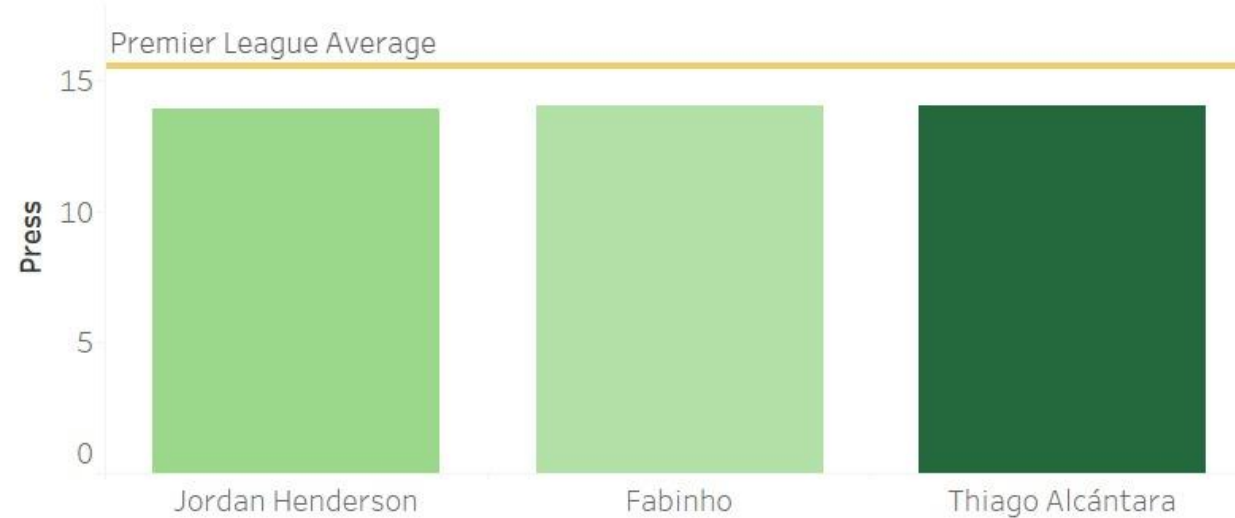
# Similar to foosball, the midfield is key in defending attacks

## Most Liverpool midfield players' defending is below league average and worse than last season

Press Given Per 90 Min 2022-23

% Change Compared to Last Season

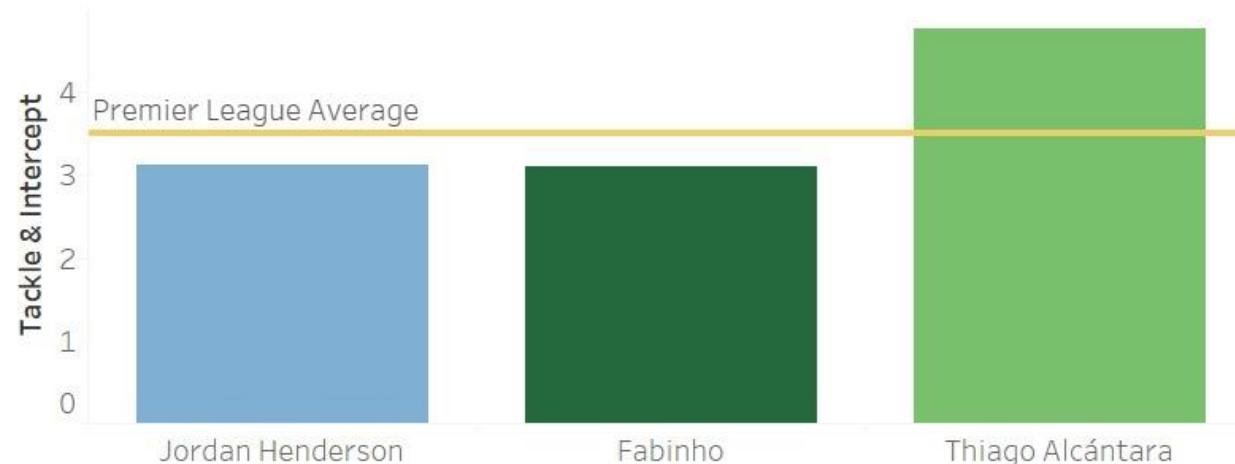
-25.53% -13.04%



## Tackles and Intercept Per 90 Min 2022-23

% Change Compared to Last Season

-29.55% 13.00%



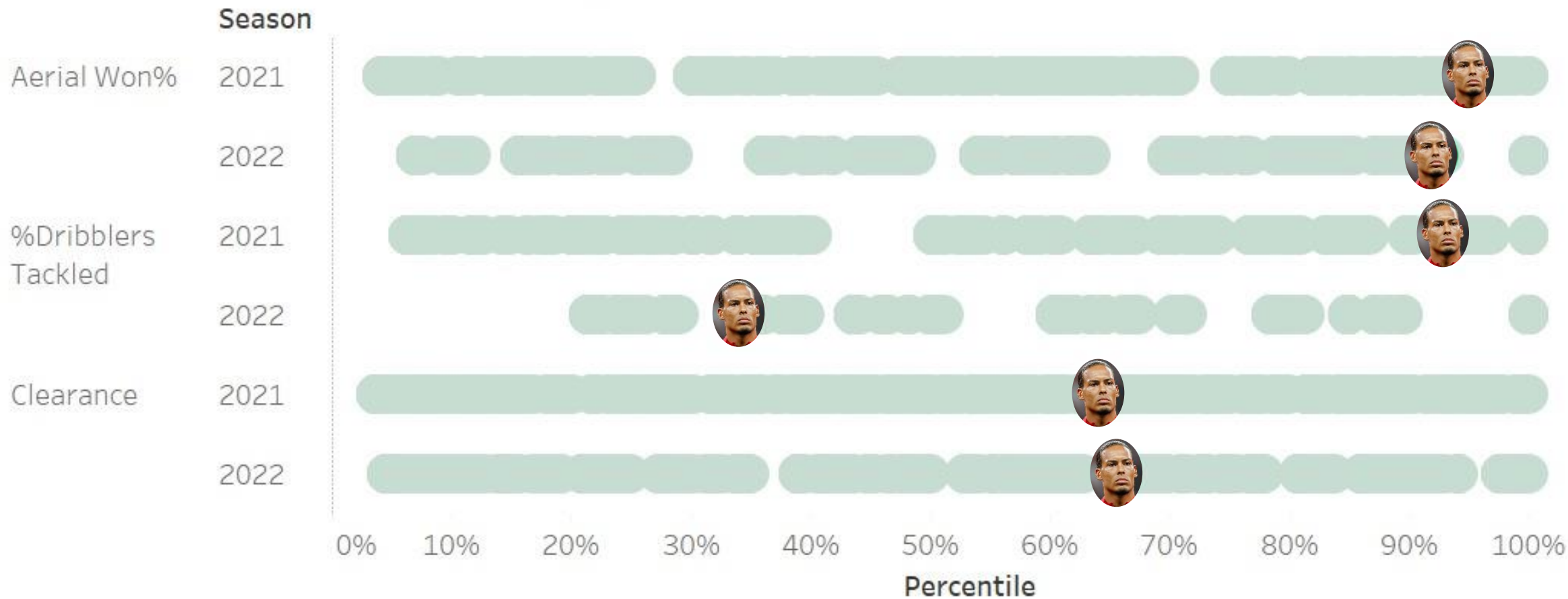


Even individual players not performing can affect the team at large



Van Dijk is terrible at 1on1 defending this season

Percentile Rank Within Premier League Defenders

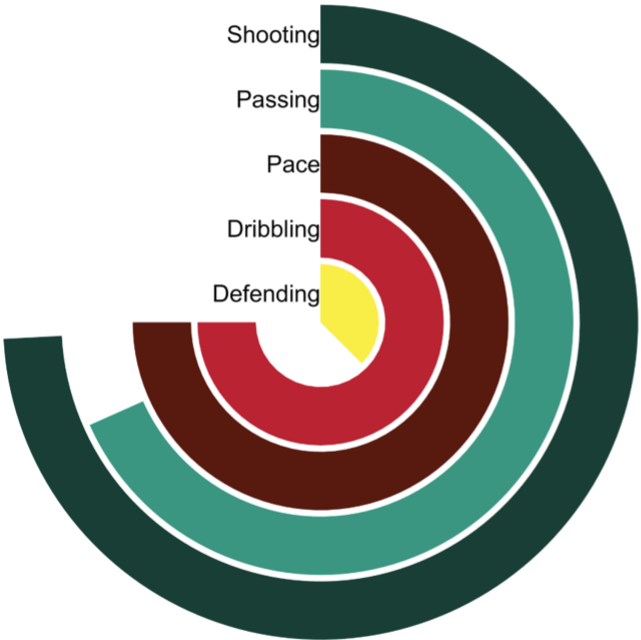


# With high-profile contract expiring, competitors will not stand idle

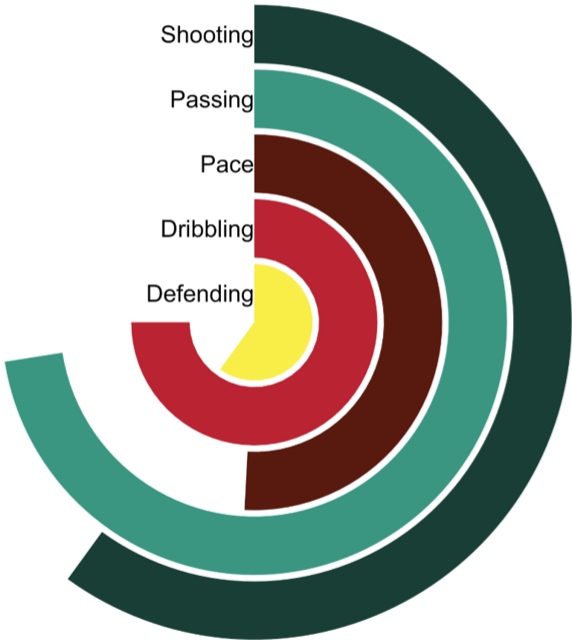
## In the next 3 years, Liverpool's contracts with some of their best players will end

Radial bar chart of selected Liverpool players' strengths according to FIFA 2023

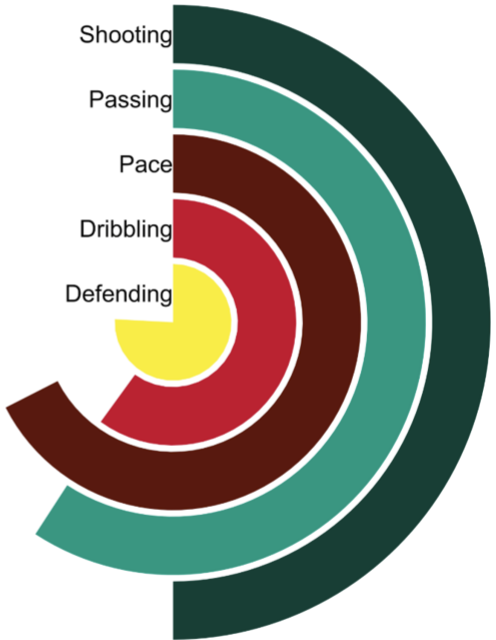
Mohamed Salah  
Leaves 2023



Thiago Alcântara  
Leaves 2024

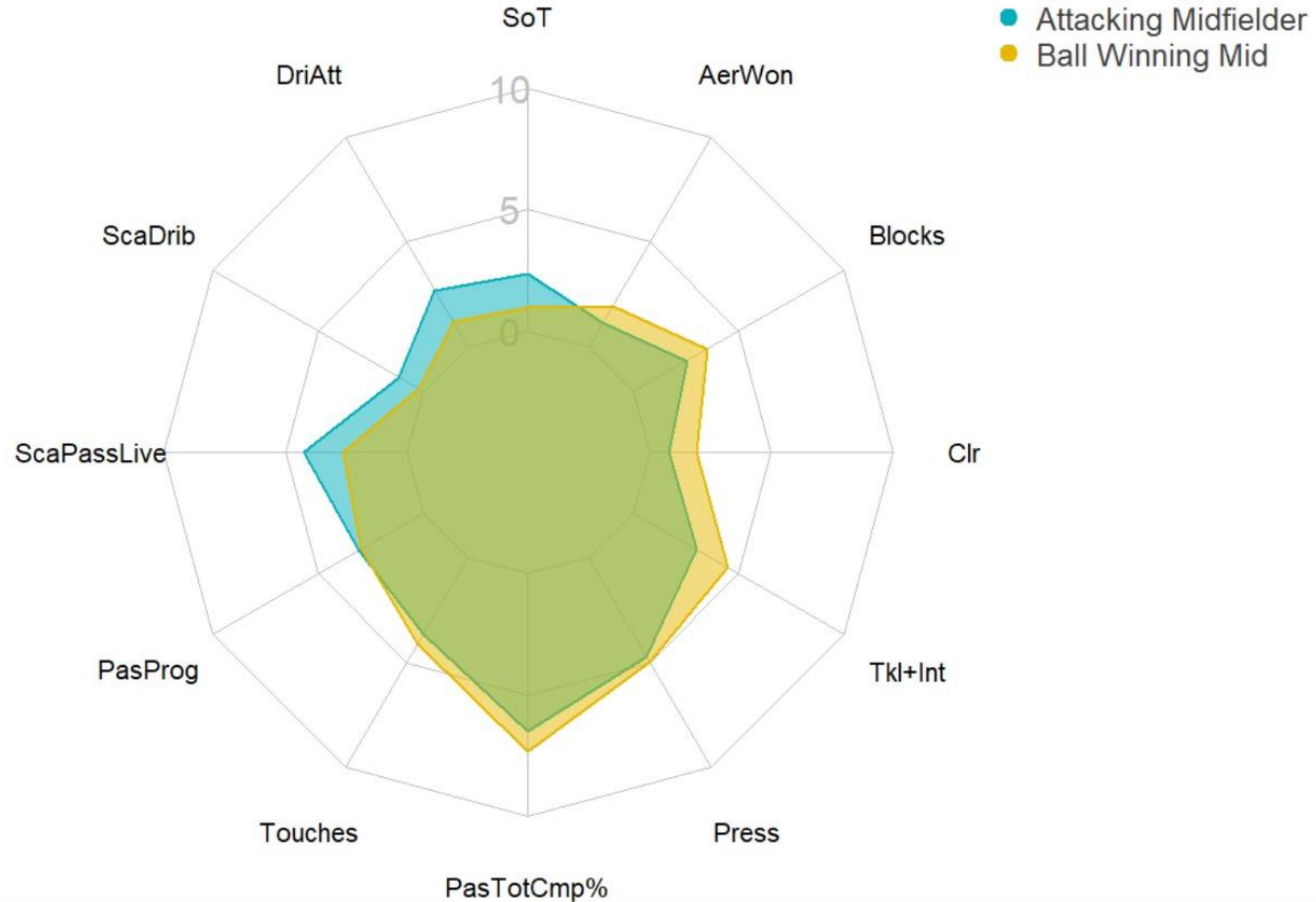


Virgil van Dijk  
Leaves 2025



# Clustering tells us what positions are most effective at which task

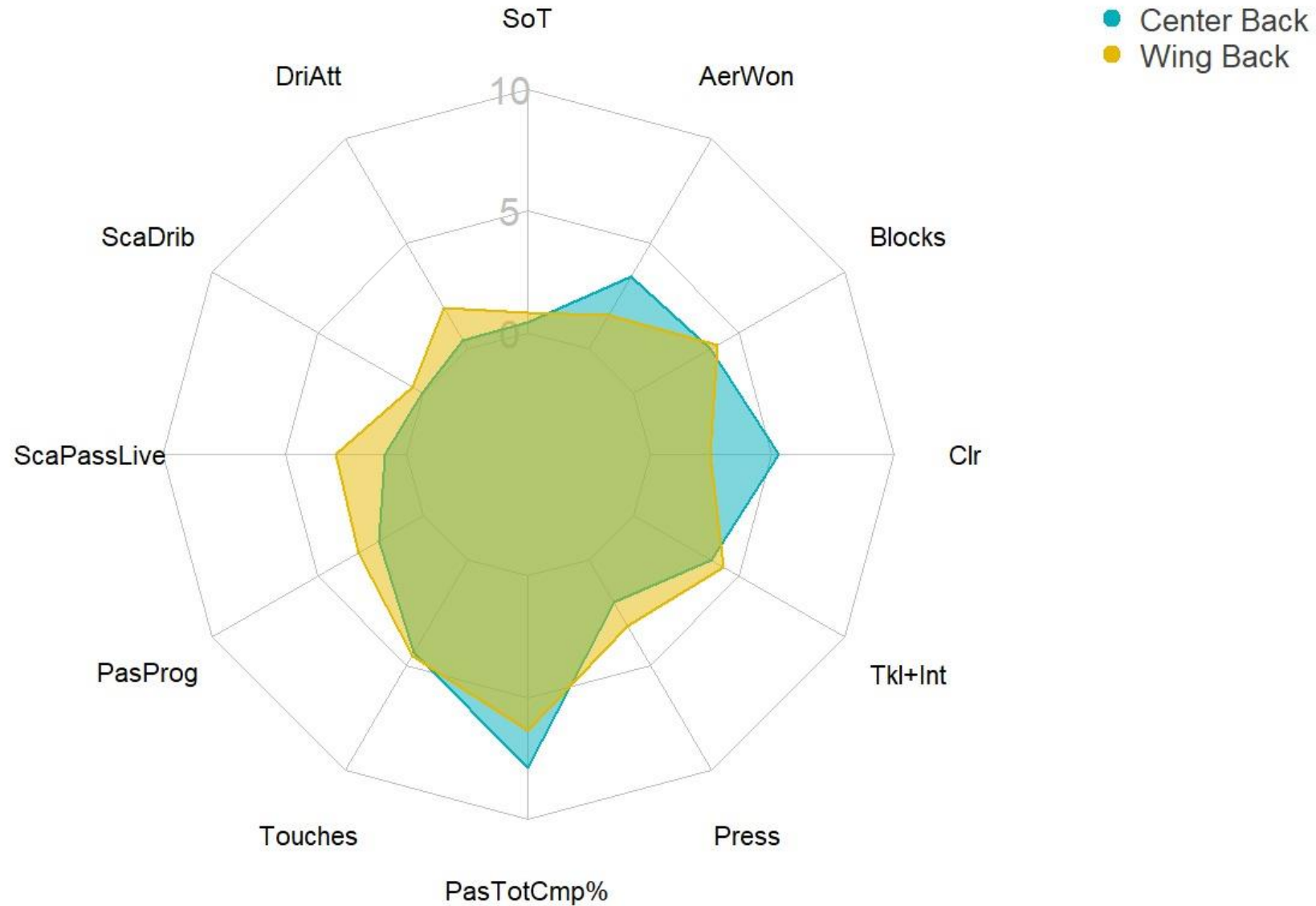
## Ball Winning Mid is better at stopping opponent's attack





# Clustering tells us what positions are most effective at which task

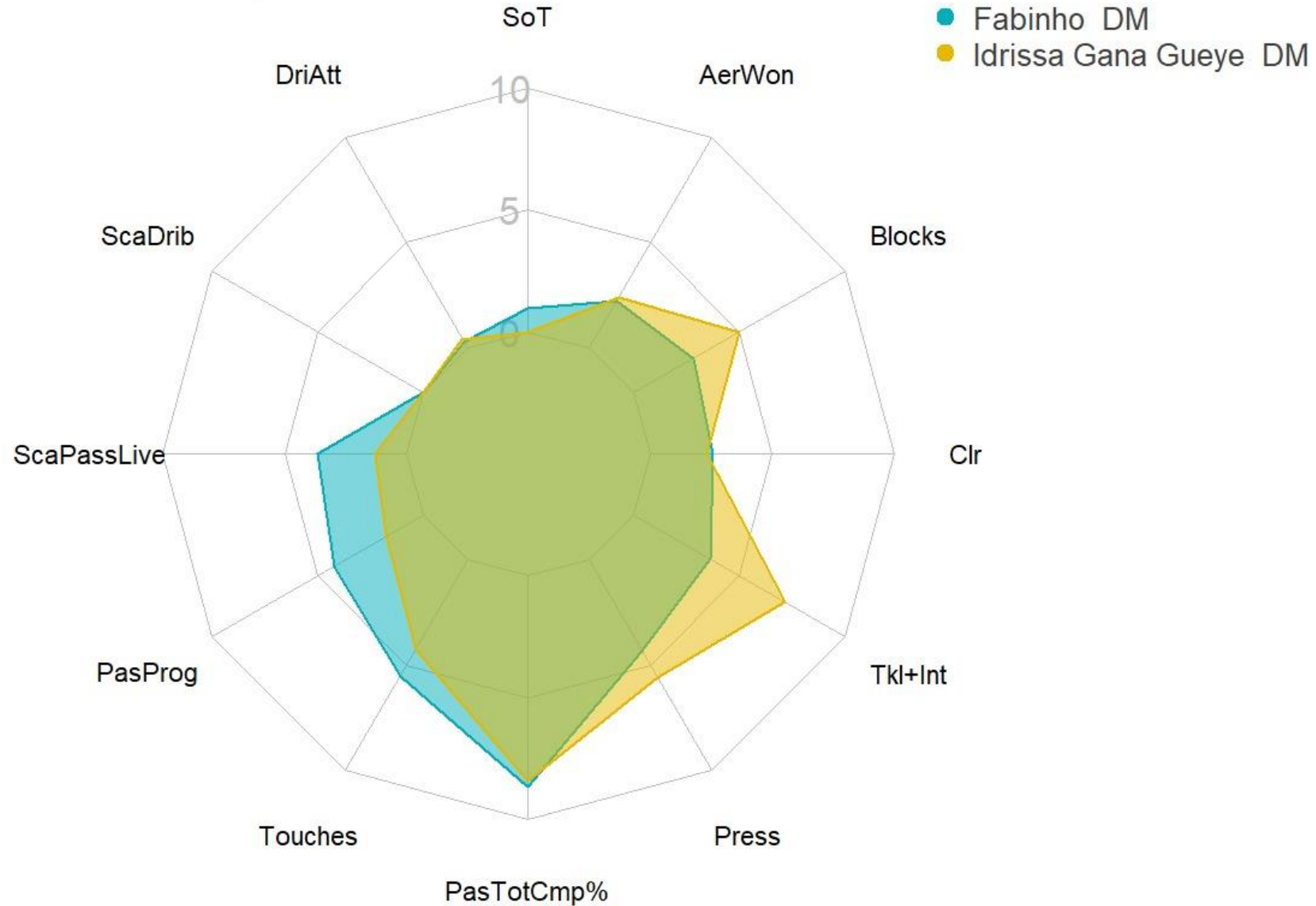
## Center Back is the core of defending compared to wing back



# In the Premier League, we highlight potential acquisition targets



## Gueye is doing better at winning the ball than Fabinho

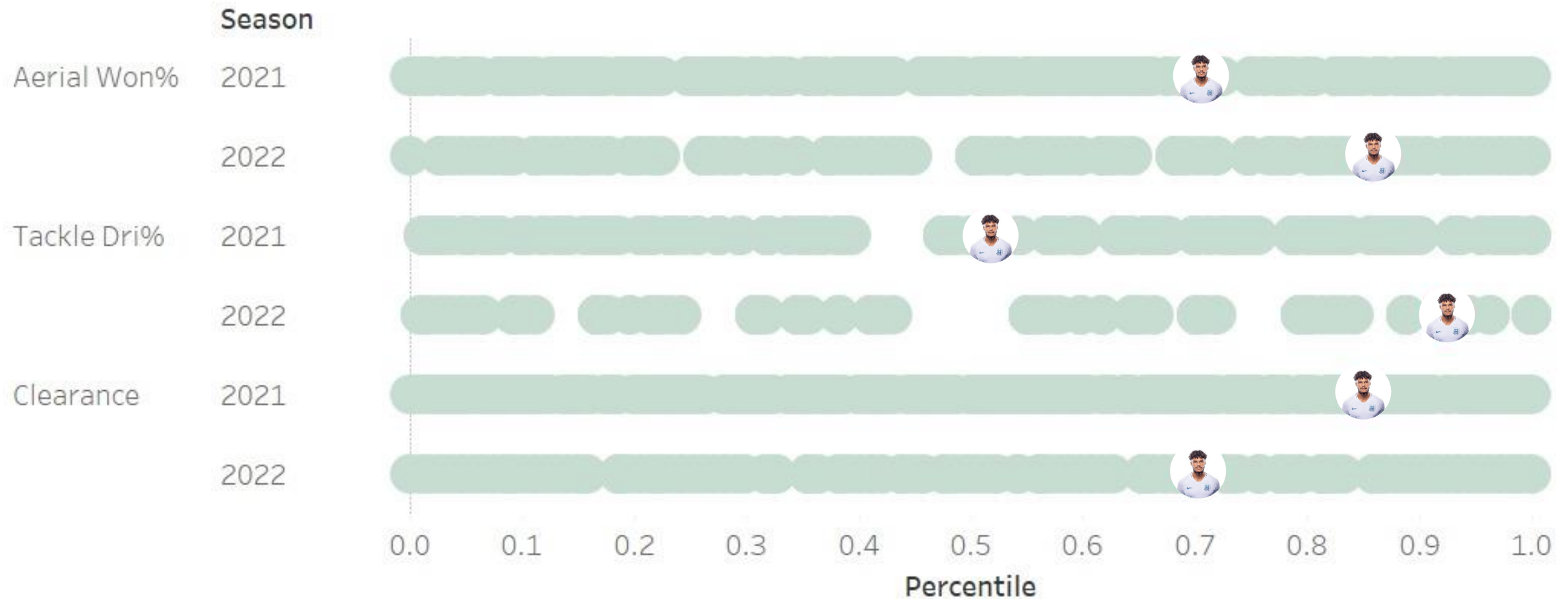


# There is also a rather promising defender to consider



## Mings' performance is better this season, especially 1on1 seccessful rate

Percentile Rank Within PL Defenders







**THANK  
YOU**

