

# Premier League – 2025/2026 Season

Defensive Midfielder Offensive Activity Analyses

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Throughout the first 5 PL games

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# 1st part – Inclusion criteria

For the analysis, as I wanted to select and analyze the same profile of players, I needed to make a selection based on several criteria :

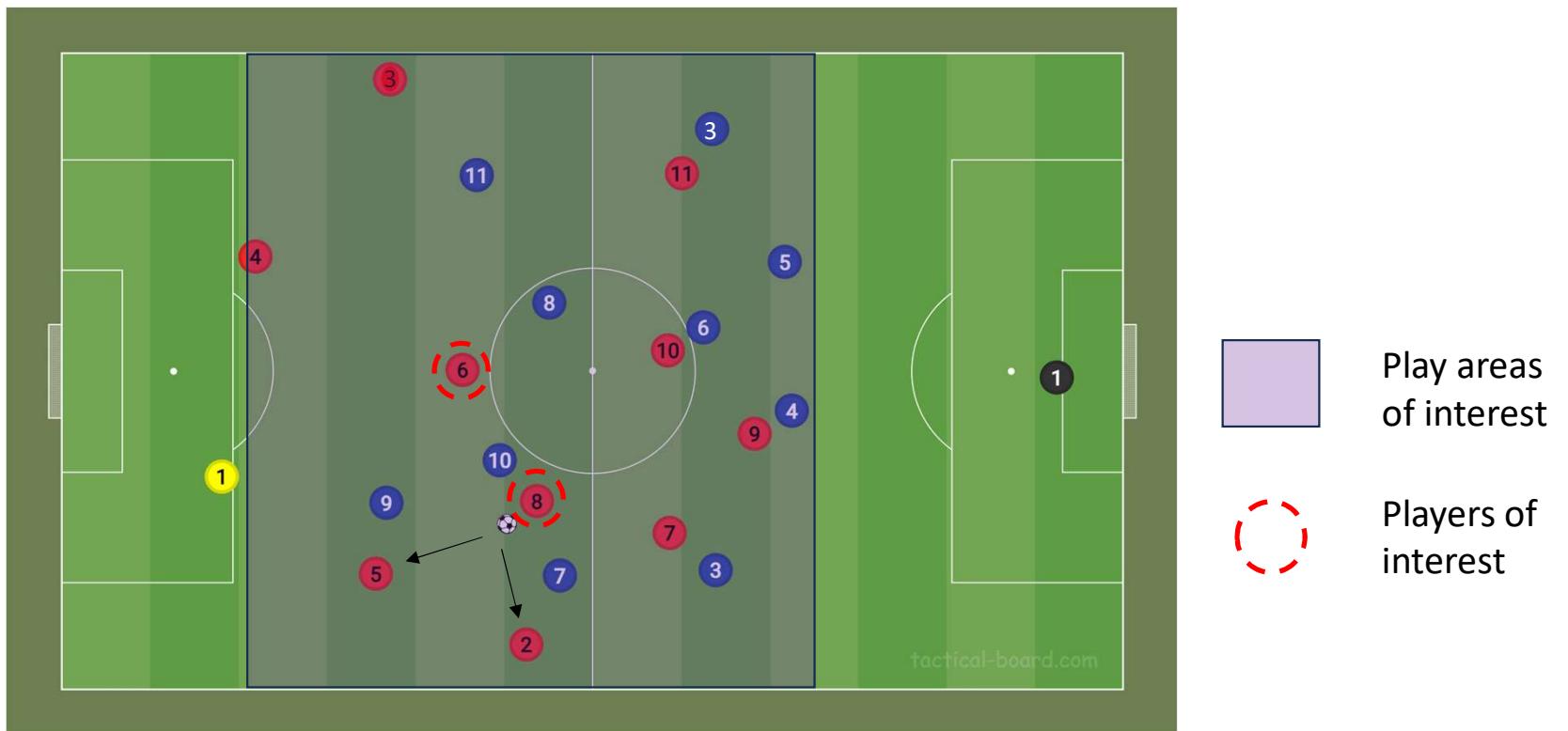
Players' most common position → Defensive Midfielder or Centre Midfielder

Team's most common formation → Backline of 4

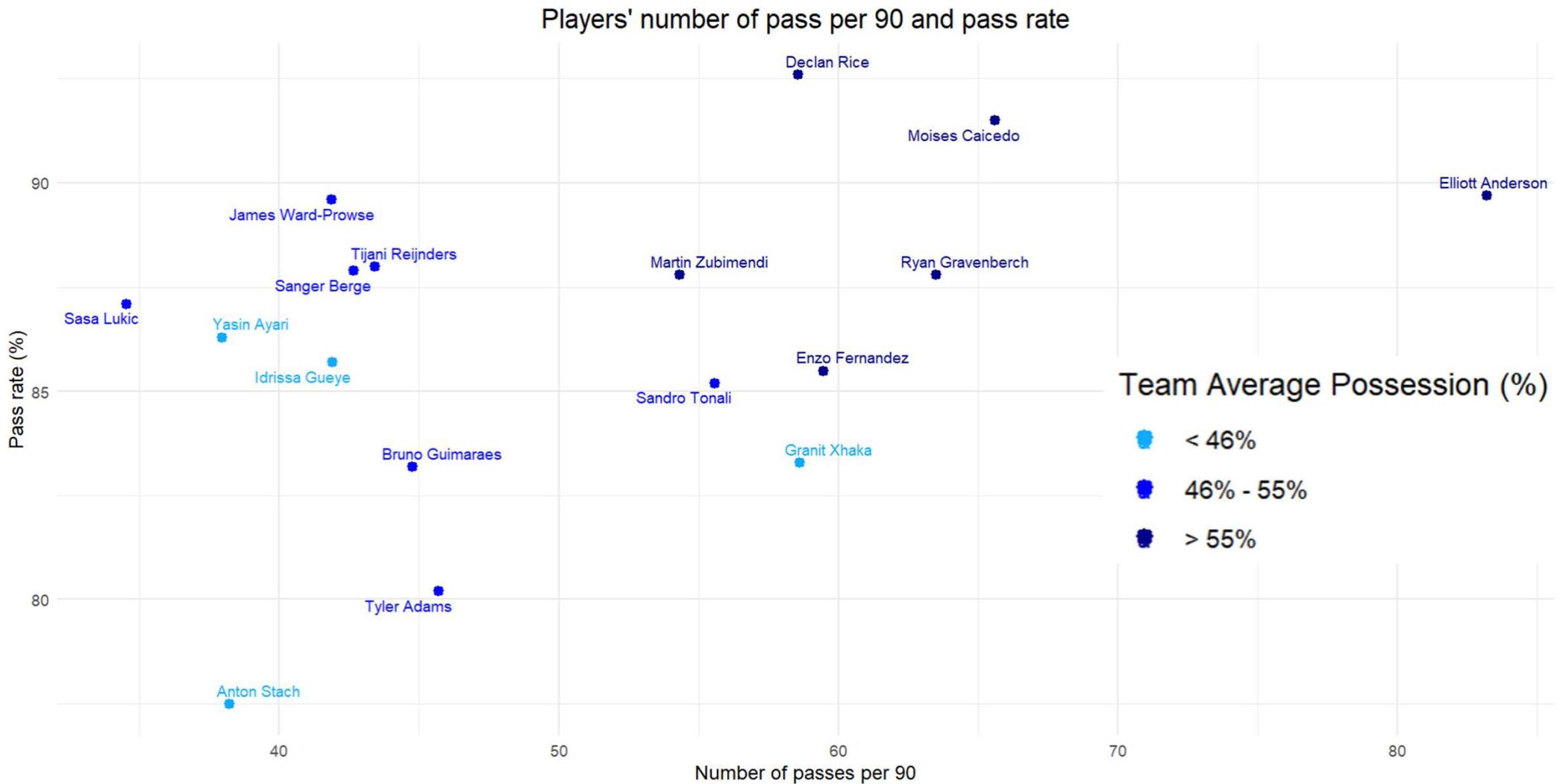
Minimum of minutes played → < 360min out of 450 minutes since the start of the season (5 games)

The objective is to analyze the offensive activity of starters who have a pivot role in a deep position.

# 2nd part - Keep possession and move forward with the ball

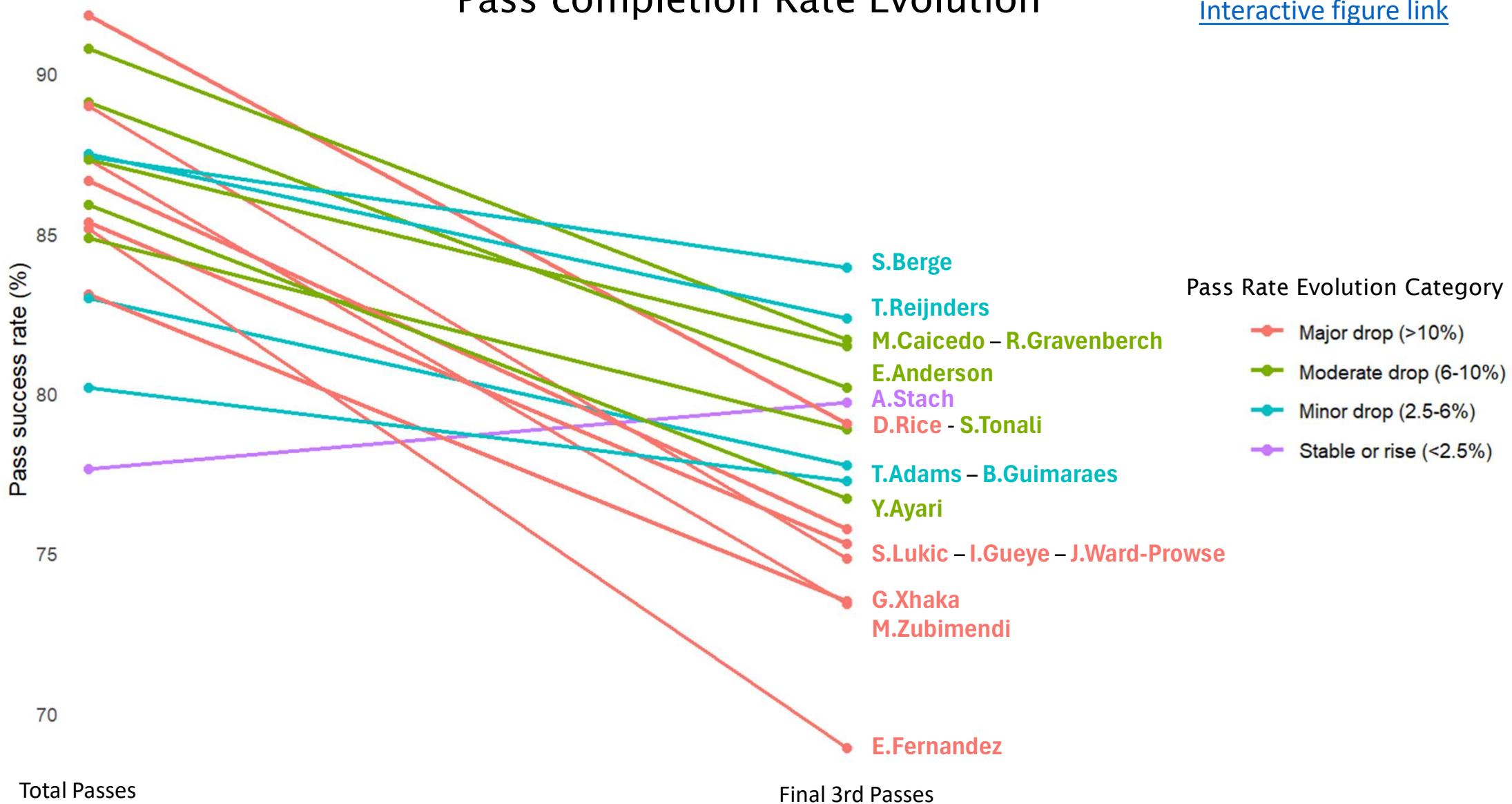


# 1- Passes Activity

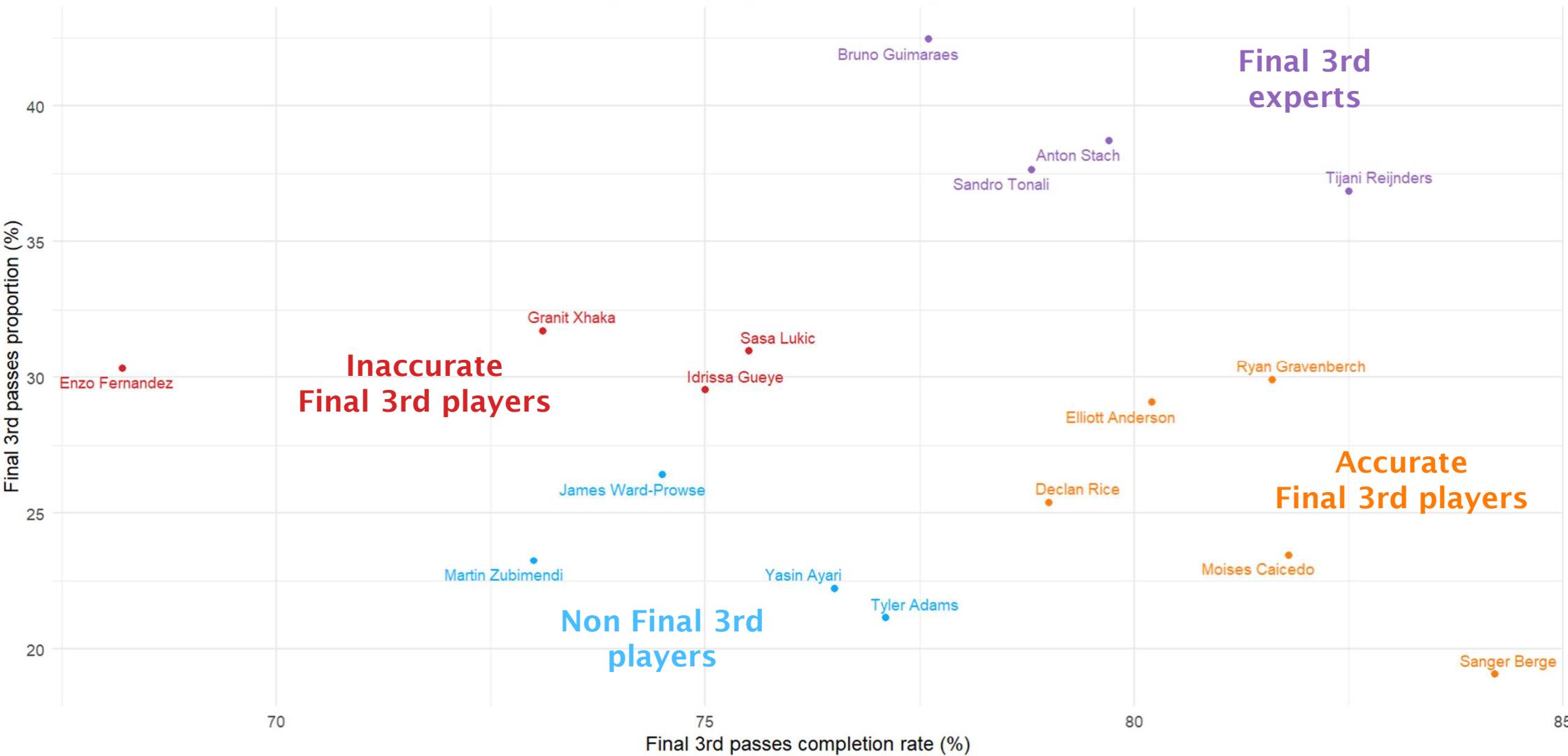


# Pass completion Rate Evolution

[Interactive figure link](#)

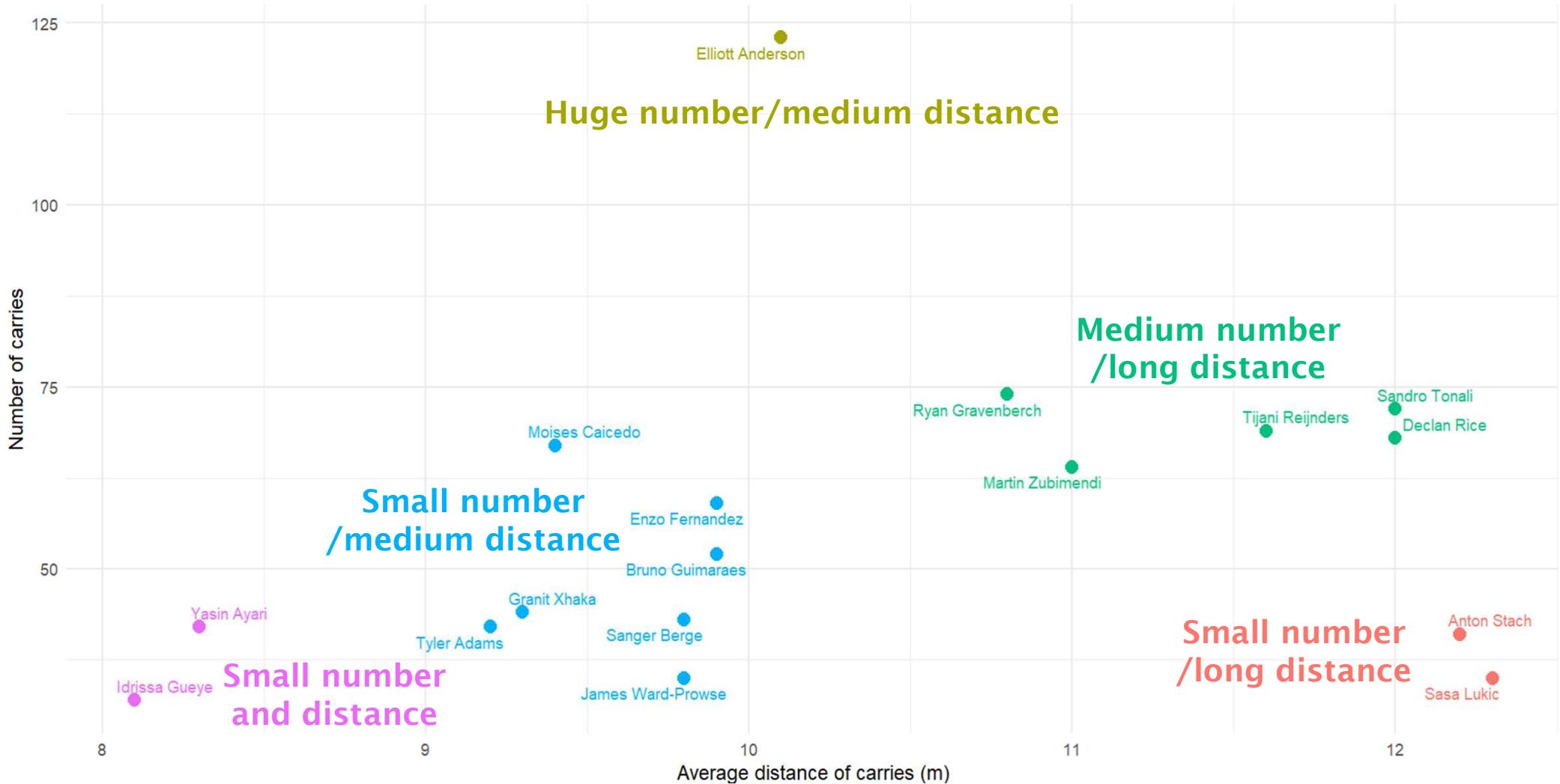


### Players' final 3rd passes proportion and completion rate comparison

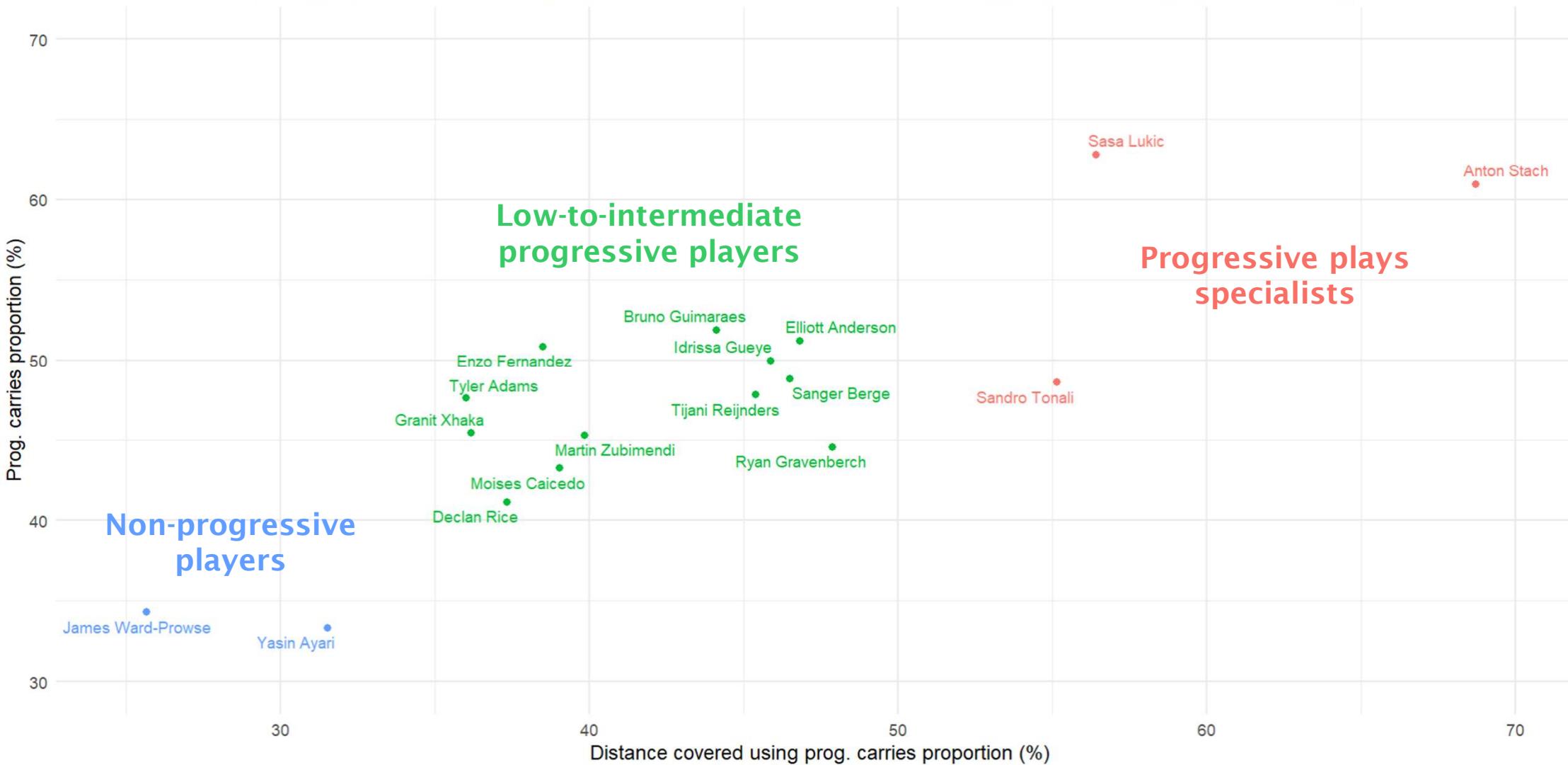


# 2- Carries Activity

Carries number VS average distance

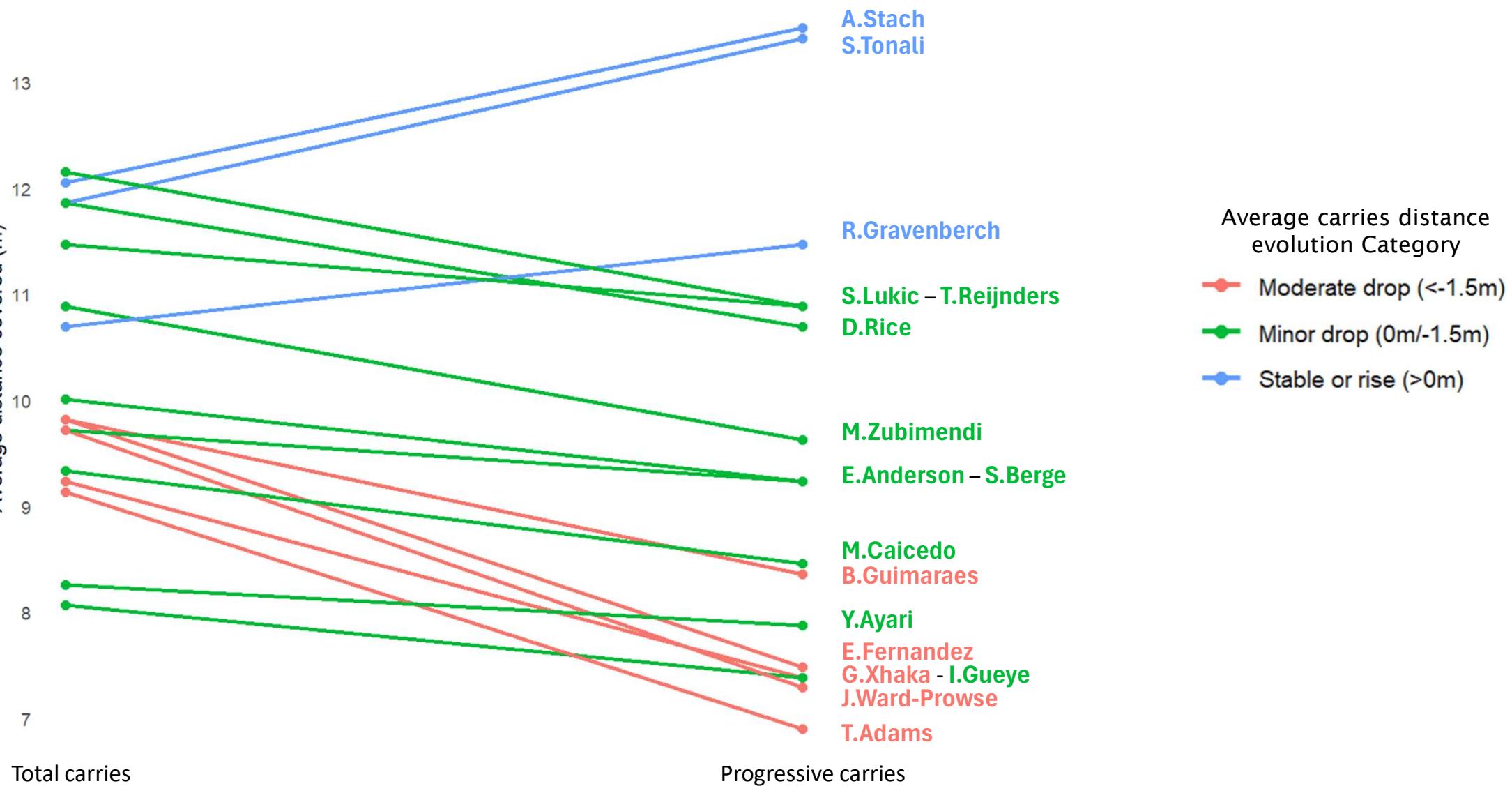


Players' progressive carries proportion and distance covered using prog. carries proportion comparison

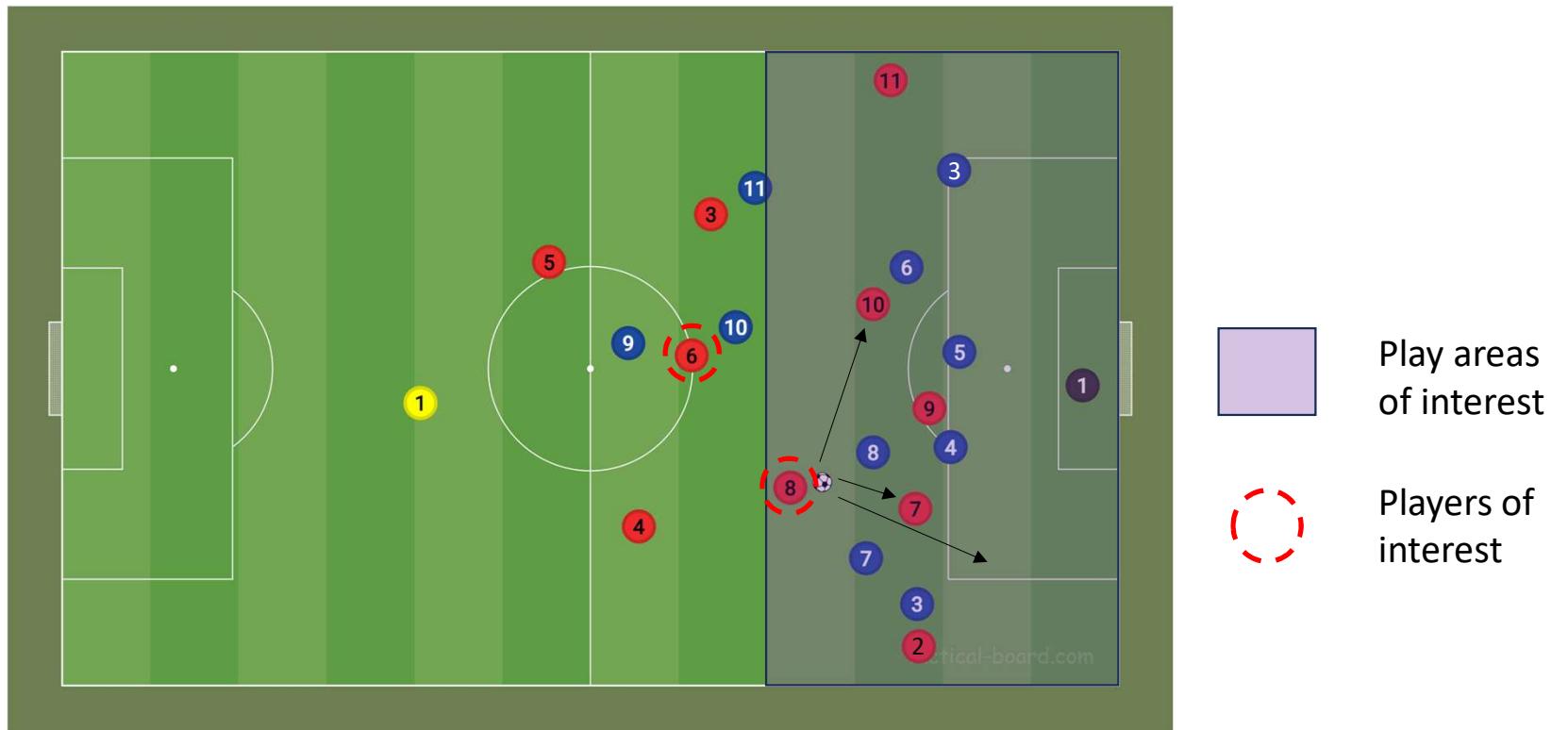


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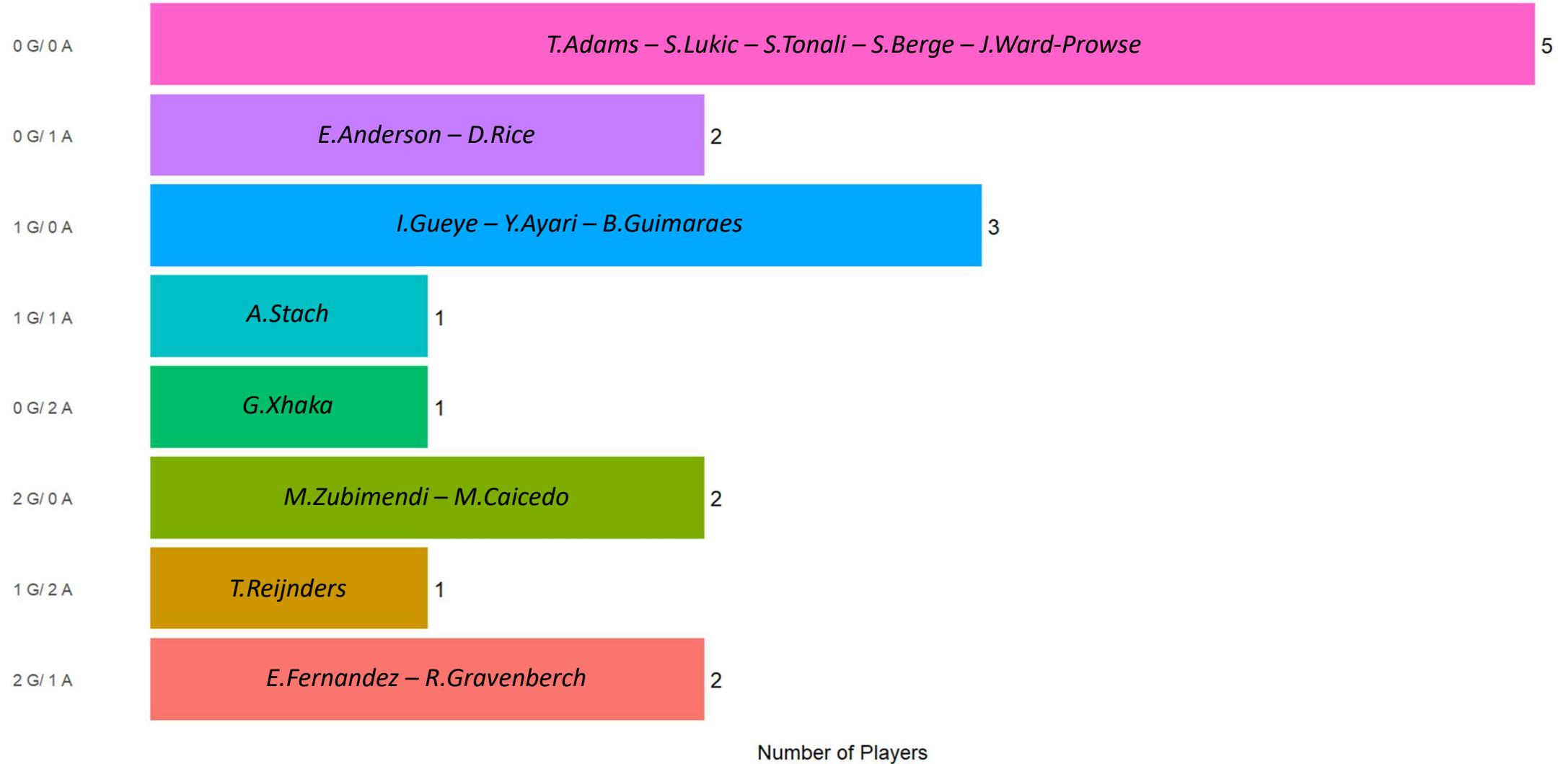
## Average carries distance Evolution

[Interactive figure link](#)


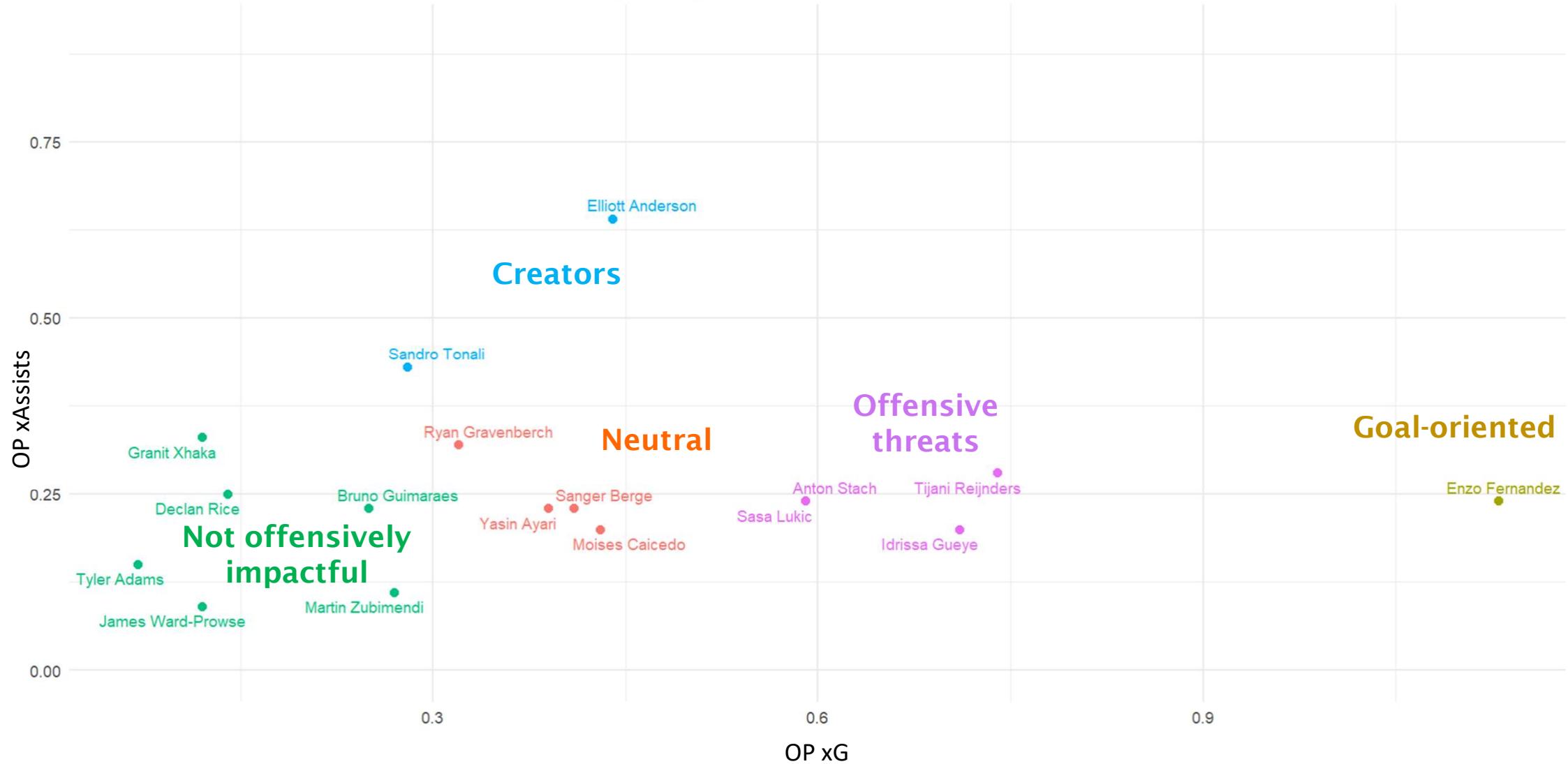
# 3rd Part - Unbalance the opponent and finish with a scoring opportunity



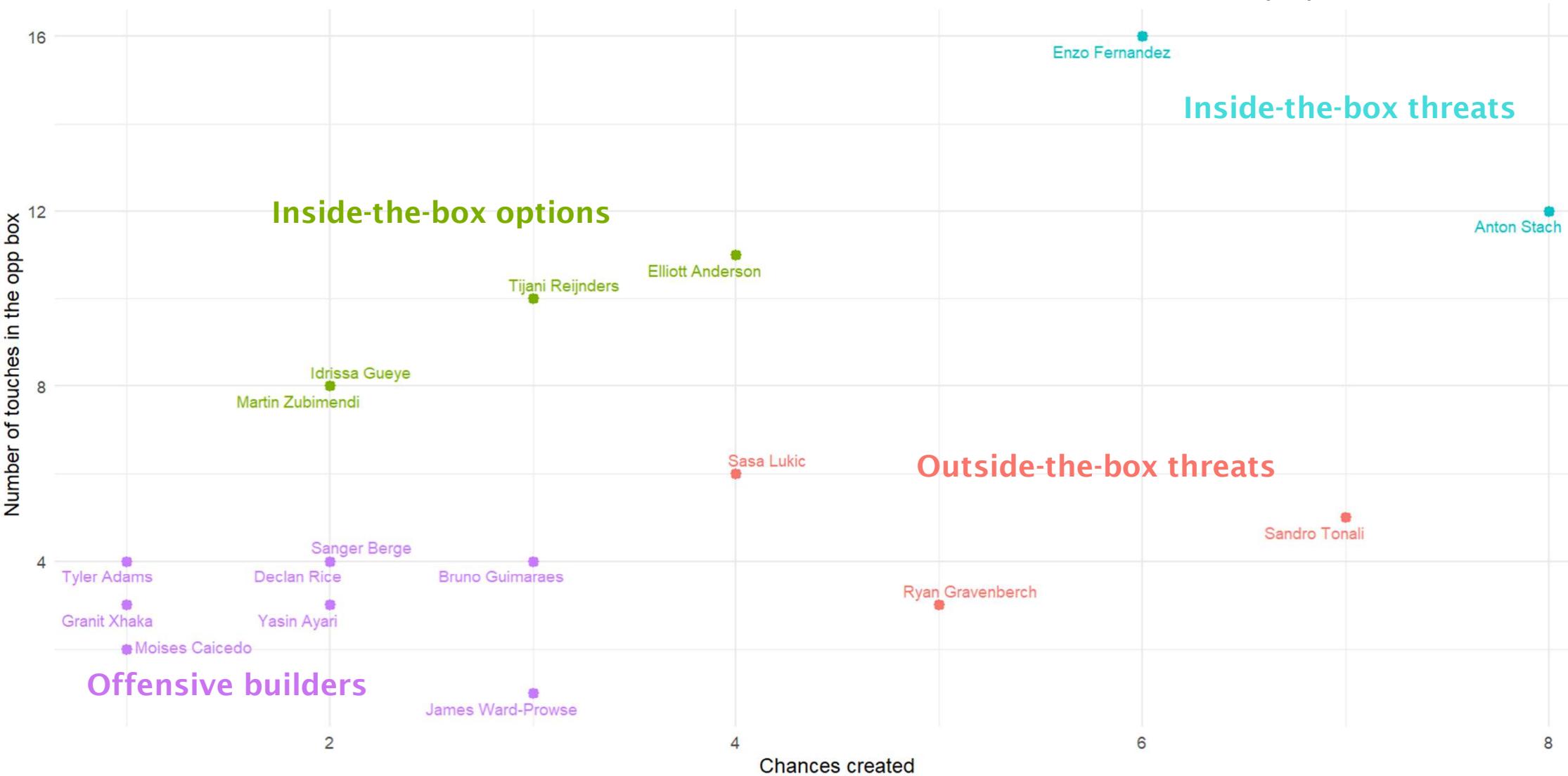
# 1- Goals' contributions



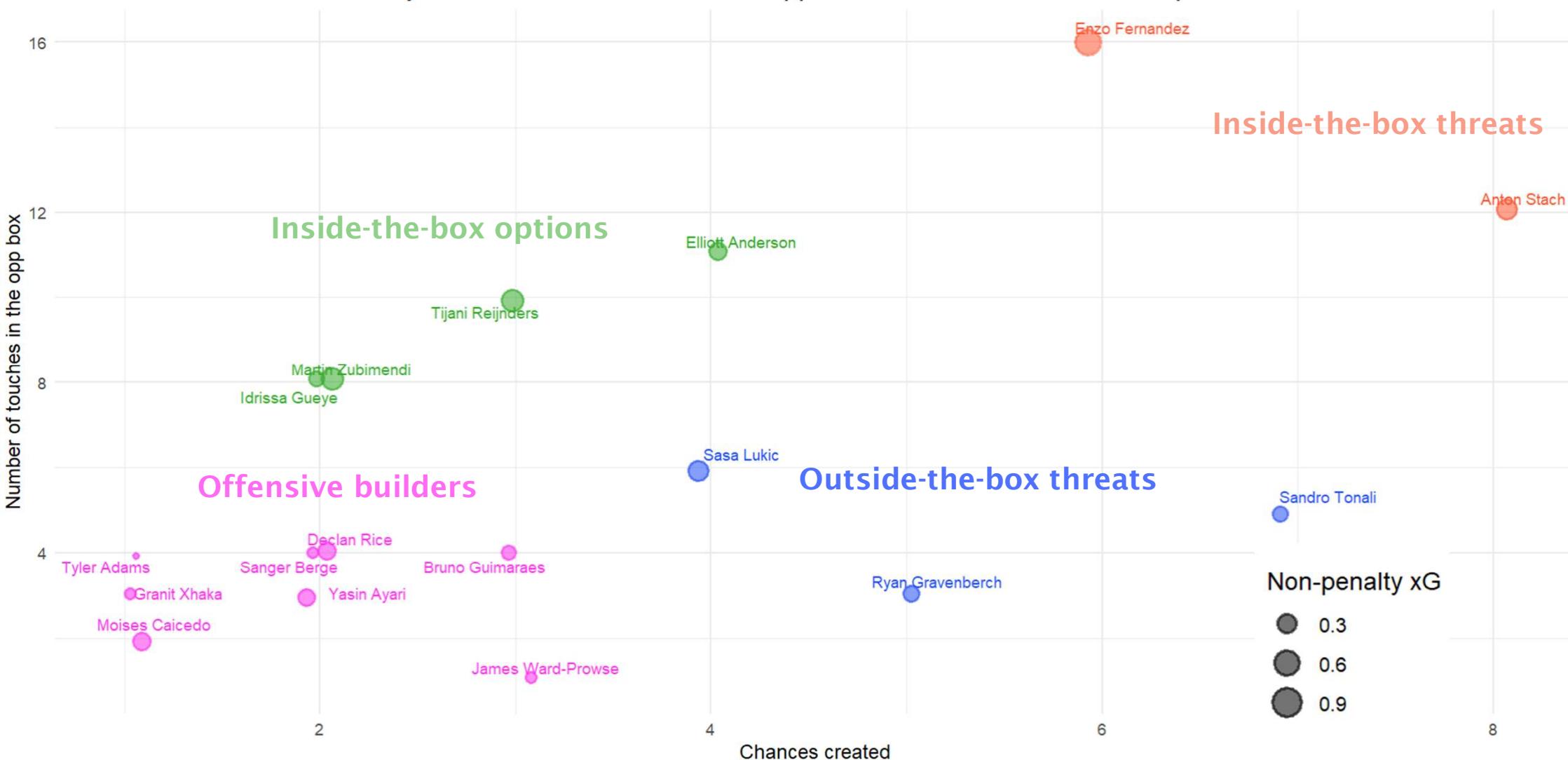
## 2- Openplay xG and xA



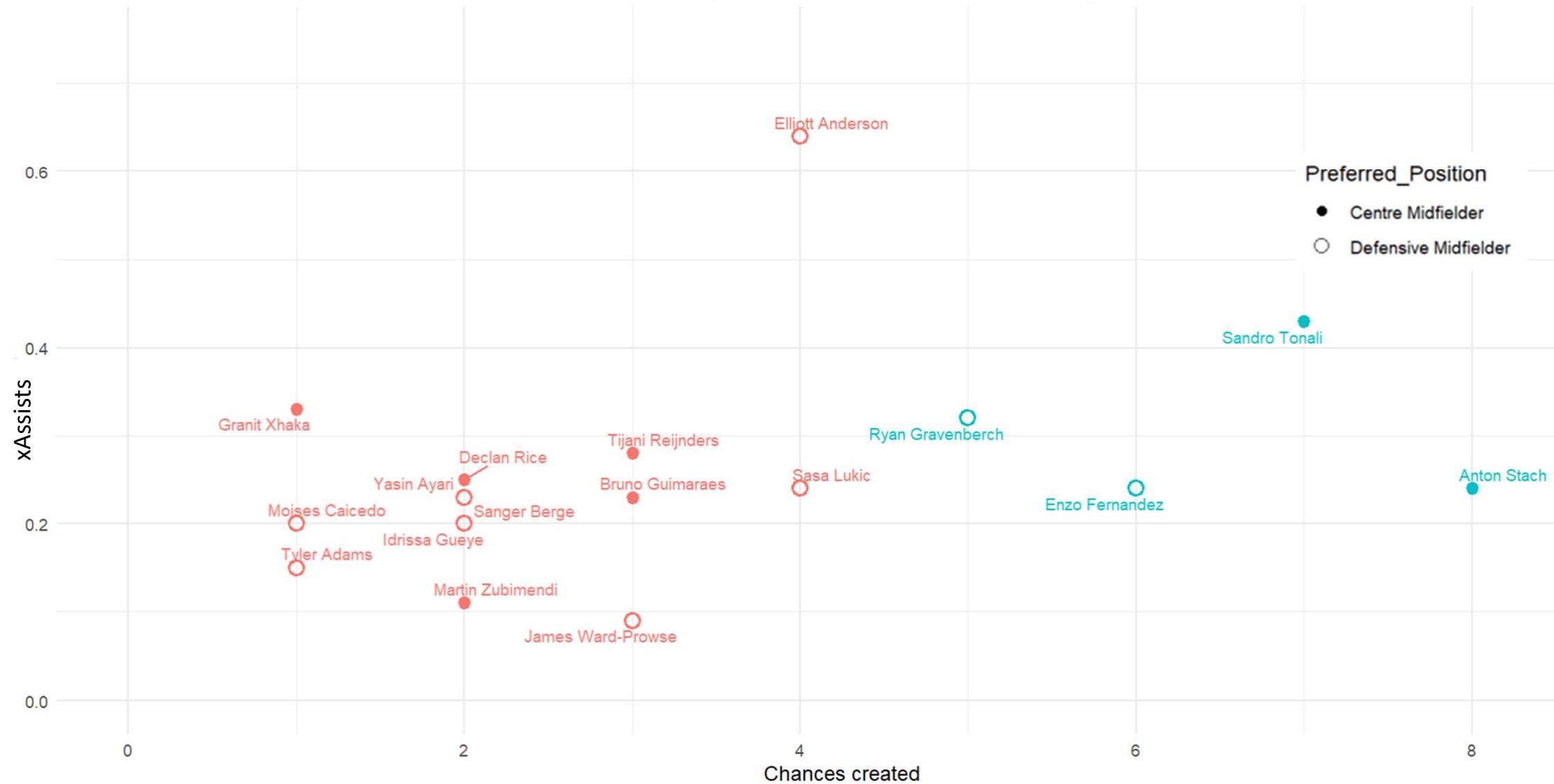
# 3- Chances created and touches in opp. box



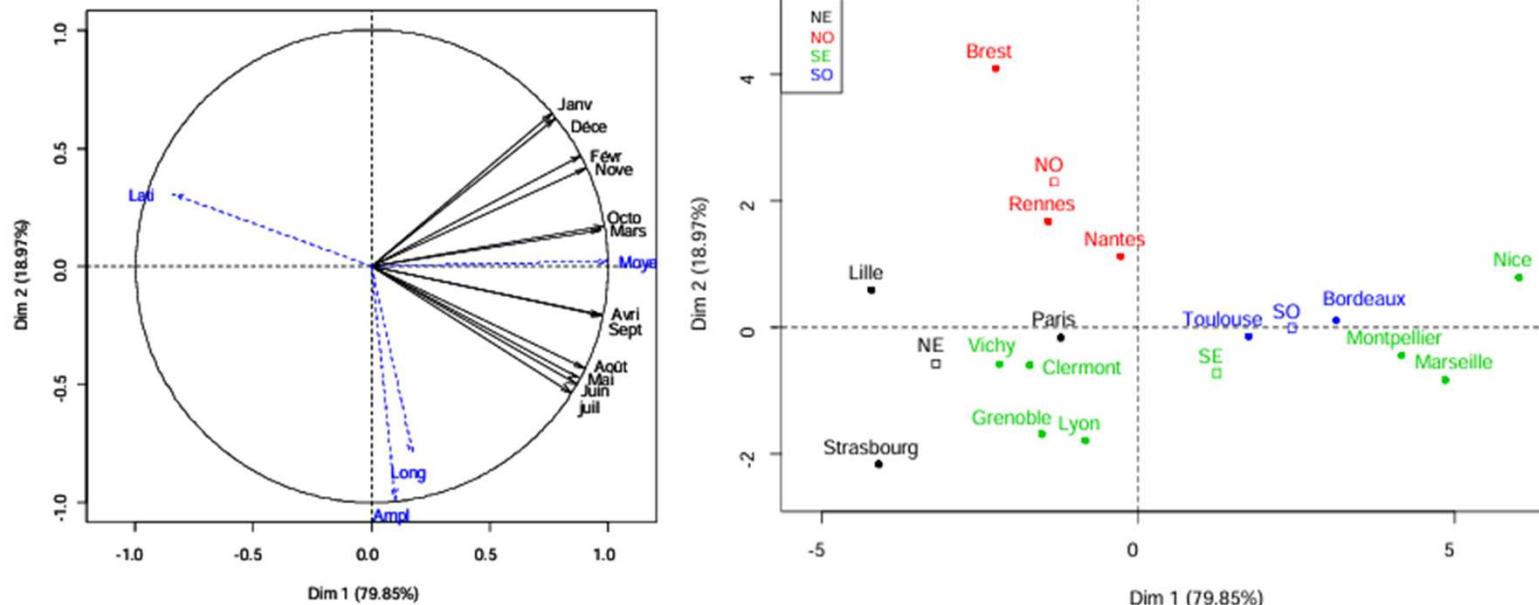
Players' number of touches in the opp box and chances created comparison



## Players' openplay xA and chances created comparison

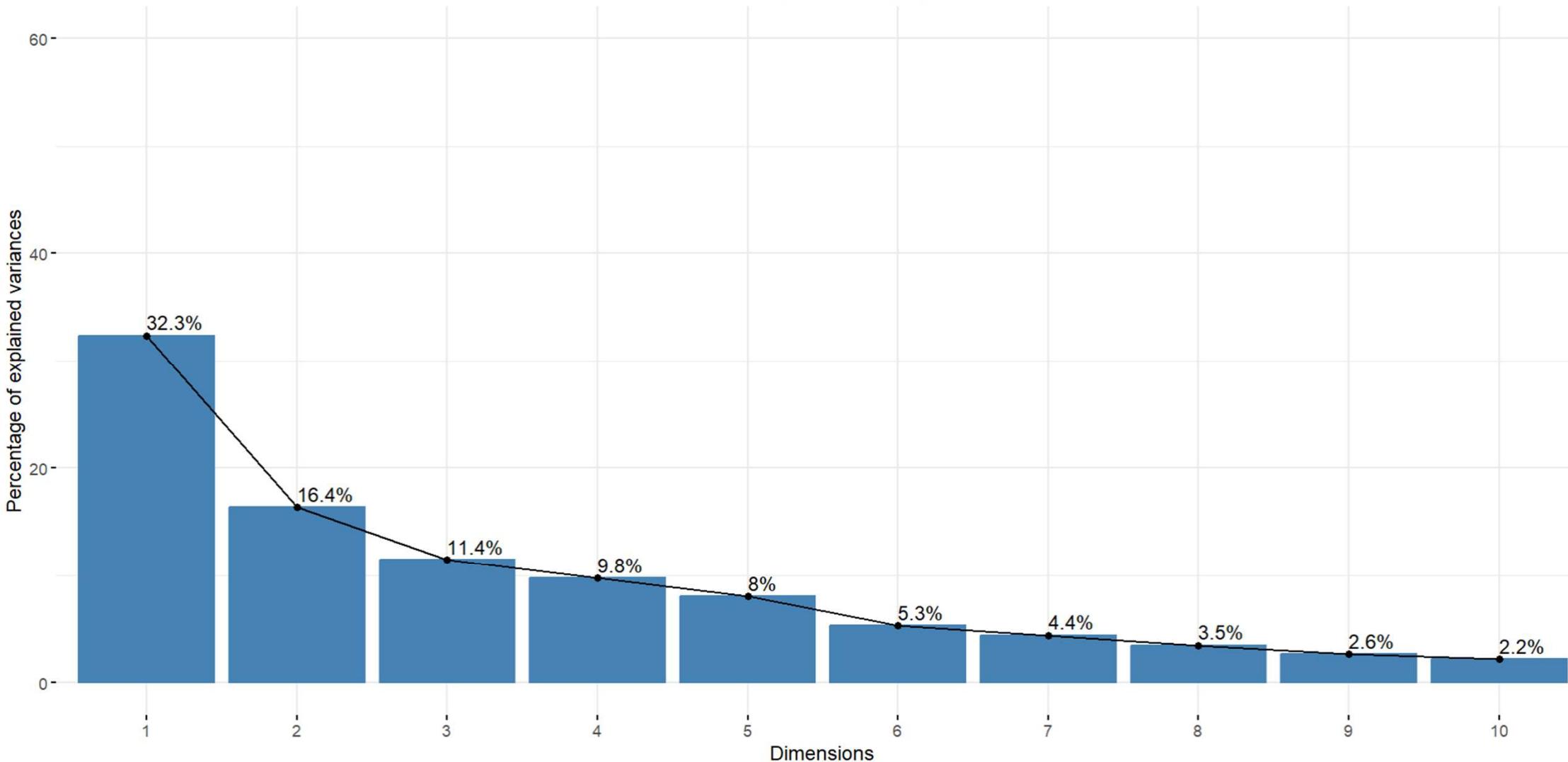


# 4th part - Principal Component Analysis (PCA) and Hierarchical Classification on principal components (HCPC)

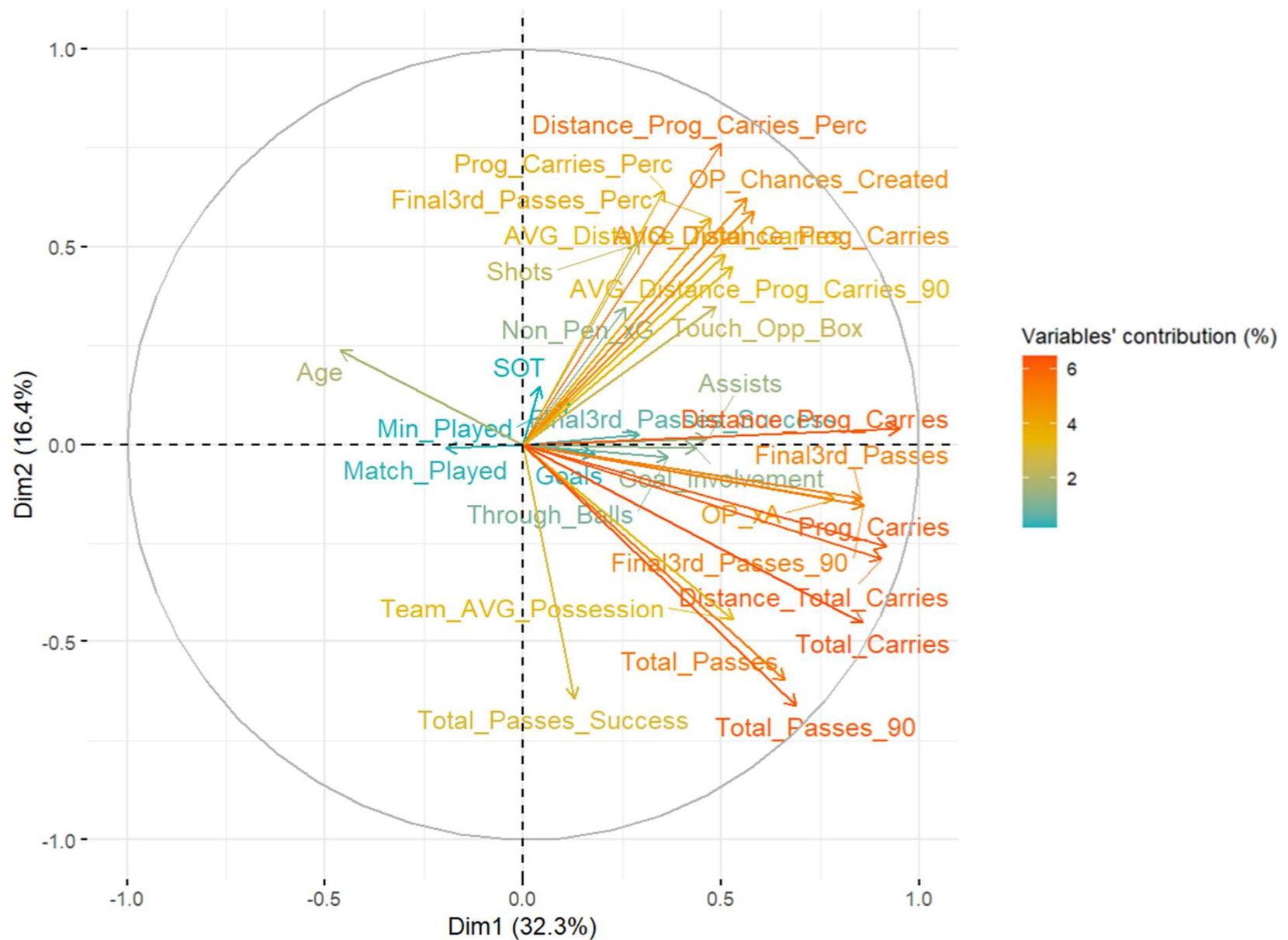


[Analyse en composantes principales \(ACP\)](#)

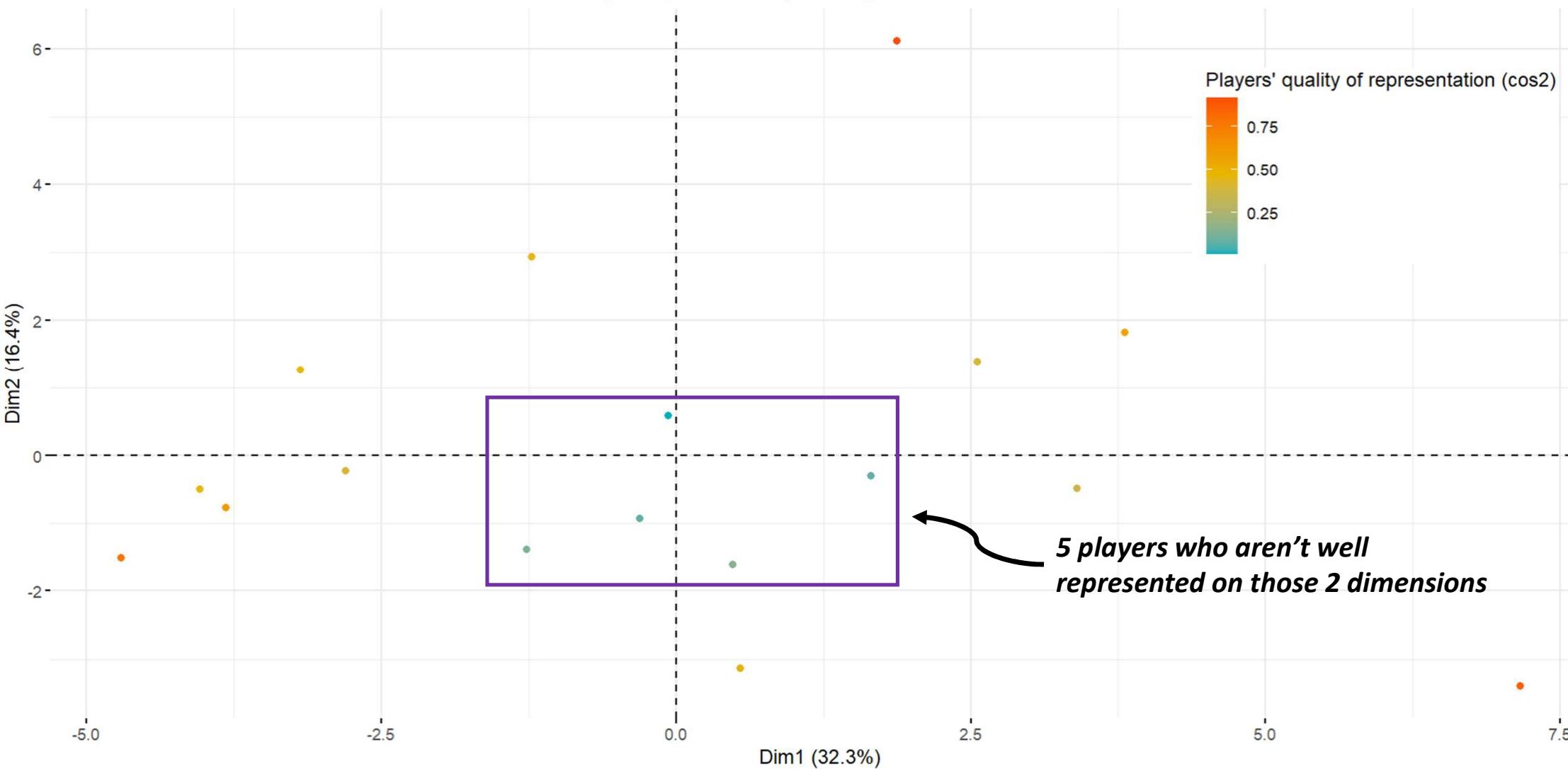
### Explained variance percentage per dimension



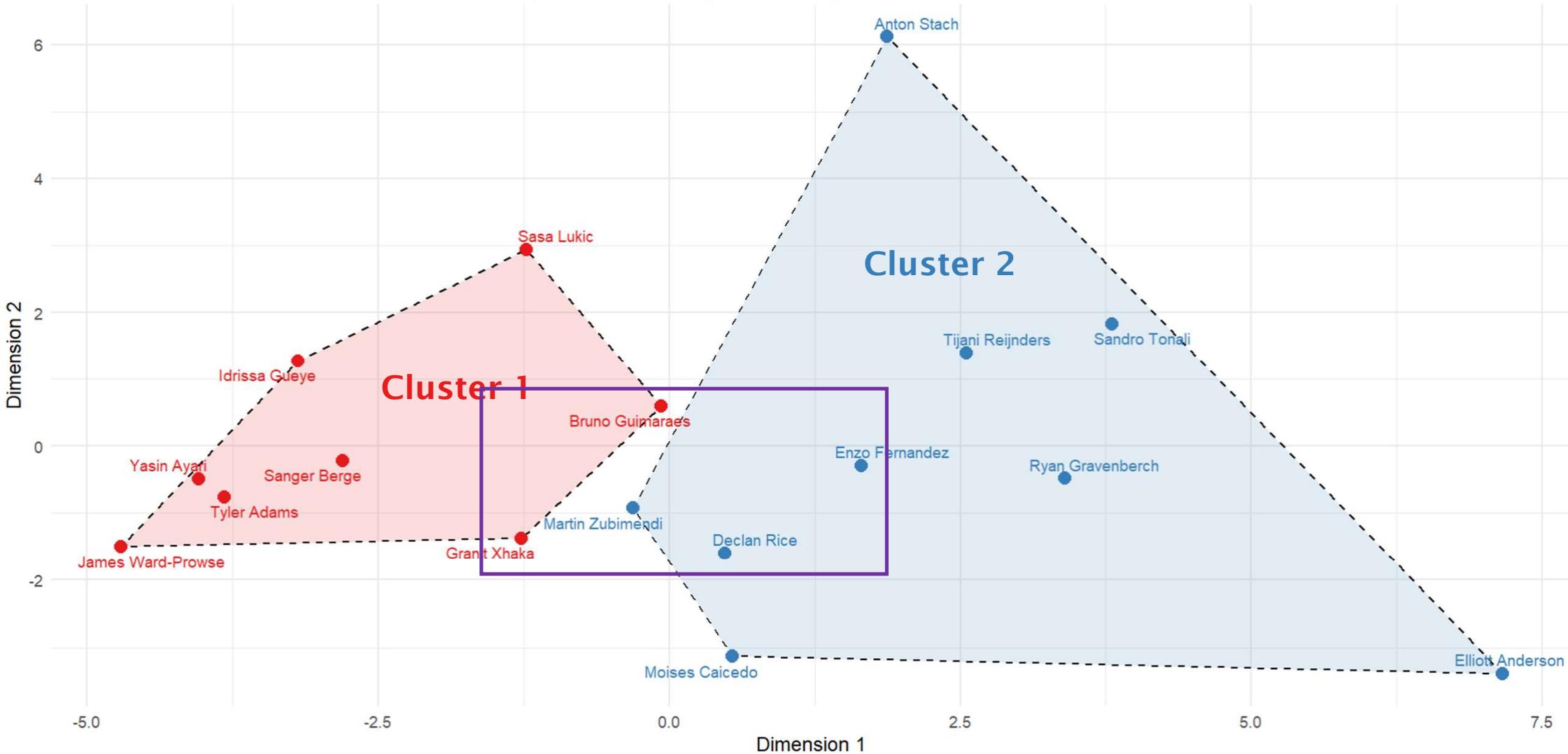
## ACP - Correlation Circle



### ACP - Players' positioning through the first 2 dimensions



## Players' clustering according to the first 2 dimensions



## Statistical comparison of variables between the two clusters

Variable	Cluster1	Cluster2	p.value
Age	28.6 ± 4.6	24.7 ± 1.7	<0.05
Team_AVG_Possession	48 ± 3	55.5 ± 6.1	<0.01
Goal_Involvement	0.6 ± 0.7	1.9 ± 1.1	<0.05
OP_Chances_Created	2.2 ± 1	4.2 ± 2.4	<0.05
Total_Passes	202.2 ± 42.9	274.9 ± 66	<0.05
Total_Passes_90	43.5 ± 7.1	58 ± 13	<0.05
Final3rd_Passes	56.6 ± 19.6	82.2 ± 18.5	<0.05
Final3rd_Passes_90	12.2 ± 4.3	17.3 ± 3.6	<0.05
Total_Carries	40.6 ± 6.4	70.8 ± 21.9	<0.01
Distance_Total_Carries	388.2 ± 74.6	771.6 ± 214.6	<0.001
AVG_Distance_Total_Carries	9.6 ± 1.3	11 ± 1	<0.05
Prog_Carries	19 ± 4.8	33.9 ± 11.3	<0.001
Distance_Prog_Carries	158.3 ± 56.5	356.2 ± 114.3	<0.001
AVG_Distance_Prog_Carries	8.2 ± 1.4	10.6 ± 2.1	<0.05
AVG_Distance_Prog_Carries_90	1.8 ± 0.3	2.3 ± 0.5	<0.05

[Interactive table link](#)

# 5th Part - Conclusion

By combining players' clustering and comparing the variables of both clusters, we can observe and admit that, over the first five games of the season, two profiles of central midfielders stand out :

## Cluster 1 : Holding midfielders

- who are far from the danger zone  
*(goal contributions, chances created, final 3rd passes)*
- in a non-dominant squad *(team possession)*
- so less passes and carries  
*(passes and carries metrics)*

## Cluster 2 : Offensive playmakers

- who contribute to chances and goals,  
*(goal contributions, chances created, final 3rd passes)*
- dictate the team ball's activity,  
*(number of passes, number and distance of carries)*
- and progressive plays in the opponent's half  
*(final 3rd passes, number and distance of progressive carries)*

# Last Part – Cautions and Perspectives

- We cannot draw any conclusions from this work, since we only worked on the **first five games of the season**, and the **dimensions chosen for the PCA do not define** the group of players precisely enough.
- To go further :
  - Automate data extraction (web scraping or API)
  - Continue the analysis over the entire season (will include many more players)
  - Include GPS data in order to process with runs' directions with/without the ball, or % of runs at x km/h...