



2015-16 Leicester City Complete Analysis

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Introduction

At the time of writing, it has been about a year since I have set out on my journey within sports analytics. My inspiration for this project was to learn and apply the skills that I would need to provide valuable insights to football clubs and enthusiasts around the world. It is my hope to look back at this project a few years from now and realize how poor it is. Not because the work is poor but because I will continue to make improvements and earn the ability to develop even better work.

I chose to analyze Leicester City during the 2015-16 EPL Season as it is arguably the biggest underdog triumph in modern sports. I remember learning of the news that they had clinched the title in 2016. I was in Grade 11 of High School at the time and I remember seeing all of the reactions surrounding the team both through social media and public conversations. As a team with 5000-1 odds to win the Premier League, they had done the impossible. They won the elusive title in just their second consecutive year in the English top flight and knocked off all of their counterparts who had the luxury of fielding world class players and much higher budgets.

This project was my opportunity to evaluate for myself the factors that led to their success using analytics. Were Mahrez and Kanté truly as gamebreaking as they were perceived that season? Was Jamie Vardy the best Striker in the Premier League? Were Leicester City counterattack merchants who patiently sat in a low block? Was their triumph mostly due to good fortune? These were the questions that I aimed to answer using the numbers. I must confess that I did not watch any of their matches that season (criminal I know). In a perfect world, you want the analytics and the eye test to both be in alignment to make the most informed decisions possible. In this case, I will do my best to craft my story of their season strictly using the numbers.

For this project, I used the 2015-16 Season data provided by StatsBomb. This data is free and can be used by the general public. It is

important to note that this data and my subsequent analysis only includes the English Premier League (EPL). It does not include other competitions such as the FA Cup or UEFA Champions League.

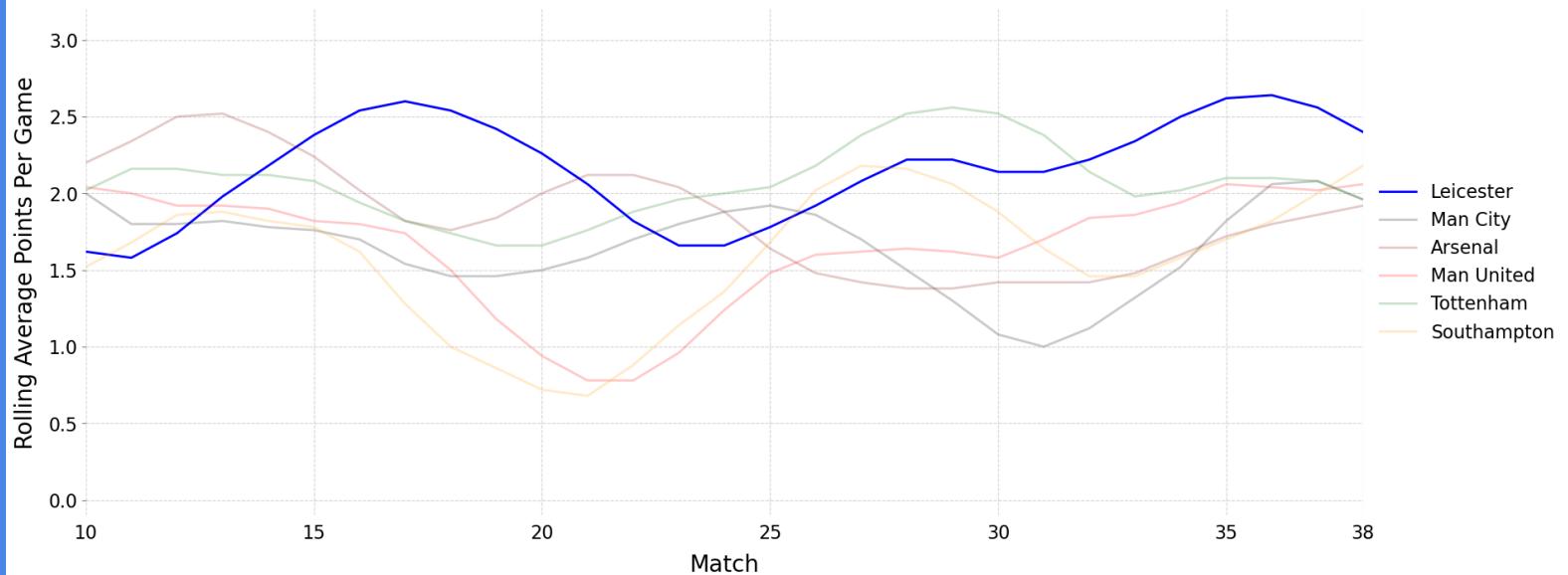
I want to end this section by acknowledging and thanking everyone who has provided me feedback on this project and those who have helped me along the way. I hope that this project can be an entertaining read while also providing useful insights.

10 Game Rolling Averages

The cliché saying in the sports world is that it is a results based business. Staying true to this saying, this is where my evaluation of 2015-16 Leicester City begins. Figure 1 displays the points earned by the top 6 EPL teams using a 10 game rolling average. It can be seen that Leicester City were averaging the second lowest point total among the top 6 teams for the first 10 matches but surged to peaks of 2.6 points per game during Matchweek 17 and 2.64 points per game during Matchweek 36. That season, the club's average points per game never fell lower than 1.58 (Matchweek 11). Not only did Leicester City achieve the highest peaks, they were also a very consistent club without much variance in their results.

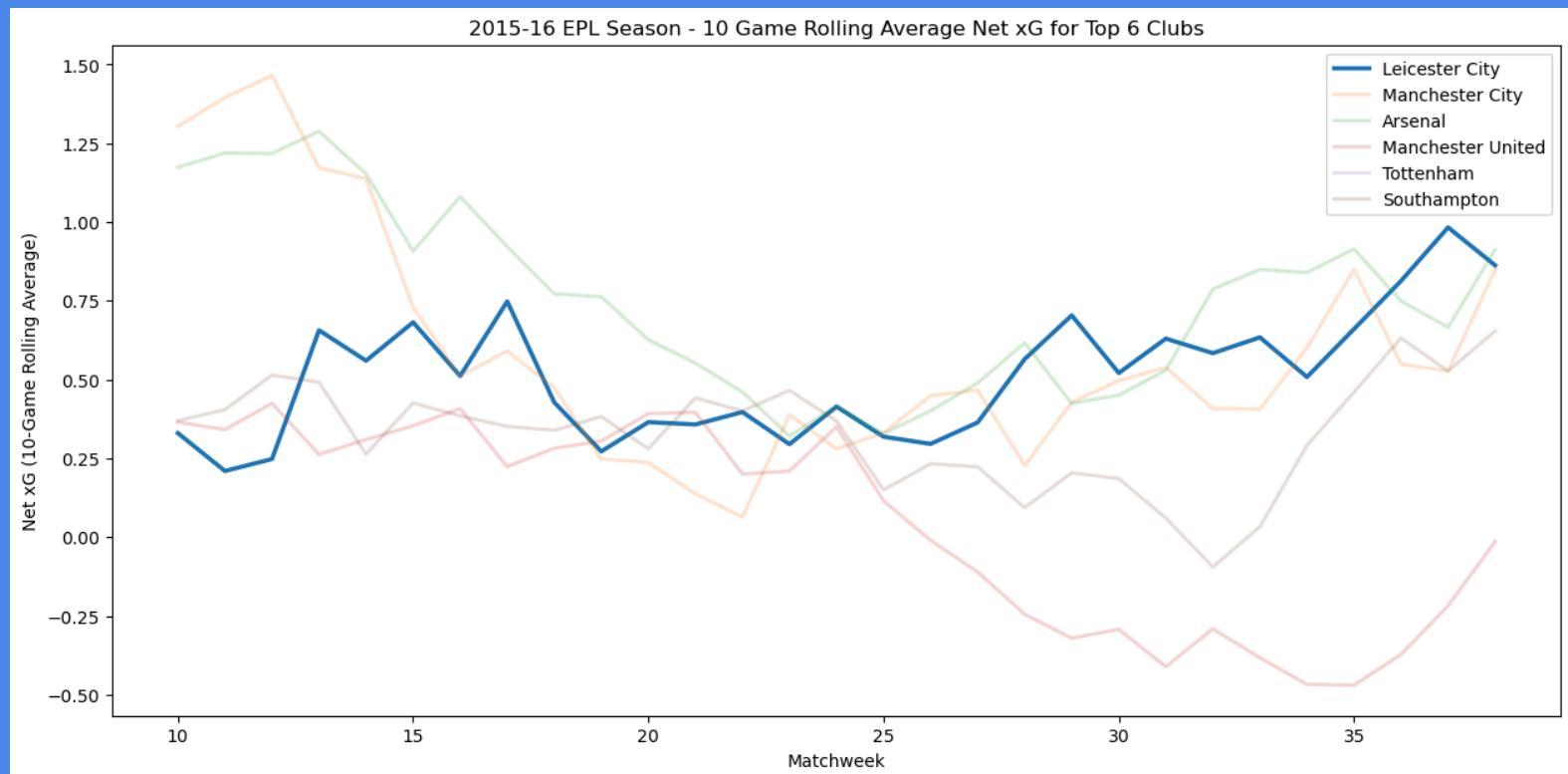
Figure 1:

2015-16 EPL Season - 10 Game Rolling Average Points for Top 6 Clubs



While results are how success is measured, they tell us nothing about how a team actually performs. This is especially the case in a sport like football where there are countless variables that can significantly affect the outcome of matches. The net xG rolling average aids us in measuring a team's performance during individual matches by summing the xG of their shots and subtracting it by the xG of the opponent's shots. The theory is that if your team has a higher xG than your opponent, your team is creating more dangerous opportunities and should both score more goals and win more matches over the long run. At their peaks, Manchester City and Arsenal dominated teams with an average net xG above 1. While Leicester City never reached those levels of dominance, they consistently created more dangerous chances than their opponents with very little variance in performance. They were consistently involved in patterns of play where they were outplaying their opponents with the team never dropping below 0.21 net xG.

Figure 2:

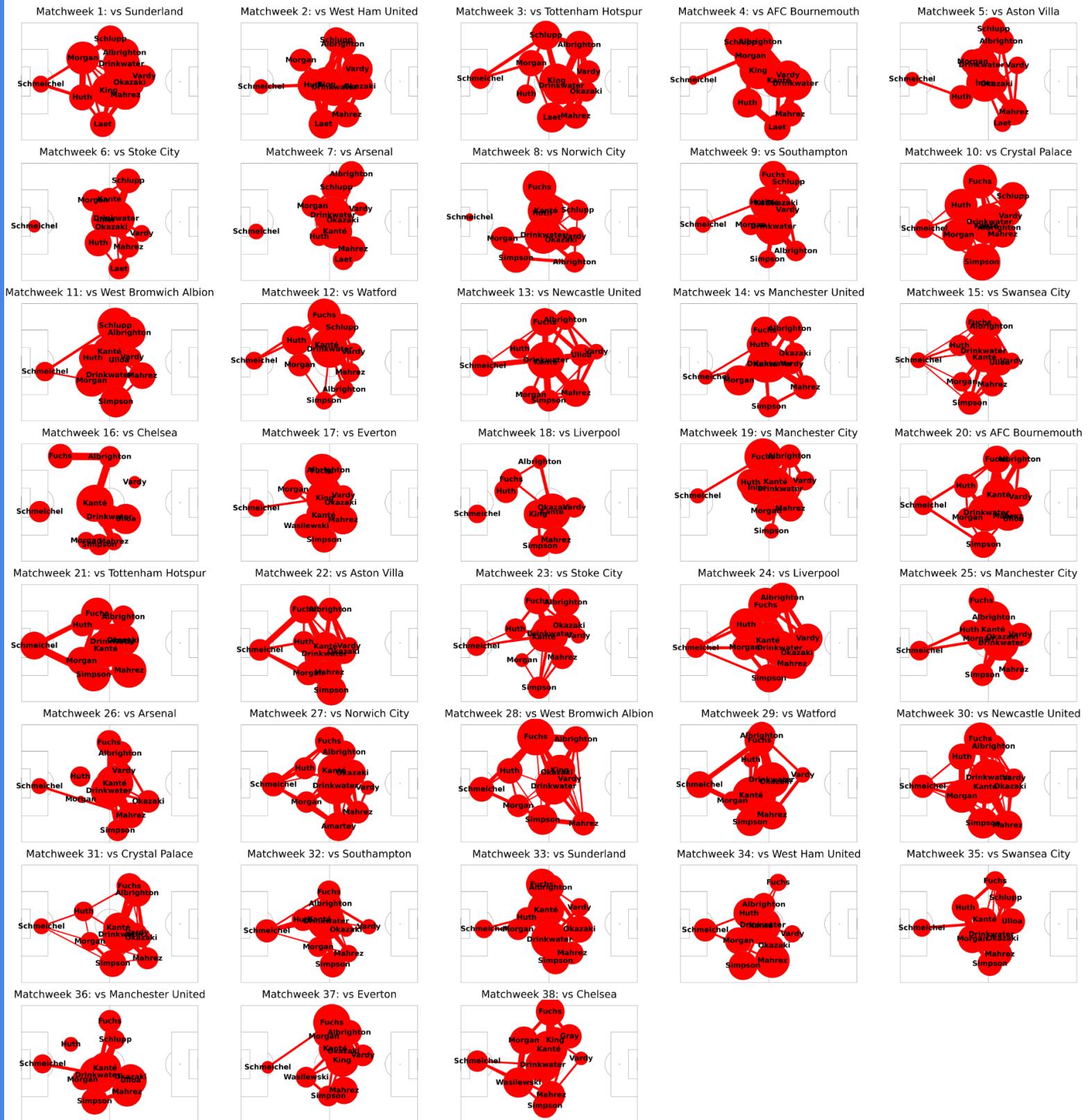


Passing Networks & Formation

Diving a little deeper, I wanted to identify if Leicester City played a certain style of football or whether they had certain preferences within their build up play. This was done by creating passing networks for all 38 Premier League matches they played that season. Larger circles represent players who were involved in the most passes and ball receipts while thicker lines between the circles indicate passing networks that were used more frequently. A clear observation is that Leicester City mostly played and received passes within the middle of the pitch. This naturally makes sense since the midfield area is usually the area where most passes are completed. What is more interesting in my opinion is that most of Leicester City's players are clustered together. This is shown within the plots as most of the circles overlap with each other. Based on these passing networks, it can be speculated that Leicester City were focused on packing the midfield area, winning the ball and attempting to find line breaking passes to their forwards.

Figure 3:

Leicester City Passing Networks



Based on these passing networks I plotted the position of each player using k-means clustering. I set the n=11 since there are 11 players on the pitch and used the average location for each cluster. Figure 4 displays the results of the clustering. From these clusters I was able to plot the Starting XI used most frequently by Leicester City during the 2015-16 EPL season. This is displayed in Figure 5.

Figure 4:

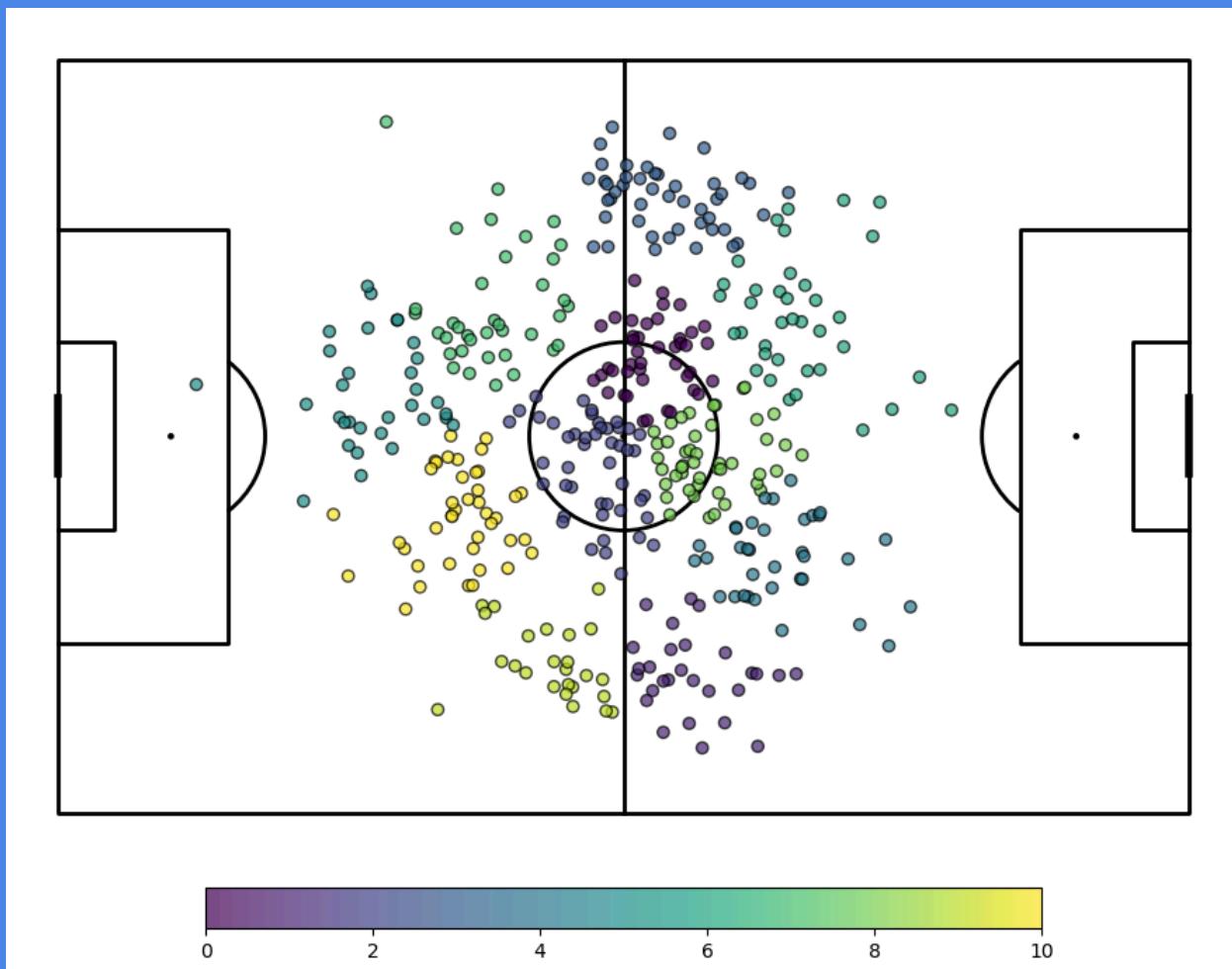
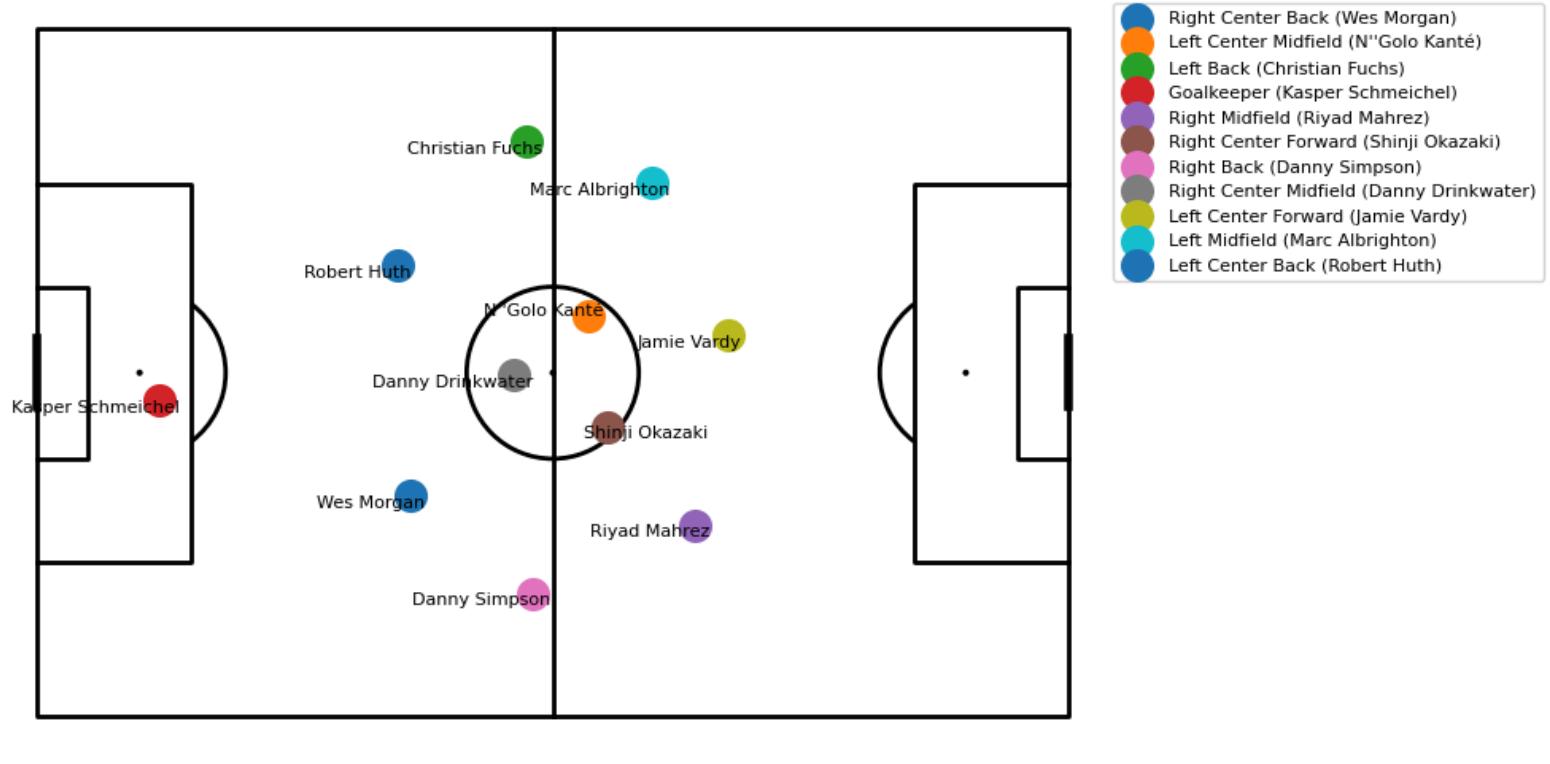


Figure 5:

2015-16 Leicester City Tactical Formation



That season, Leicester City relied heavily on the 4-4-2 formation and frequently maintained the same group of players within their Starting XI. As a team in only their second year in the EPL post promotion, this was a smart strategy to employ. Historically, roster depth takes multiple transfer windows to strengthen assuming those transfer windows are successful. Naturally, newly promoted teams have weaker roster depth since they have not had the necessary transfer windows or budgets to compete with established Premier League teams. While Leicester City were able to rely on their core group of players, many teams are unable to do so due to injuries or player demands. In this aspect, Leicester City were very fortunate to avoid any serious injuries to their key players. Though Claudio Ranieri and his coaching staff must be commended for establishing successful team selections.

Total Minutes Played

Leicester City had 10 players who logged over 2500 minutes and 3 players who ranked in the Top 25 for minutes played (excluding goalkeepers). I believe this prolonged amount of time on the pitch relative to other teams developed a stronger sense of cohesiveness and chemistry within the first team, contributing greatly to their success.

Figure 6:

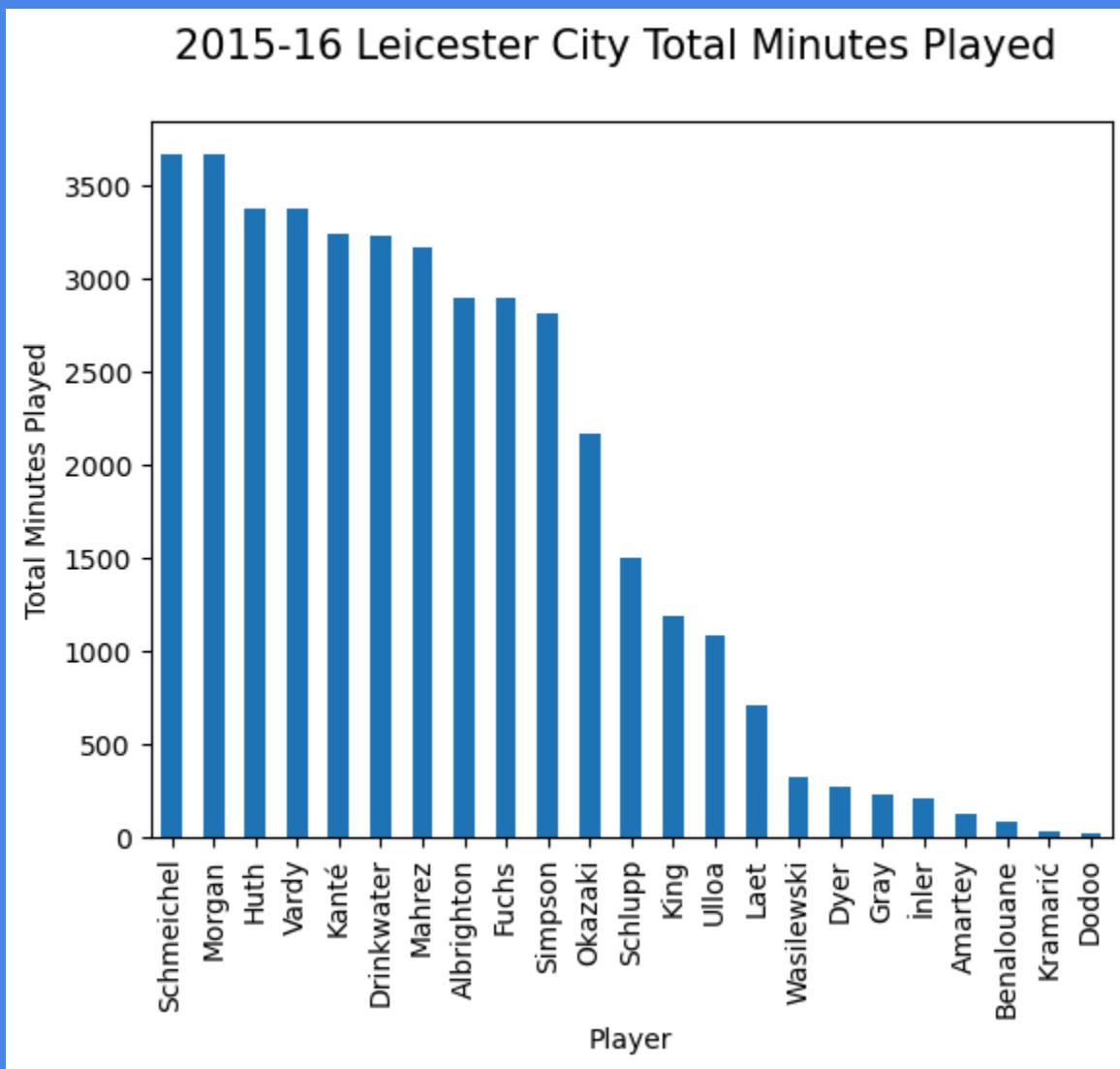
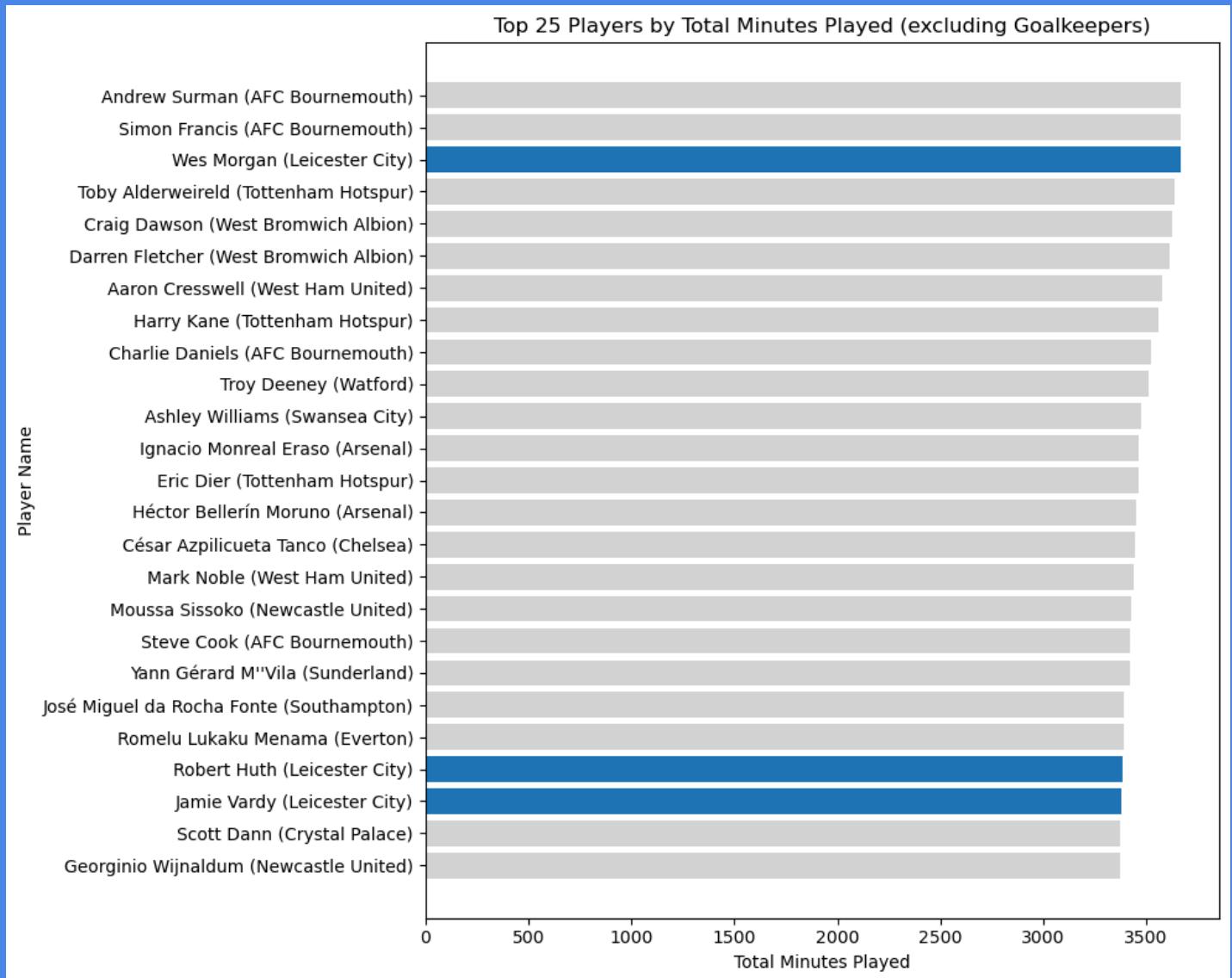


Figure 7:



Basic & Underlying Stats

Leicester's historic season ended with them finishing with 81 points, 10 more than second place Arsenal. They also scored the third most goals in the Premier League and had the 5th highest net xG value. According to xG they were generating the most dangerous scoring chances in the league with 66 goals expected.

Amazingly, Leicester City really outperformed their xGA metric, conceding 10 fewer goals than expected. This statistic points to the fact that their defense was operating at a level well above their baseline and were due for a regression. If instead, the team conceded 46 goals which was their xGA, Leicester City would not have been crowned champions and you would not be reading this analysis. Alas, with every underdog story, lots of things have to go a team's way. It is all a part of the magic of sports.

A possible reason for this disparity is that Leicester City were adept at blocking shots, especially those with a high xG value. It is also possible that Leicester City's opponents were under pressure at the time of the shots which greatly reduced the likelihood of goals.

Table 1:

Team	W	D	L	PTS	G	GA	GD	xG	xGA	net_xG
Leicester City	23	12	3	81	67	36	31	66.282171	46.133551	20.148620
Arsenal	20	11	7	71	62	33	29	65.136126	33.574686	31.561440
Tottenham Hotspur	19	13	6	70	68	32	36	62.356203	35.561220	26.794983
Manchester City	19	9	10	66	71	39	32	64.555055	39.058934	25.496121
Manchester United	19	9	10	66	46	33	13	42.198589	38.518749	3.679839
Southampton	18	9	11	63	57	41	16	54.223258	39.750323	14.472935
West Ham United	16	14	8	62	64	49	15	54.526547	54.267445	0.259102
Liverpool	16	12	10	60	62	49	13	58.373657	38.027574	20.346083
Stoke City	14	9	15	51	40	55	-15	40.368844	55.236536	-14.867692
Chelsea	12	14	12	50	55	51	4	53.579995	47.968944	5.611052
Swansea City	12	11	15	47	41	47	-6	42.145183	50.738796	-8.593613
Everton	11	14	13	47	56	54	2	50.614745	54.408405	-3.793660
Watford	12	9	17	45	36	48	-12	44.082146	53.411908	-9.329762
West Bromwich Albion	10	13	15	43	32	45	-13	38.626782	48.698063	-10.071281
AFC Bournemouth	11	9	18	42	43	67	-24	40.351590	46.703807	-6.352217
Crystal Palace	11	9	18	42	38	47	-9	42.383496	52.801023	-10.417527
Sunderland	9	12	17	39	44	61	-17	42.487582	61.214140	-18.726558
Newcastle United	9	10	19	37	43	63	-20	40.665337	56.305968	-15.640631
Norwich City	9	7	22	34	38	66	-28	38.891327	59.405513	-20.514186
Aston Villa	3	8	27	17	25	72	-47	29.581017	59.644067	-30.063051

Of course, I was not satisfied with a basic team table, so I created a table that tracked metrics when Leicester City had possession of the ball. According to the numbers, Leicester City were near the bottom of the league in ball possession, passes completed, and pass %. The team ranked in the middle of the pack in successful dribbles, shots, and dribble %. The shot % statistic is where the club shined the brightest. They ranked first in the league in this metric by more than one percentage point. This means that the shots they took resulted in goals more often than any other

team in the league that season. The team's performance in all these categories reflect the profile of a team that plays a very direct style of football. According to the numbers, they appear to be a team that looks to attack the opposing net quickly while being elite at finishing their chances when they're created.

Table 2:

Team	Possession %	Passes Completed	Successful Dribbles	Shots	Goals	Pass %	Dribble %	Shot %
AFC Bournemouth	52.20	15163	414	478	43	78.14	55.57	9.00
Arsenal	55.77	18758	500	583	62	82.60	61.96	10.63
Aston Villa	45.75	13015	453	392	25	75.81	58.60	6.38
Chelsea	53.94	17277	451	535	55	81.21	59.42	10.28
Crystal Palace	48.78	11395	434	477	38	72.08	58.89	7.97
Everton	52.11	15843	404	498	56	79.74	57.22	11.24
Leicester City	44.90	10401	429	525	67	68.91	59.17	12.76
Liverpool	55.95	16991	424	635	62	79.16	58.64	9.76
Manchester City	54.99	18168	460	614	71	81.32	63.62	11.56
Manchester United	55.93	17628	372	431	46	80.53	56.62	10.67
Newcastle United	45.47	12660	466	404	43	75.36	59.90	10.64
Norwich City	47.07	11912	347	424	38	71.53	59.52	8.96
Southampton	50.32	13530	322	527	57	75.19	59.96	10.82
Stoke City	48.53	13778	413	425	40	77.07	56.50	9.41
Sunderland	43.37	10015	314	451	44	68.87	57.83	9.76
Swansea City	50.99	15867	362	448	41	79.32	57.28	9.15
Tottenham Hotspur	54.70	16226	403	656	68	78.68	54.61	10.37
Watford	44.64	11598	347	450	36	70.88	60.24	8.00
West Bromwich Albion	44.20	9489	316	396	32	67.92	58.63	8.08
West Ham United	50.33	12665	419	559	64	75.51	59.10	11.45

Average Number of Passes Before Shots & Goals

This notion is further reinforced when evaluating the pass to shot correlation matrix shown in Figure 8. The blue dots represent Leicester City and each dot represents a match they played. Most of the blue dots are clustered in the middle left area of the plot which shows that Leicester City did not pass the ball as much as the other teams in the EPL that season while largely being average in the number of shots taken.

This is further reflected in the average number of passes before a shot. Leicester City ranks dead last in this statistic which starkly contrasts the teams who finished in the top half of the table that season. Similarly, they ranked in the bottom 5 teams for average number of passes before goals.

The fact that they were able to play this style of football and be as successful as they were is a true testament to the buy-in of the players, manager Claudio Ranieri, and the supporting coaching staff who developed and implemented this style of play.

Figure 8:

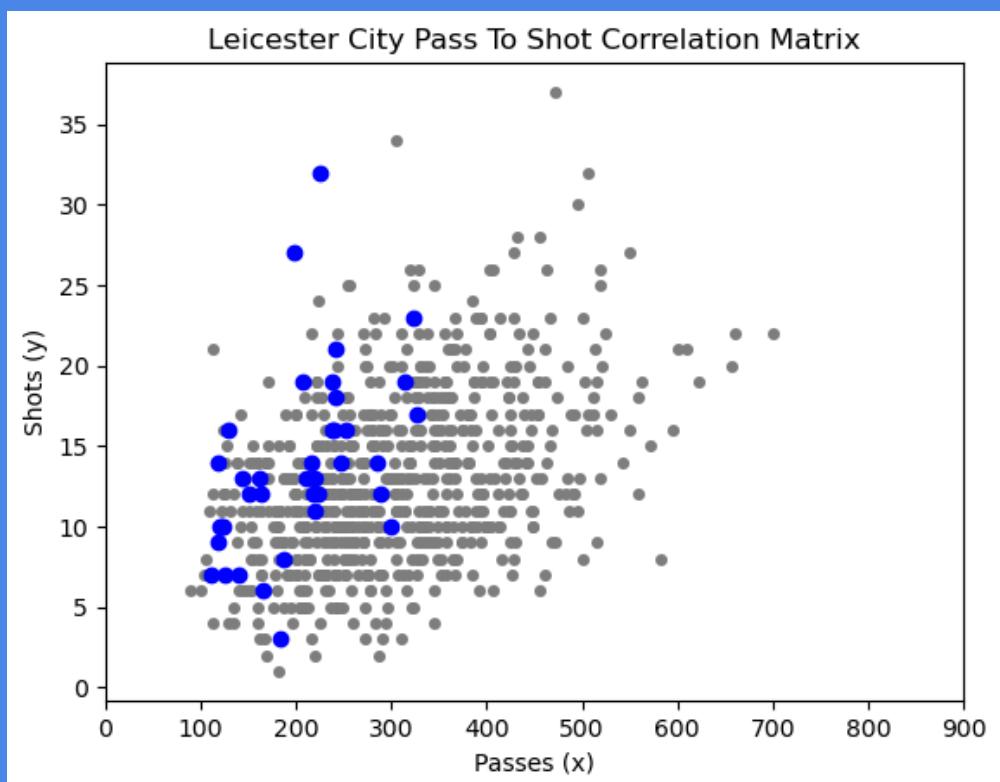


Figure 9:

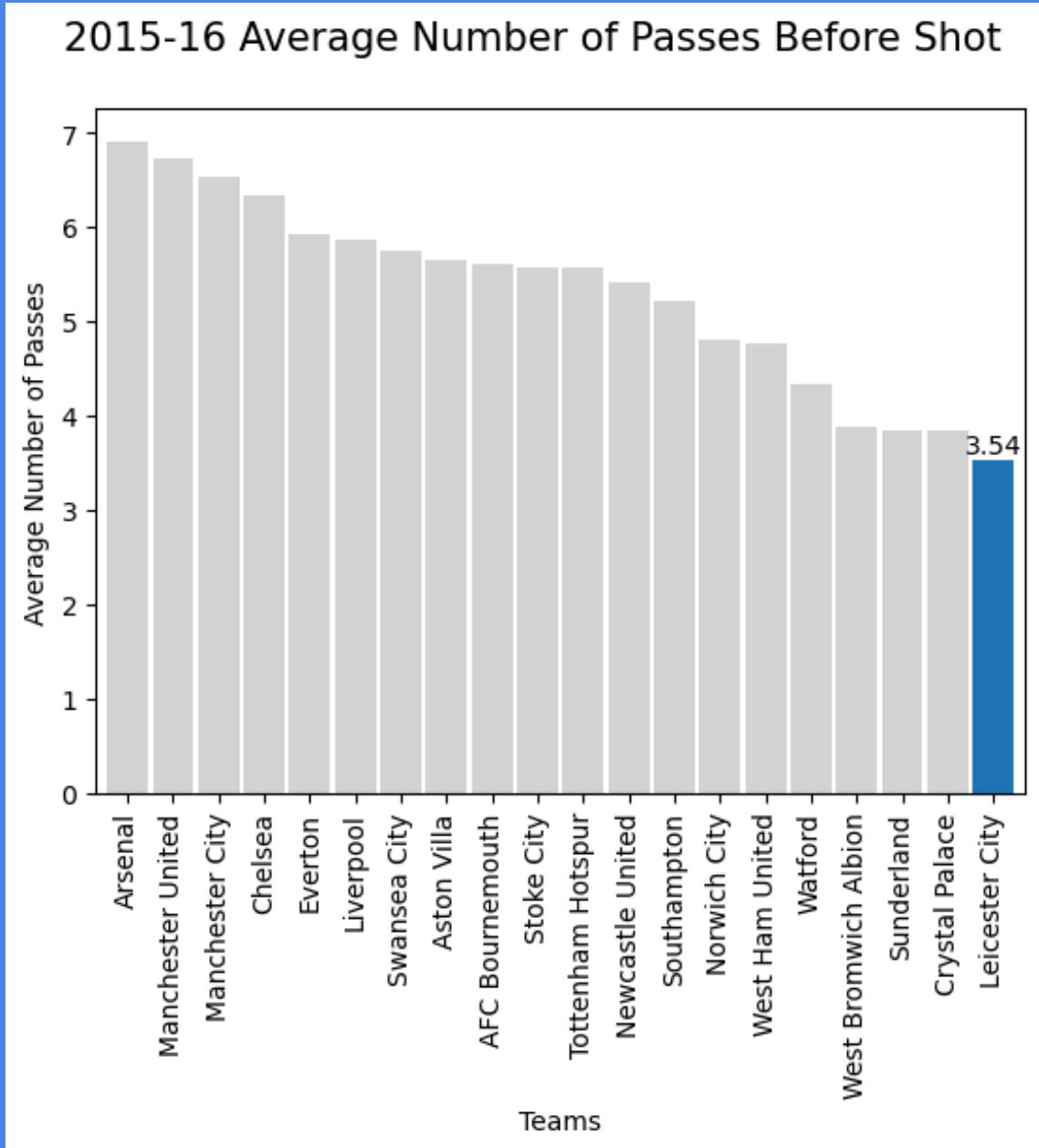
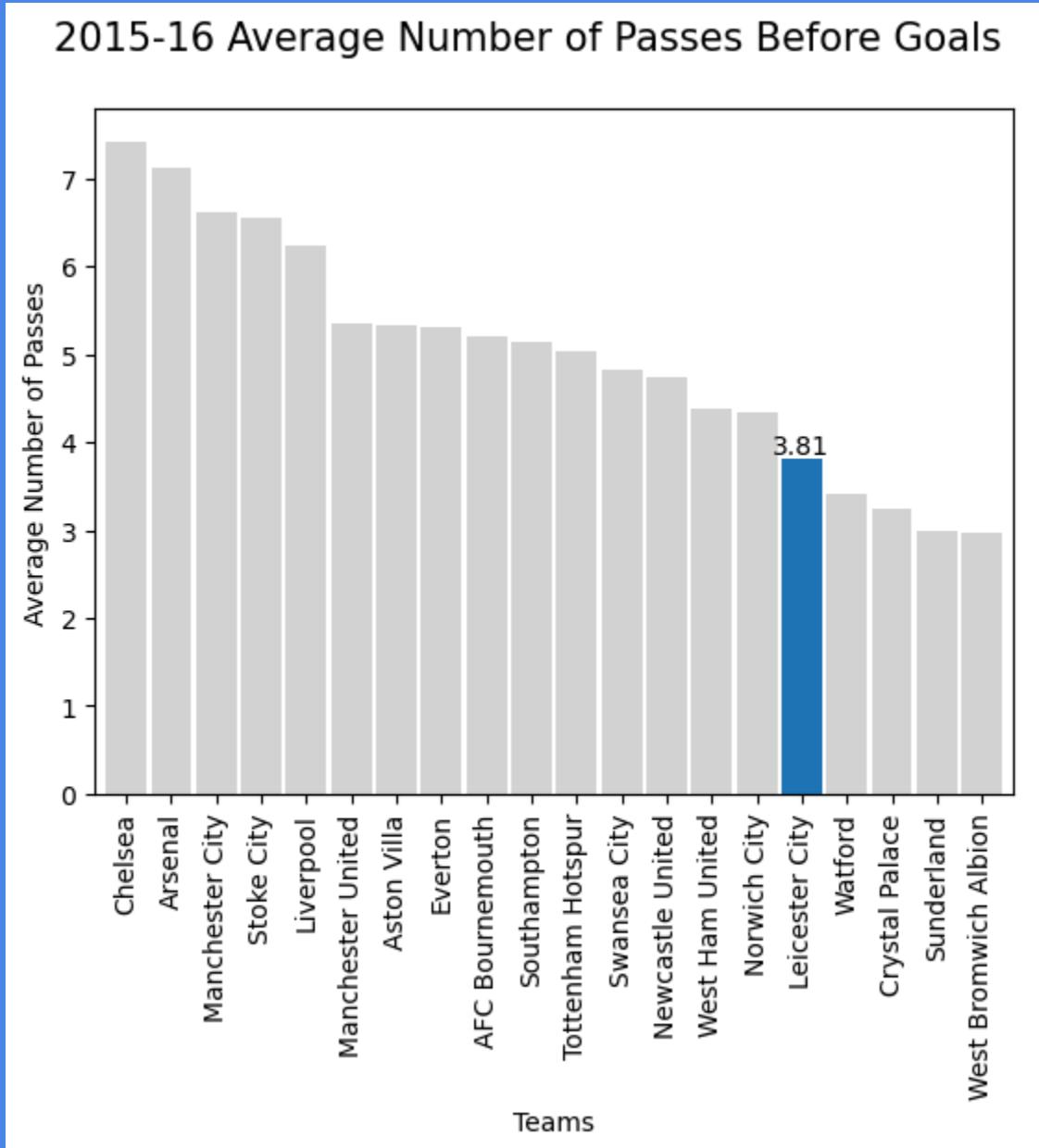


Figure 10:



Progressive Actions

In football, the teams that win games more often than not work the ball up the field into dangerous areas consistently. Not only does this create opportunities for them to score but it also drastically decreases the opponent's probability of scoring since they then have to work the ball up the field from a further distance. By evaluating a team's progressive actions, we can have a better idea of a team's ability to work the ball up the field. A progressive action is a pass or carry where the team advances the ball at least 25% closer to the opponent's goal from the attacking 60% of the field. Leicester City finished in the middle of the pack for progressive passes, progressive carries, and progressive actions (progressive passes + progressive carries). Thus, we can say that Leicester City were not a team that worked the ball up the field with great volume. While this is true, they are also the team with the lowest number of passes before shots on average as seen in the prior section. Therefore, we can expect these results to be in line according to their playstyle. Riyad Mahrez and Jeffrey Schlupp were two players who stood out amongst the Leicester City players for progressive actions, notably for their ability to progress the ball up the pitch by carrying it.

On the other side of the ball, Leicester City were around league average for progressive actions against. This could mean that Leicester City preferred to sit deeper in their defending third of the pitch, allowing their opponents to progress the ball up to a certain area before pressing to try and win it back.

Figure 11:

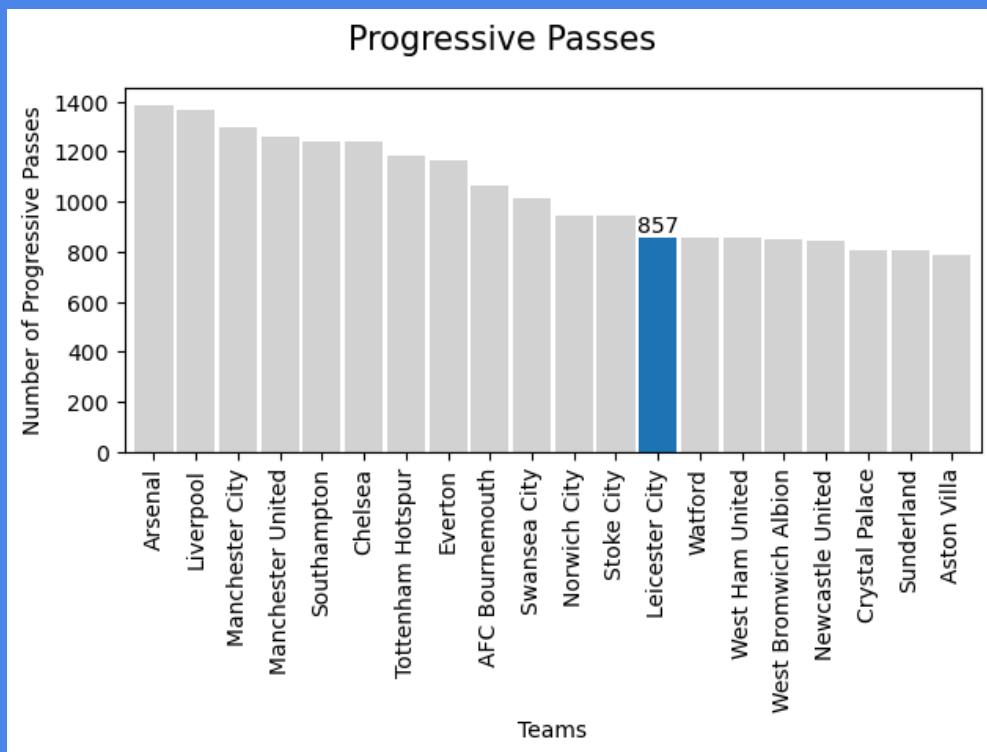


Figure 12:

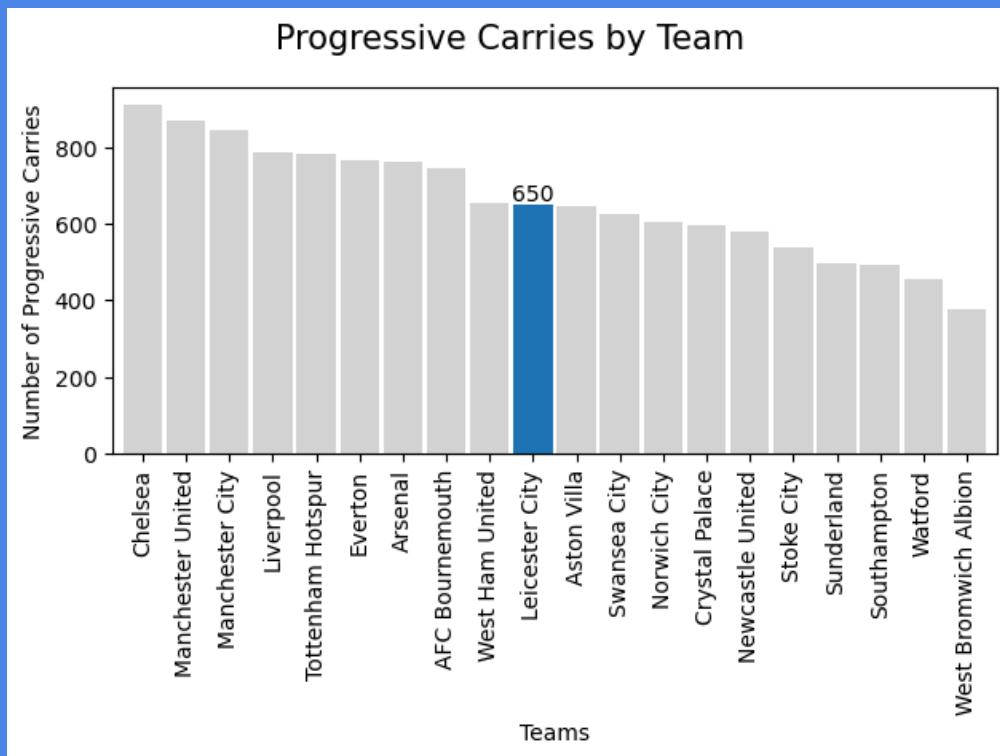


Figure 13:

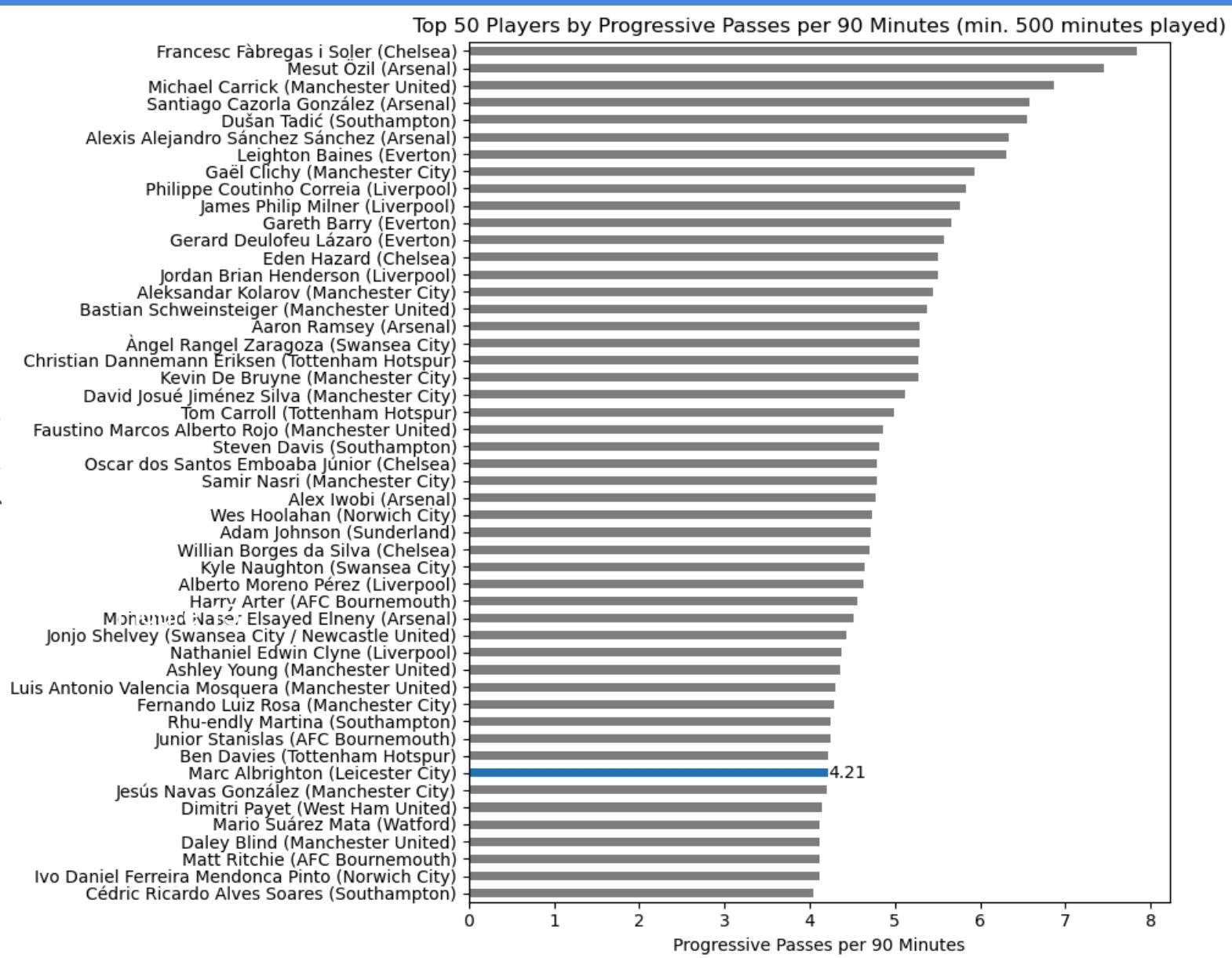


Figure 14:

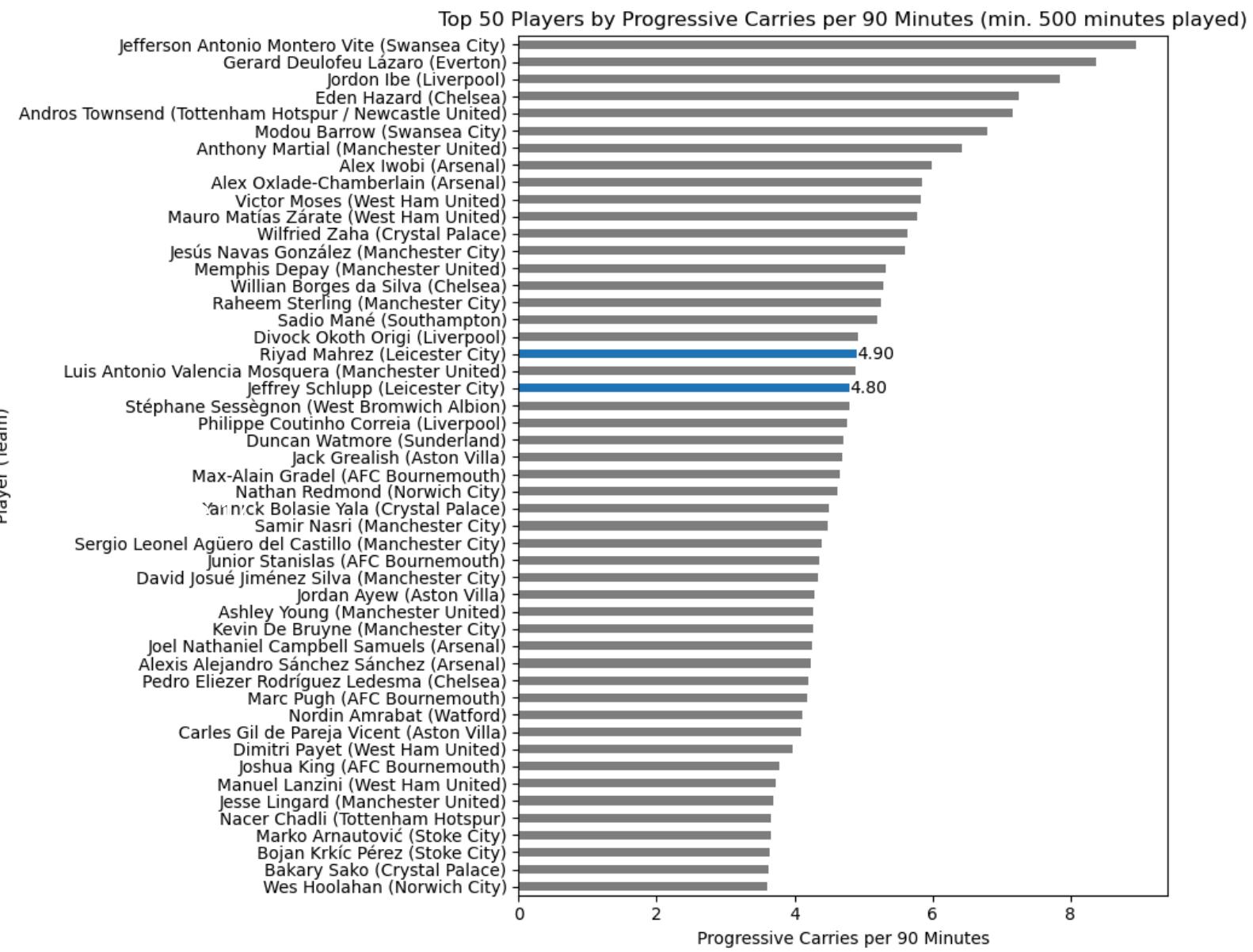


Figure 15:

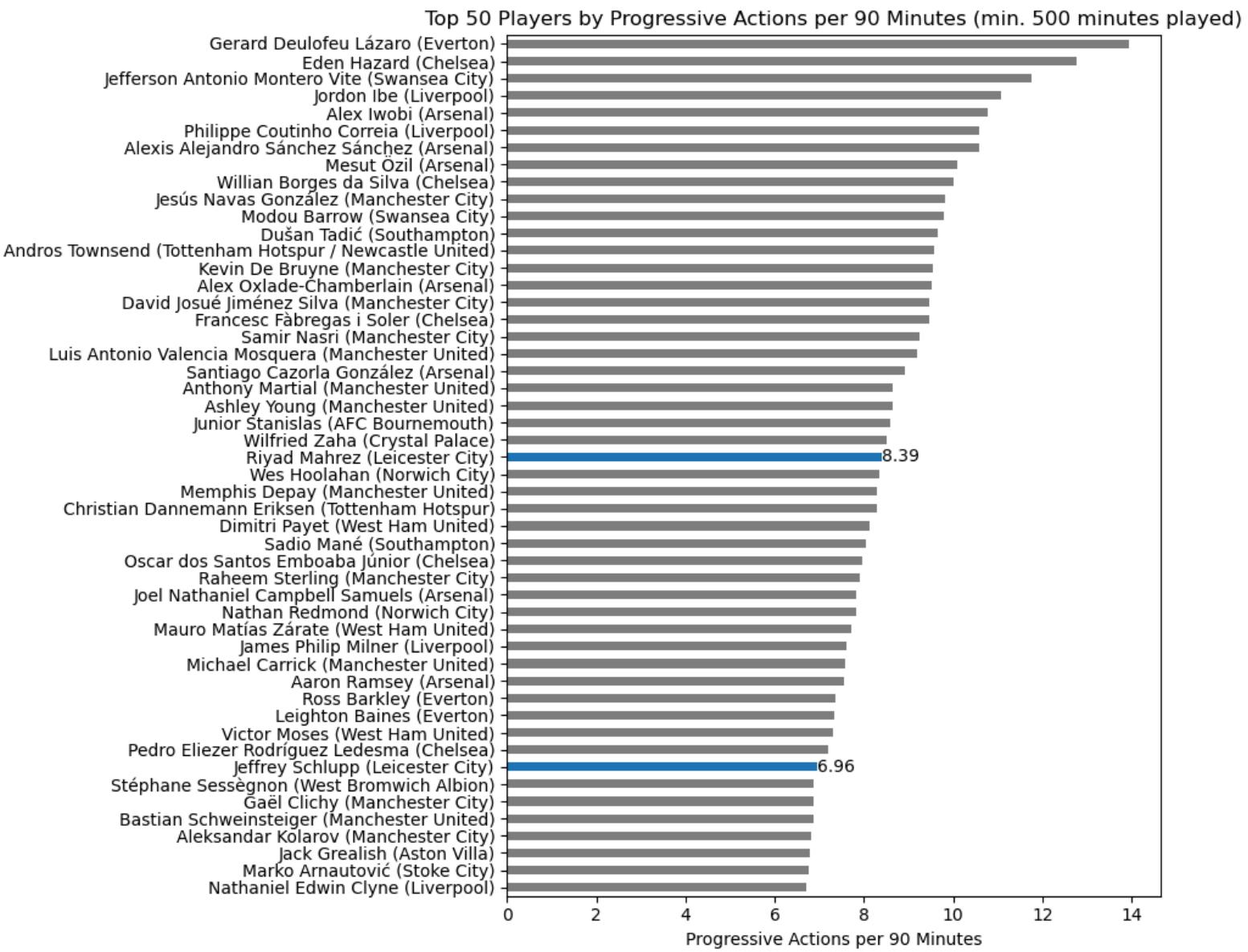
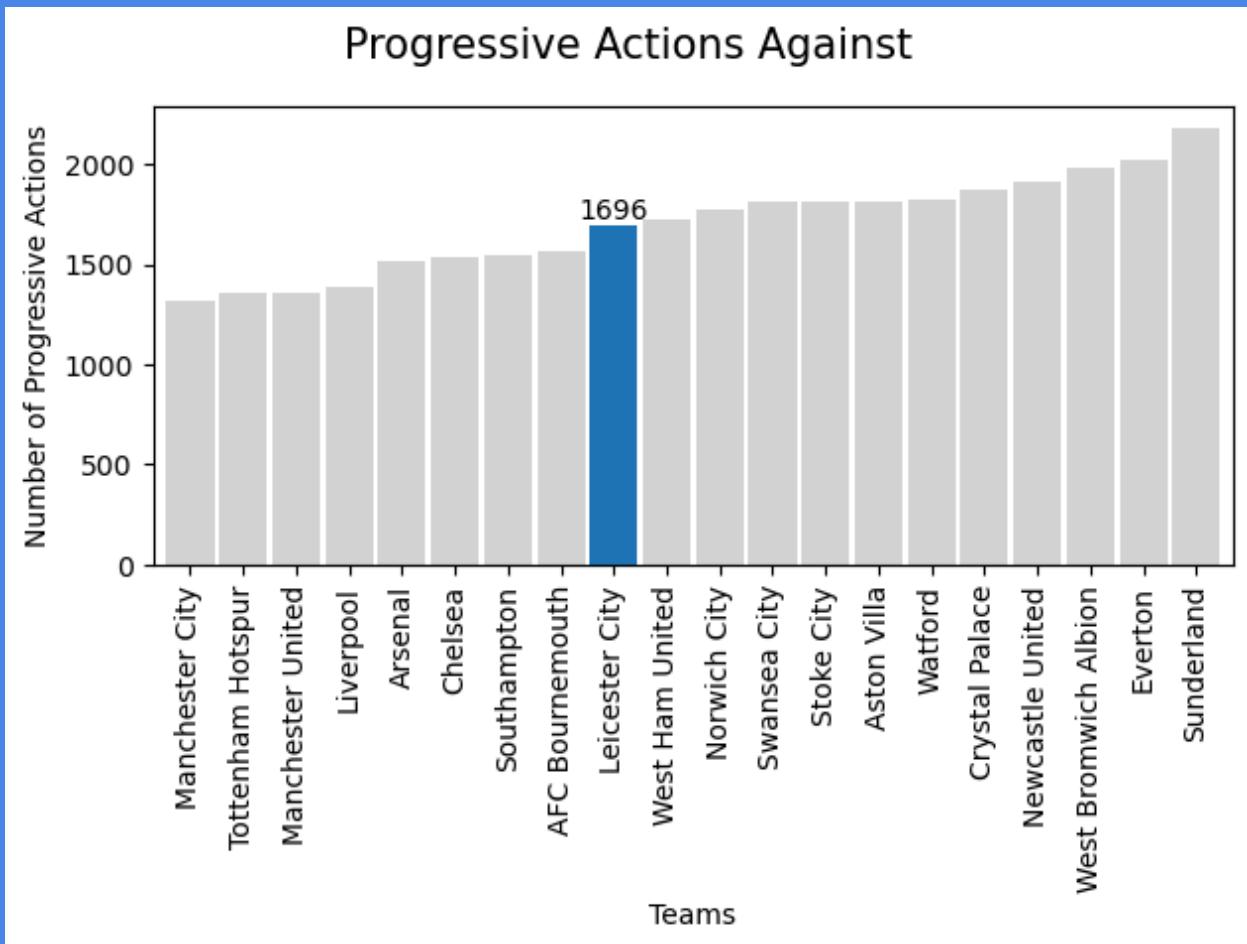


Figure 16:



Danger Passes & Areas of Danger

Passes dominate the game of football. On average a player at the professional level has possession of the ball for about 30 to 90 seconds in a 90 minute game. With this in mind, I wanted to capture the passes that were directly involved in the build up to a shot. I define these passes as danger passes; these are the passes that lead to a shot within 15 seconds of being received. The team leaders in this statistic were Danny Drinkwater and Riyad Mahrez who both averaged three danger passes per game. As a team, Leicester City finished in the bottom 5 of the EPL in danger passes. While Leicester City did not have a high frequency of danger passes compared to the rest of the Premier League, they did have the 4th highest average distance for their danger passes. This further suggests that Leicester focused on playing direct football, often hitting teams on the counterattack rather than moving the ball up the field with a large volume of passes.

Figure 17:

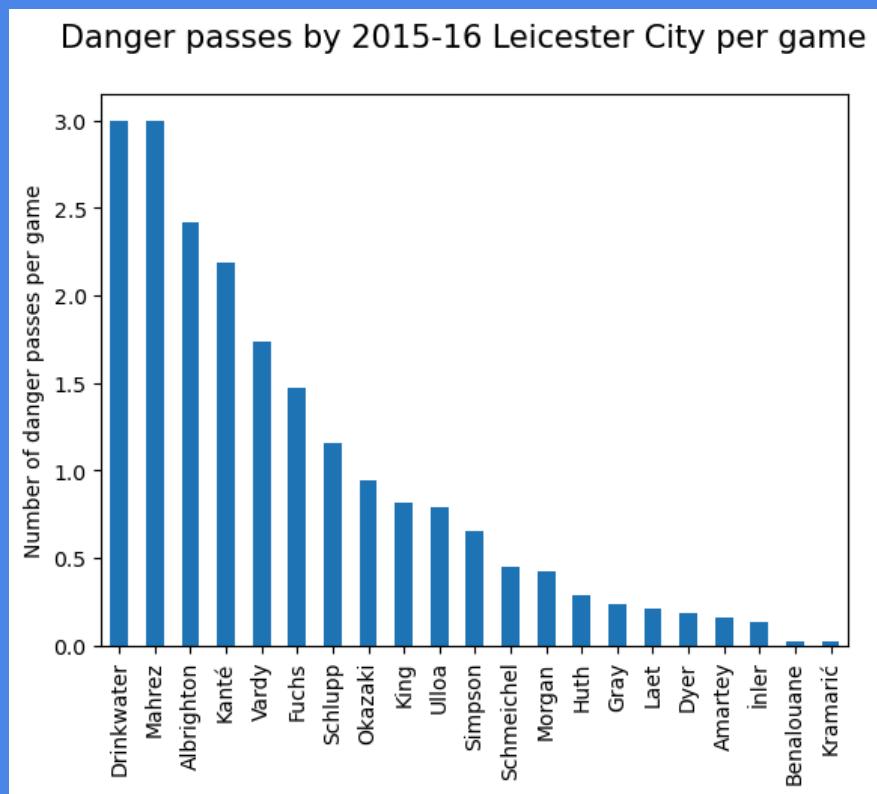


Figure 18:

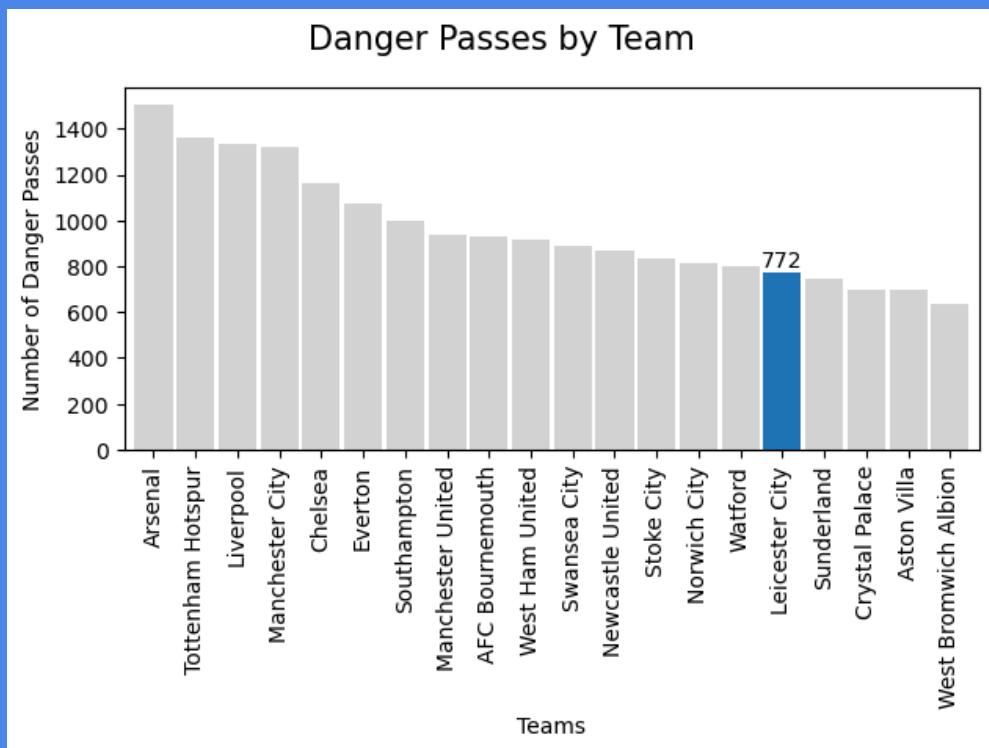
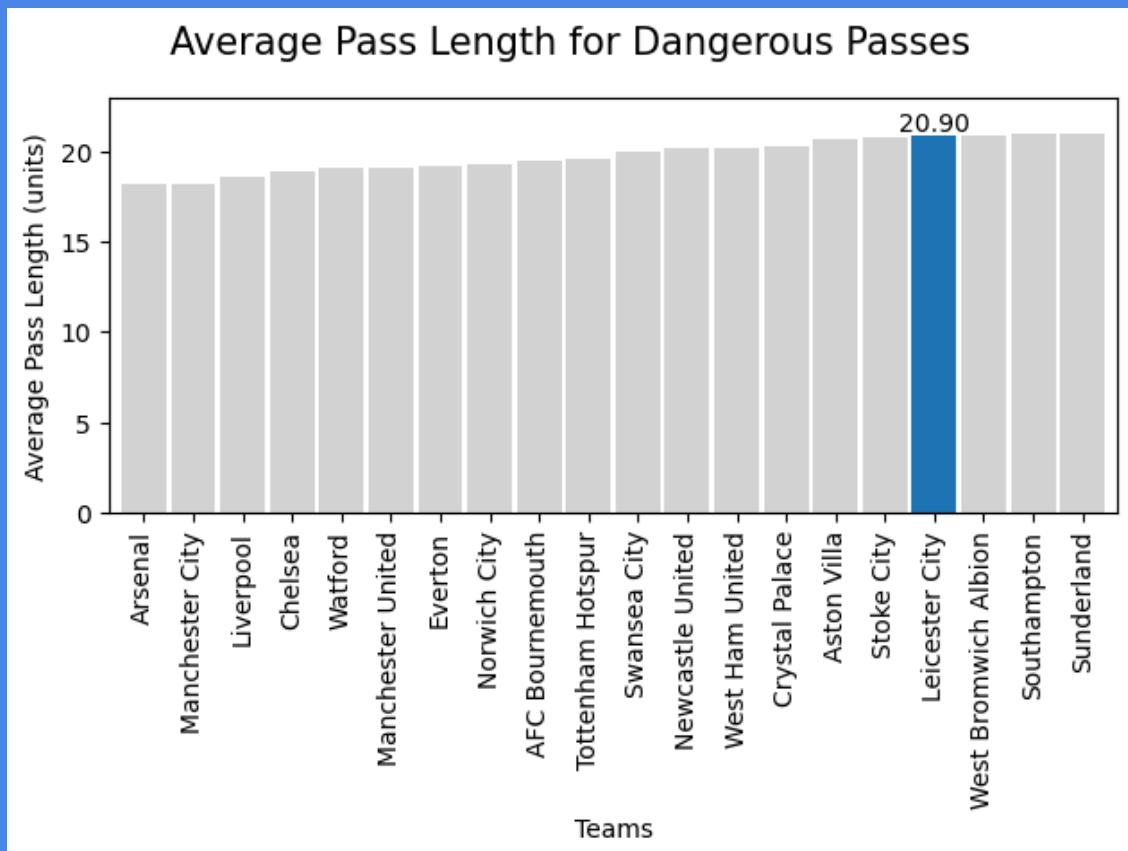
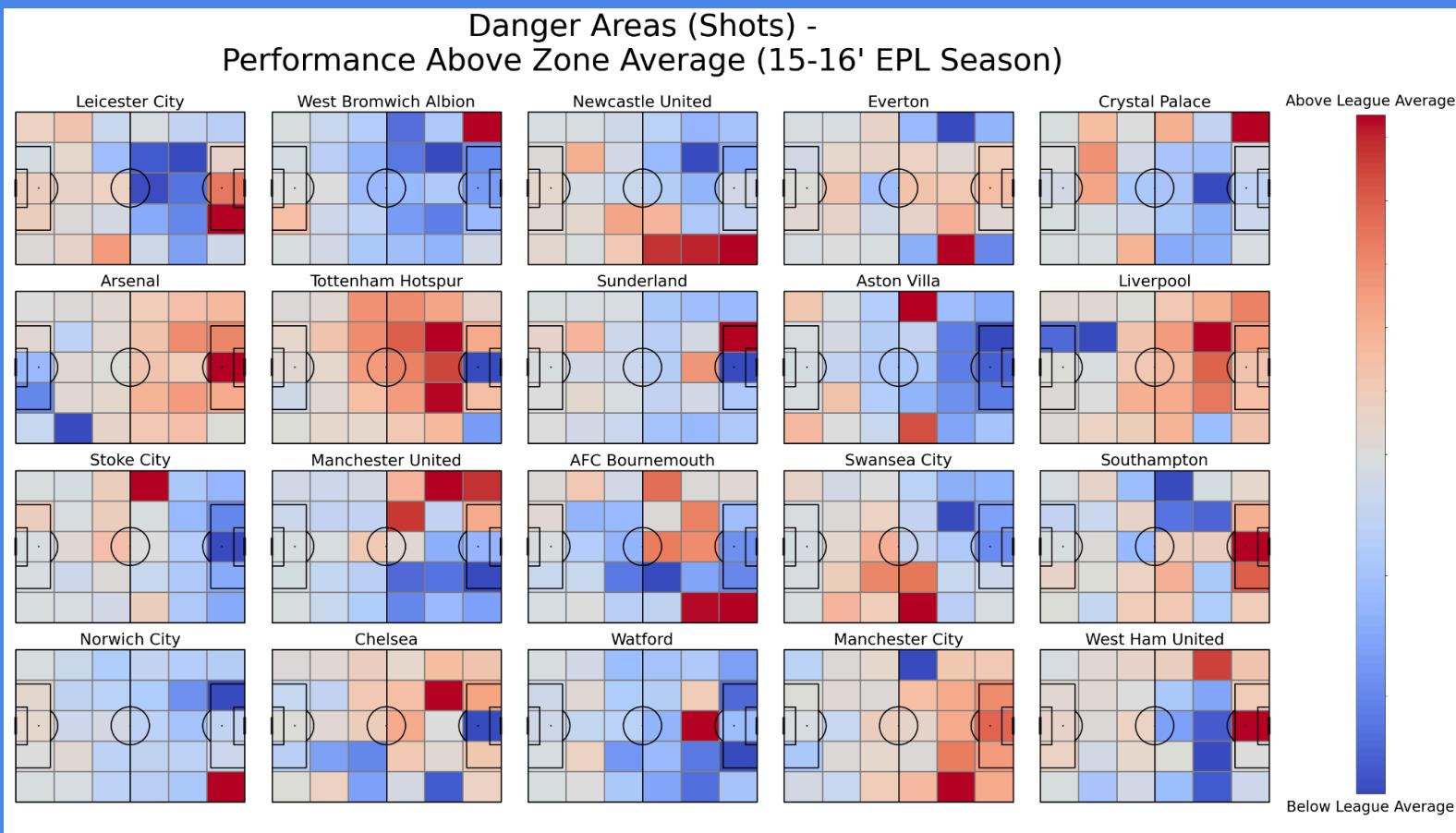


Figure 19:



To further understand how Leicester City found their success, I wanted to determine if they had attacking preferences or deliberate strategies to control the ball in certain areas of the pitch when in possession. This was done by creating a heatmap capturing the location where the ball was controlled 15 seconds prior to a shot. From this plot, we can see that Leicester City possessions were extremely likely to end in a shot when they had control of it in the attacking area closest to the opponents goal with a heavy bias on the right side. Interestingly, the team was not a major threat to shoot the ball when controlling the ball within the attacking midfield position. Instead, a shot was more likely when they had control of it within their own half, particularly the right side and their defensive third.

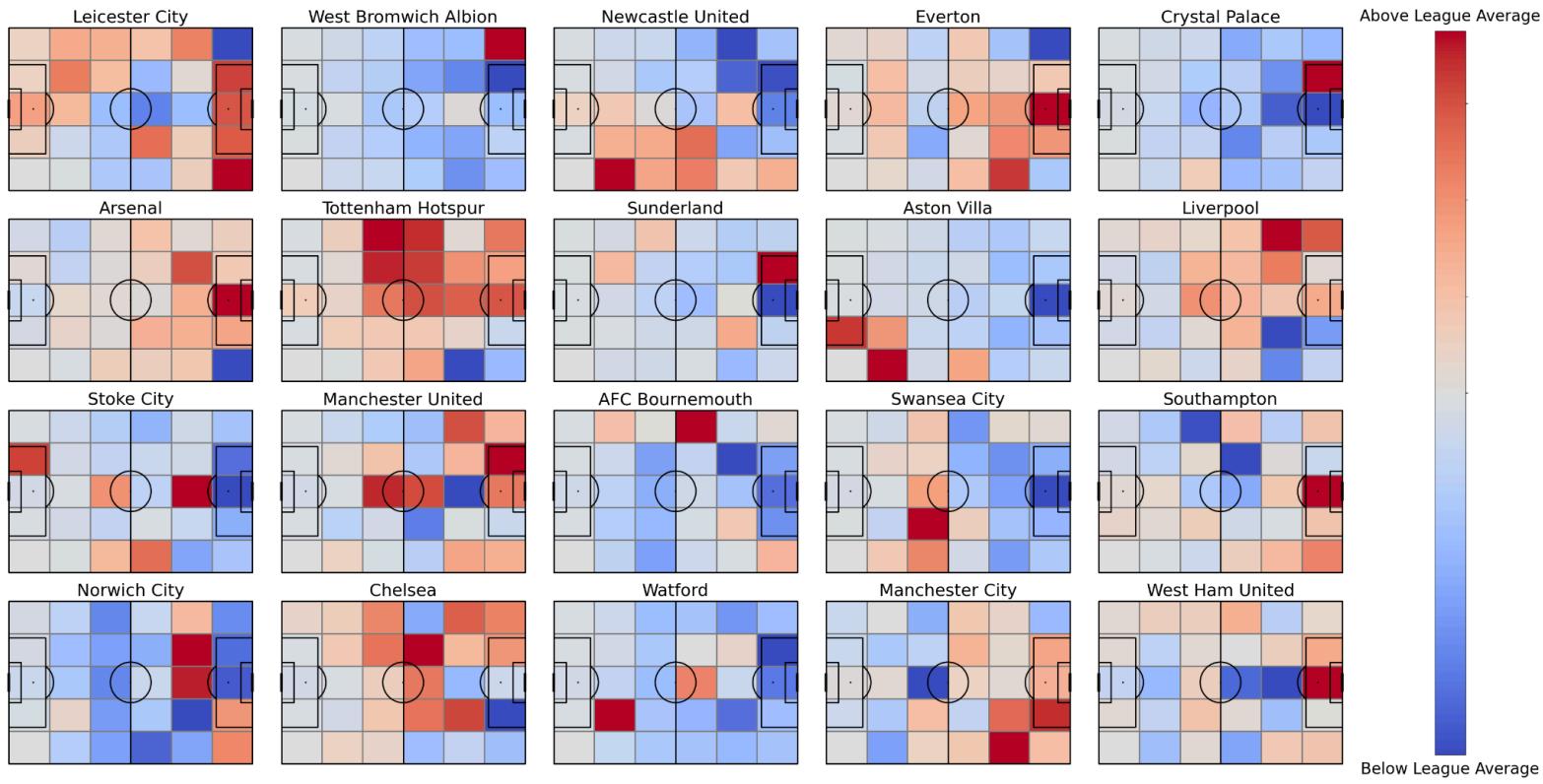
Figure 20:



Leicester City were most likely going to shoot the ball when they had control of it within the areas discussed above, but what about goals? Based on this heatmap, we can see that Leicester City were extremely dangerous when the ball was inside the penalty area and the area to the right of it. In fact, when Leicester City had possession of the ball within the area beside the right corner flag, it was given that they would create a deadly attacking play. They were the most dangerous team in the Premier League when they had possession in this area. The team also ranked above average on the left flank and within their own goalkeeper's penalty area. This made defending the Leicester City attack a nightmare for teams since they were dangerous from many different areas of the pitch.

Figure 21:

Danger Areas (Goals) - Performance Above Zone Average (15-16' EPL Season)



Final Third Entries

As you can probably guess, Leicester City ranked towards the bottom of the league in final third entries per game. They also ranked in the middle of the pack in final third entries against per game. When they got the ball into the opposition's final third, they were able to punish them. Conversely, when their opponents got the ball within their final third they would bend but not break as shown in the xGA back in Figure 8.

Figure 22:

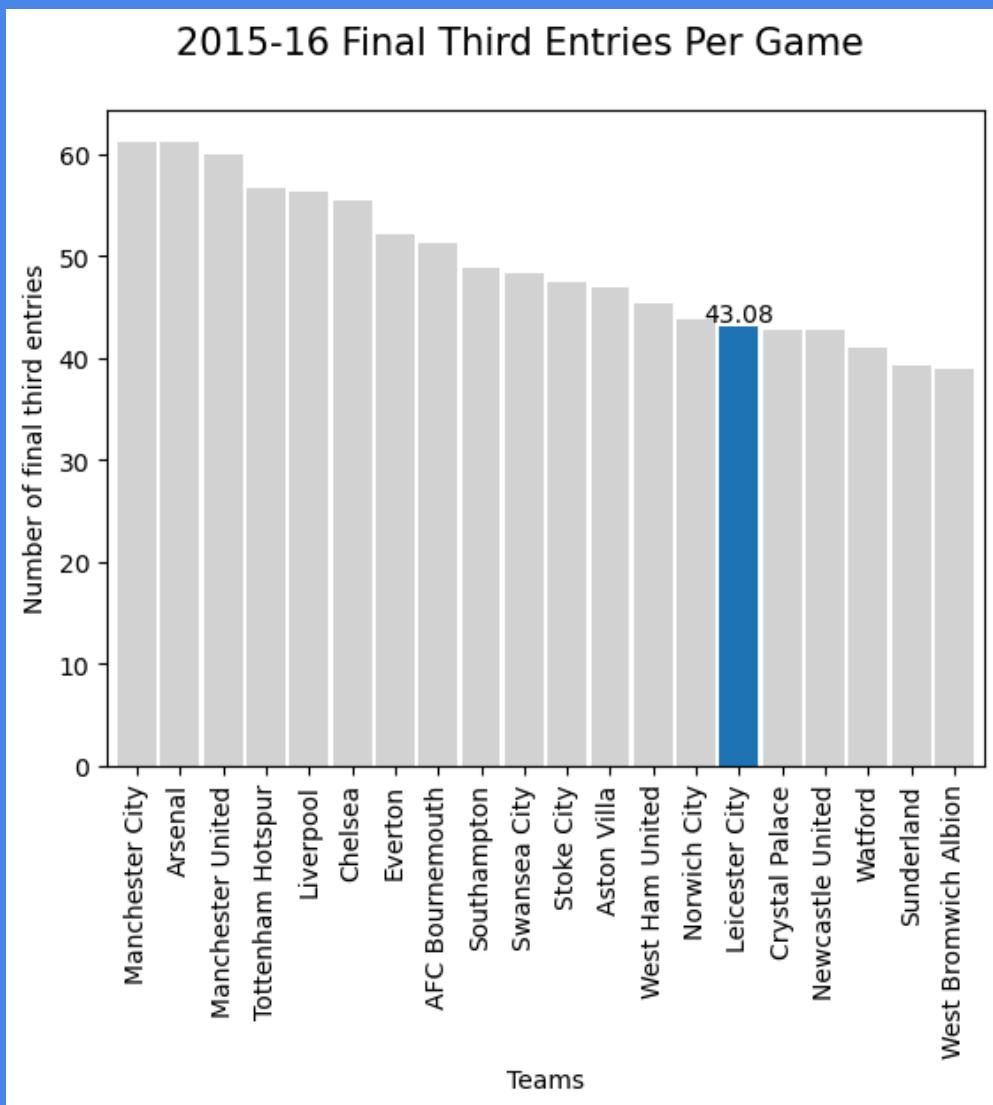
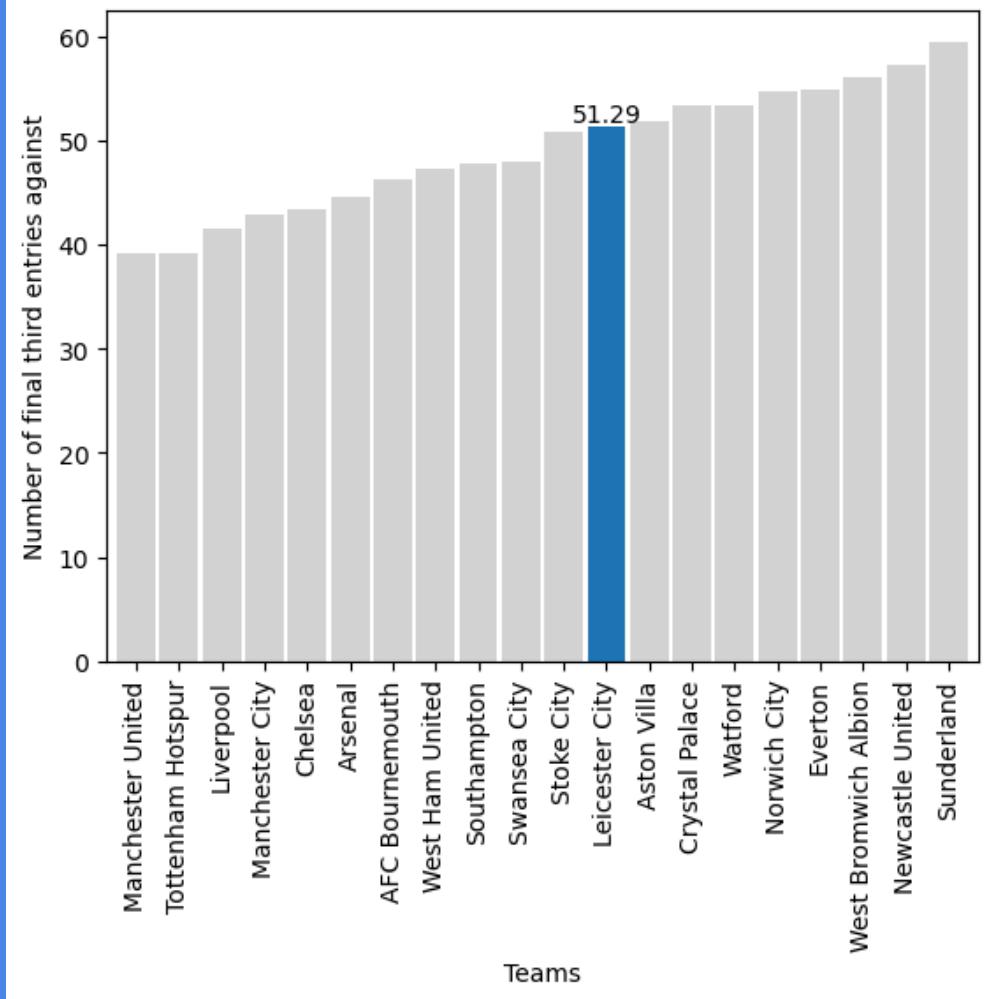


Figure 23:

2015-16 Final Third Entries Against Per Game



Patterns of Play

Now that the data was telling me that Leicester City played a direct style of football, I wanted to determine how most of their shots and goals came about. To do this, I looked at the play pattern for all of their shots and goals and compared them to the rest of the Premier League using a stacked bar chart. For shots, Leicester City has a similar profile to teams with similar shot attempts. Although, they did have more shots from penalty kicks and from counterattacks. By looking at the play pattern of their goals, the biggest observation is that Leicester City scored a much higher proportion of their goals from penalty kicks than any other club. In fact, that season, Leicester City scored 10 goals from the penalty spot while the club with the second highest mark was Norwich City with 6 goals from penalties. While there is certainly some luck involved in winning that many penalty kicks, it is also a positive outcome that results from playing a direct style of football. By sending direct balls and attackers towards the defending team's penalty area, the likelihood of winning a penalty kick increases drastically.

Another notable result was that Leicester City averaged one counterattack shot per game which is tied with the most in the Premier League. They also had the highest counterattack xG that season at 6.66. This means that Leicester City created the most dangerous chances from the counterattack in the EPL that season. Riyad Mahrez and Jamie Vardy were invaluable in these situations due to their ability to play at a high tempo, beat players off the dribble and convert their chances into goals.

Figure 24:

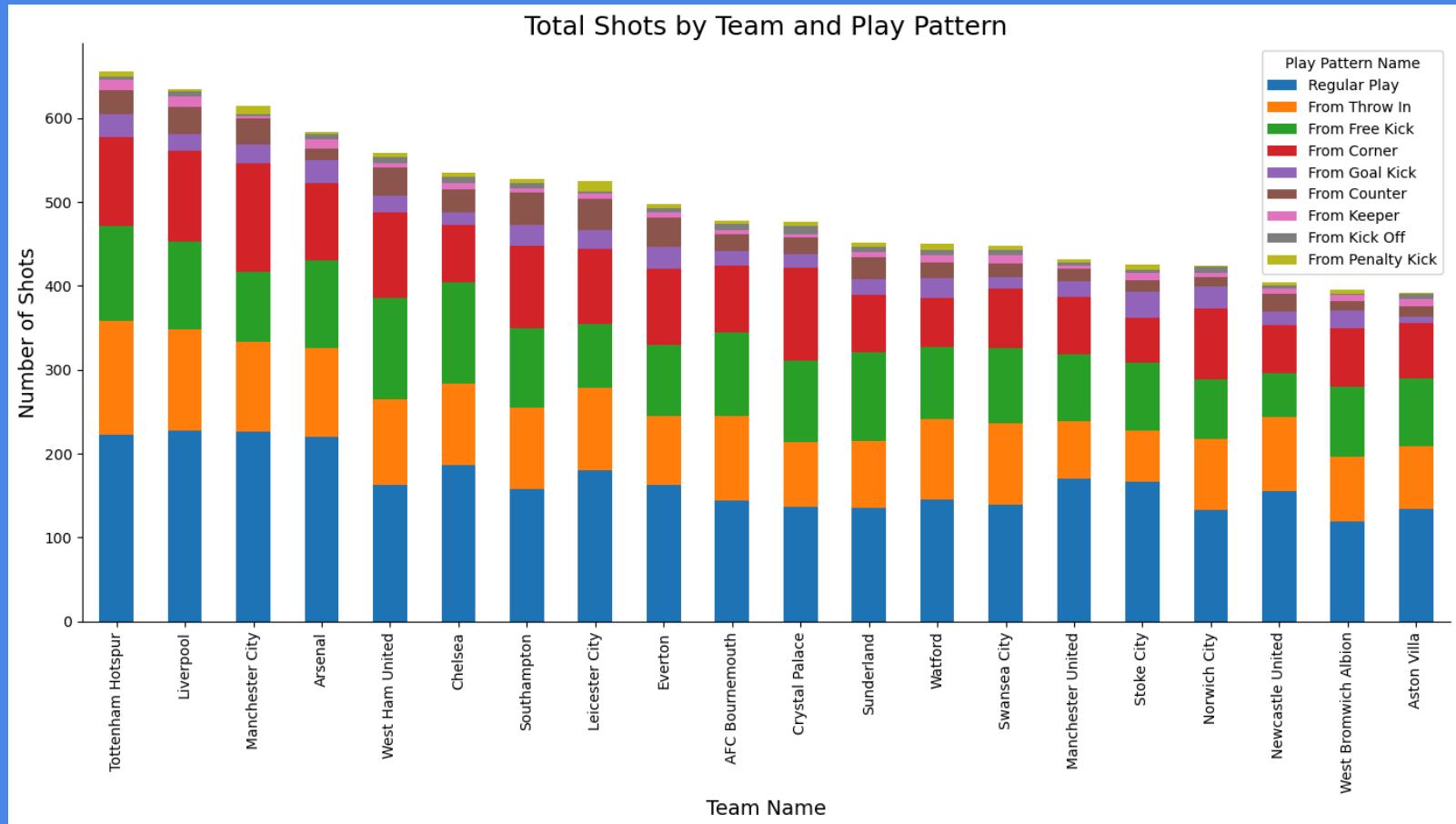


Figure 25:

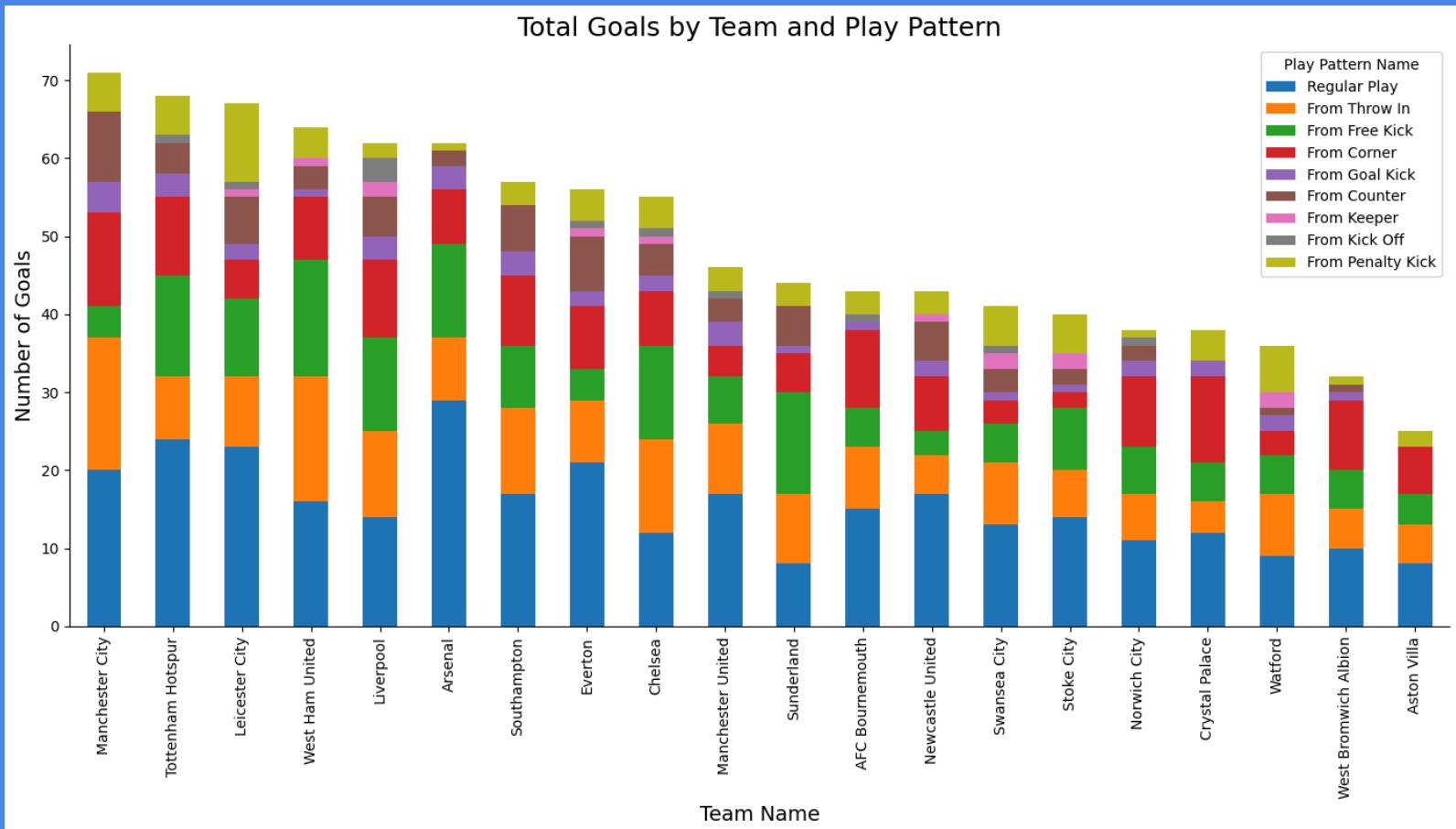
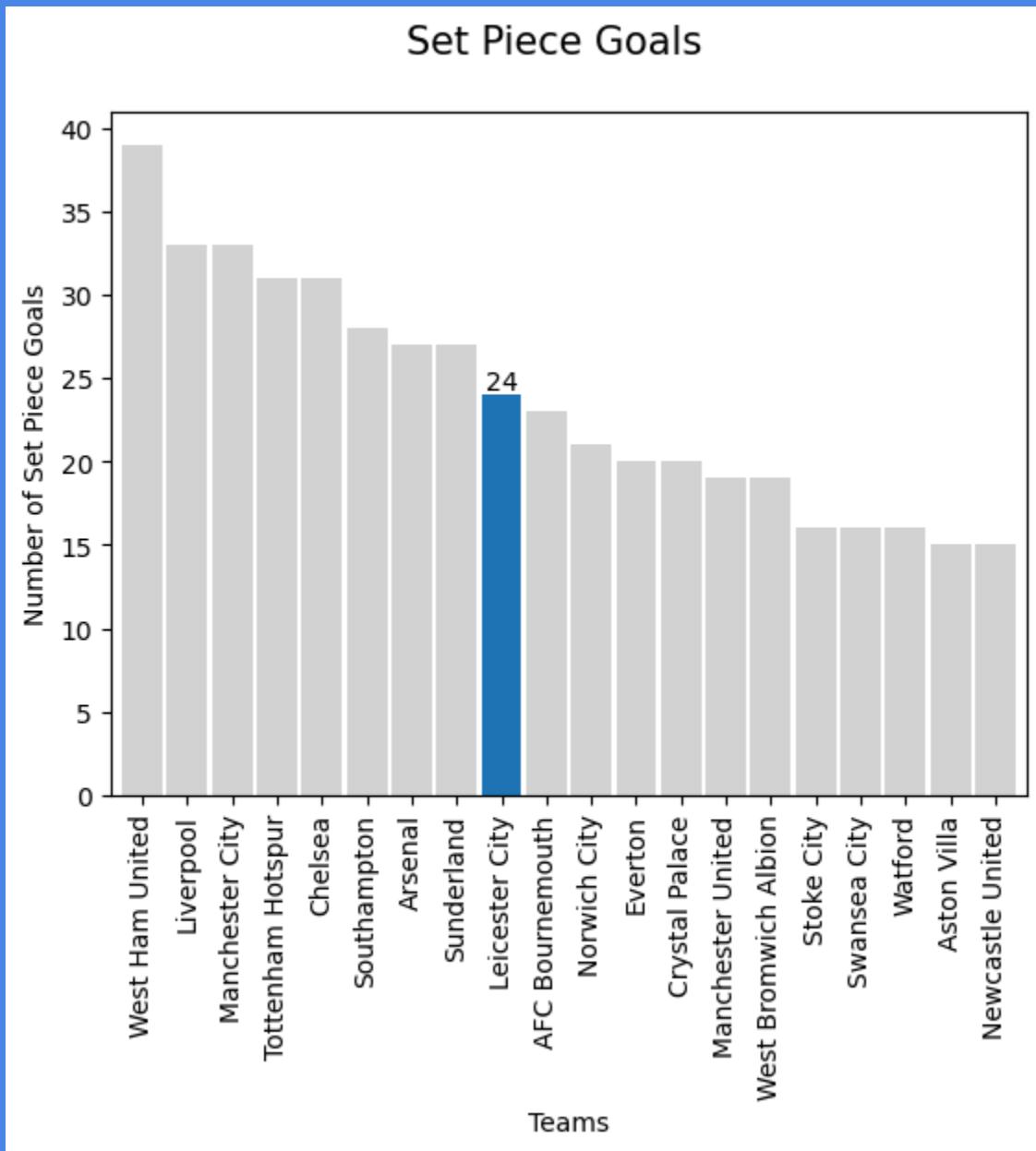


Figure 26:



Clustering Playstyles

To bring it all together, I decided to cluster the 20 teams in the EPL based on ball possession, short passes per game divided by long passes per game (SPPLBP), and non-penalty xG. This simple methodology was inspired by Amry Mahdy's article *Decoding Football Teams: Unveiling Playing Styles Through Clustering Analysis*.

I chose to categorize the teams into 4 clusters using the elbow method and reviewed the results to see if they made sense. The results from this cluster analysis were interesting as I was able to categorize the teams into 4 distinct archetypes. The first cluster group Cluster 0 is named the Bottom Dwellers. This group of teams rank poorly in possession, non-penalty xG, and SPPLBP. These teams often concede control of the game to their opponents who take the opportunities to create dangerous chances. Ranking poorly in all three areas indicates that the team is more often than not trying to survive waves of an opponent's attack without conceding. The low SPPLBP could indicate that the team is trying to catch their opponents on the counterattack with long balls. It could also indicate that they are trying to relieve immediate pressure by playing hopeful long balls. The teams within this cluster are Sunderland, West Bromwich Albion, Newcastle United, Crystal Palace, Aston Villa, Stoke City, Norwich City, and Watford.

Cluster 1 is named the Dominant Powerhouses. The teams in this group rank well in possession, non-penalty xG, and SPPLBP. In short, this group displays the characteristics of a typical title contender, teams that not only achieve results but command dominance of the game through controlled short passes, high possession, and dangerous chance creation. The teams in this cluster are Manchester City, Arsenal, Chelsea, Liverpool, and Tottenham.

Cluster 2 is named Long Ball Specialists. These teams have lower SPPLBP values but rank well in the non-penalty xG category. Leicester City

belong to this cluster along with Southampton and West Ham United. It is important to note that among these three teams, Leicester City had a significantly lower possession percentage.

Finally, Cluster 3 is named Short Passing Possession Based for self explanatory reasons. These teams rank well in SPPLBP and possession, although not quite at the level of the Dominant Powerhouses. They also underperform in the non-penalty xG statistic. These teams include Manchester United, Swansea City, and AFC Bournemouth.

Figure 27:

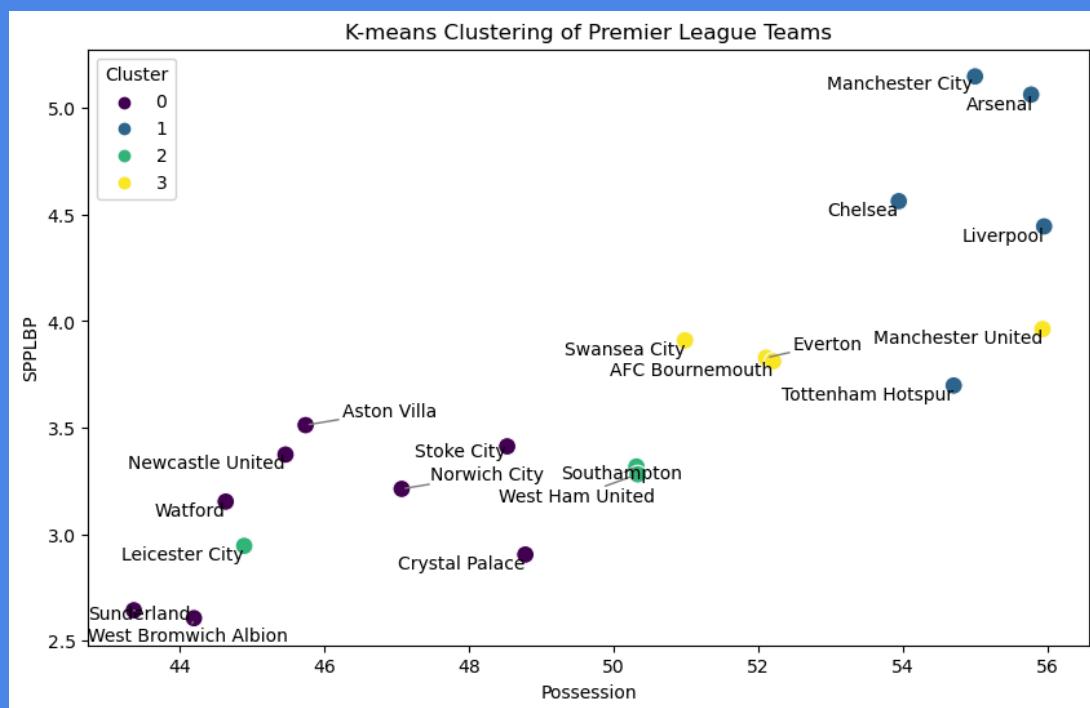


Table 3:

Team	Possession	SPPLBP	npxGD	Cluster	Cluster Name
Leicester City	44.896397	2.944851	13.097120	2	Long Ball Specialists
West Bromwich Albion	44.201728	2.605419	-9.287781	0	Bottom Dwellers
Newcastle United	45.466932	3.373601	-14.073631	0	Bottom Dwellers
Everton	52.108191	3.828190	-3.010160	3	Short Passing Possession Based
Crystal Palace	48.780781	2.904174	-11.201027	0	Bottom Dwellers
Arsenal	55.769844	5.063818	30.777940	1	Dominant Powerhouses
Tottenham Hotspur	54.699911	3.697950	24.444483	1	Dominant Powerhouses
Sunderland	43.371426	2.642535	-14.809058	0	Bottom Dwellers
Aston Villa	45.745087	3.511958	-27.712551	0	Bottom Dwellers
Liverpool	55.948688	4.444952	21.129583	1	Dominant Powerhouses
Stoke City	48.529901	3.412142	-14.867692	0	Bottom Dwellers
Manchester United	55.926966	3.962594	2.896339	3	Short Passing Possession Based
AFC Bournemouth	52.203869	3.811803	-4.785217	3	Short Passing Possession Based
Swansea City	50.986796	3.909917	-10.944113	3	Short Passing Possession Based
Southampton	50.315877	3.317418	12.122435	2	Long Ball Specialists
Norwich City	47.072415	3.212497	-13.462686	0	Bottom Dwellers
Chelsea	53.940996	4.563546	4.827552	1	Dominant Powerhouses
Watford	44.640985	3.152792	-8.546262	0	Bottom Dwellers
Manchester City	54.994350	5.149188	20.011621	1	Dominant Powerhouses
West Ham United	50.332996	3.281011	3.393102	2	Long Ball Specialists

Measuring on-ball Value Using xT

Undoubtedly, having an identity and committing to a playstyle contributes to good performances but in the end, it is the players on the field who ultimately determine the outcome of games. Thanks to advancements within soccer analytics over the past decade plus, we can quantify a player's on ball value using position-based xT and value added xT. Position-based xT is calculated by determining the probability of a shot being taken from an area of the pitch and multiplying this value by the probability of a goal given a shot from that specific location. This allows us to determine the value added of each pass and carry.

Based on this position-based xT, Danny Drinkwater made the list of the top 25 players in total xT that season. Marc Albrighton and Riyad Mahrez both made the top 25 in xT/action. This statistic takes the player's xT value and divides it by the total number of actions the player was involved in. Retrospectively, Riyad Mahrez is praised for being a key difference maker for this Leicester City side. He was rewarded with a major move to Manchester City and has had an amazing career after his Leicester City tenure. However, it cannot be understated how important the play of Danny Drinkwater and Marc Albrighton were for this team's success. I am glad this statistic shines the spotlight on these players who are often quick to be overlooked but were pivotal to Leicester City's success.

Table 4:

Top 25 Players by Total xT						
Player	Team	Total Minutes	Number of Actions	Total_xT	xT/90	xT/action
Francesc Fàbregas i Soler	Chelsea	3112.800000	2754	24.797315	0.716962	0.009004
Mesut Özil	Arsenal	3197.783333	2351	21.079706	0.593278	0.008966
Gareth Barry	Everton	3054.966667	2057	16.553076	0.487657	0.008047
Aaron Ramsey	Arsenal	2792.216667	2198	16.467876	0.530800	0.007492
Alexis Alejandro Sánchez Sánchez	Arsenal	2570.800000	1619	15.921436	0.557387	0.009834
Christian Dannemann Eriksen	Tottenham Hotspur	3102.983333	1882	14.516561	0.421043	0.007713
Danny Drinkwater	Leicester City	3237.683333	2007	14.130082	0.392783	0.007040
Mark Noble	West Ham United	3438.200000	1901	14.079931	0.368563	0.007407
Daley Blind	Manchester United	3304.716667	2028	14.049056	0.382609	0.006928
Fernando Luiz Rosa	Manchester City	2915.100000	1900	13.897869	0.429079	0.007315
Andrew Surman	AFC Bournemouth	3670.416667	2264	13.854416	0.339716	0.006119
David Josué Jiménez Silva	Manchester City	1884.116667	1446	13.616047	0.650408	0.009416
Steven Davis	Southampton	2762.650000	1536	13.194564	0.429845	0.008590
Ross Barkley	Everton	3267.683333	1935	12.940261	0.356406	0.006687
Eden Hazard	Chelsea	2368.400000	1543	12.847463	0.488208	0.008326
Juan Manuel Mata García	Manchester United	3117.800000	1867	12.701684	0.366653	0.006803
Willian Borges da Silva	Chelsea	2924.300000	1616	12.598897	0.387751	0.007796
Gnélgnéri Yaya Touré	Manchester City	2465.850000	1866	12.586485	0.459389	0.006745
Eric Dier	Tottenham Hotspur	3463.100000	2072	12.563274	0.326498	0.006063
Dimitri Payet	West Ham United	2758.933333	1424	12.406193	0.404706	0.008712
Toby Alderweireld	Tottenham Hotspur	3639.100000	2060	12.360895	0.305702	0.006000
Simon Francis	AFC Bournemouth	3670.416667	2187	12.260710	0.300637	0.005606
Yann Gérard M'Vila	Sunderland	3422.550000	1744	12.242862	0.321941	0.007020
Aaron Cresswell	West Ham United	3575.000000	1535	12.205287	0.307266	0.007951
Michael Carrick	Manchester United	2098.600000	1541	12.032158	0.516008	0.007808

Table 5:

Top 25 Players by xT/90							
Player	Team	Total Minutes	Number of Actions	Total_xT	xT/90	xT/action	
Santiago Cazorla González	Arsenal	1381.066667	1254	11.268518	0.734336	0.008986	
Francesc Fàbregas i Soler	Chelsea	3112.800000	2754	24.797315	0.716962	0.009004	
David Josué Jiménez Silva	Manchester City	1884.116667	1446	13.616047	0.650408	0.009416	
Mesut Özil	Arsenal	3197.783333	2351	21.079706	0.593278	0.008966	
Alexis Alejandro Sánchez Sánchez	Arsenal	2570.800000	1619	15.921436	0.557387	0.009834	
Aaron Ramsey	Arsenal	2792.216667	2198	16.467876	0.530800	0.007492	
Bastian Schweinsteiger	Manchester United	1271.866667	1081	7.329938	0.518682	0.006781	
Michael Carrick	Manchester United	2098.600000	1541	12.032158	0.516008	0.007808	
Jordan Brian Henderson	Liverpool	1374.316667	971	7.774314	0.509117	0.008007	
Eden Hazard	Chelsea	2368.400000	1543	12.847463	0.488208	0.008326	
Gareth Barry	Everton	3054.966667	2057	16.553076	0.487657	0.008047	
Philippe Coutinho Correia	Liverpool	2157.866667	1171	11.488990	0.479181	0.009811	
Samir Nasri	Manchester City	583.300000	437	3.070520	0.473764	0.007026	
Mohamed Naser Elsayed Elneny	Arsenal	837.733333	731	4.367029	0.469162	0.005974	
Gnélénéri Yaya Touré	Manchester City	2465.850000	1866	12.586485	0.459389	0.006745	
Harry Arter	AFC Bournemouth	1737.216667	1061	8.532551	0.442046	0.008042	
Kevin De Bruyne	Manchester City	2131.950000	1260	10.450839	0.441181	0.008294	
Dušan Tadić	Southampton	2406.750000	1084	11.655395	0.435851	0.010752	
Steven Davis	Southampton	2762.650000	1536	13.194564	0.429845	0.008590	
Fernando Luiz Rosa	Manchester City	2915.100000	1900	13.897869	0.429079	0.007315	
Christian Dannemann Eriksen	Tottenham Hotspur	3102.983333	1882	14.516561	0.421043	0.007713	
James Philip Milner	Liverpool	2594.316667	1431	11.885812	0.412333	0.008306	
Alex Iwobi	Arsenal	660.533333	390	2.996562	0.408292	0.007683	
Jonjo Shelvey	Swansea City/Newcastle United	2415.316667	1483	10.873928	0.405186	0.007332	
Dimitri Payet	West Ham United	2758.933333	1424	12.406193	0.404706	0.008712	

Table 6:

Top 25 Players by xT/action							
Player	Team	Total Minutes	Number of Actions	Total_xT	xT/90	xT/action	
Dušan Tadić	Southampton	2406.750000	1084	11.655395	0.435851	0.010752	
Alexis Alejandro Sánchez Sánchez	Arsenal	2570.800000	1619	15.921436	0.557387	0.009834	
Philippe Coutinho Correia	Liverpool	2157.866667	1171	11.488990	0.479181	0.009811	
David Josué Jiménez Silva	Manchester City	1884.116667	1446	13.616047	0.650408	0.009416	
Marc Albrighton	Leicester City	2904.283333	1165	10.659122	0.330312	0.009149	
Adam Johnson	Sunderland	1241.566667	575	5.231043	0.379193	0.009097	
Francesc Fàbregas i Soler	Chelsea	3112.800000	2754	24.797315	0.716962	0.009004	
Santiago Cazorla González	Arsenal	1381.066667	1254	11.268518	0.734336	0.008986	
Mesut Özil	Arsenal	3197.783333	2351	21.079706	0.593278	0.008966	
Riyad Mahrez	Leicester City	3174.633333	1280	11.426692	0.323944	0.008927	
Wilfried Zaha	Crystal Palace	2647.316667	862	7.528027	0.255928	0.008733	
Gerard Deulofeu Lázaro	Everton	1483.383333	695	6.056657	0.367470	0.008715	
Dimitri Payet	West Ham United	2758.933333	1424	12.406193	0.404706	0.008712	
Rhu-endly Martina	Southampton	1165.100000	466	4.043612	0.312355	0.008677	
Steven Davis	Southampton	2762.650000	1536	13.194564	0.429845	0.008590	
Eden Hazard	Chelsea	2368.400000	1543	12.847463	0.488208	0.008326	
Chris Brunt	West Bromwich Albion	1918.333333	647	5.386750	0.252723	0.008326	
James Philip Milner	Liverpool	2594.316667	1431	11.885812	0.412333	0.008306	
Kevin De Bruyne	Manchester City	2131.950000	1260	10.450839	0.441181	0.008294	
Jan Kirchhoff	Sunderland	1132.266667	575	4.643905	0.369128	0.008076	
Gareth Barry	Everton	3054.966667	2057	16.553076	0.487657	0.008047	
Harry Arter	AFC Bournemouth	1737.216667	1061	8.532551	0.442046	0.008042	
Jordan Brian Henderson	Liverpool	1374.316667	971	7.774314	0.509117	0.008007	
Wes Hoolahan	Norwich City	2093.966667	1171	9.325950	0.400835	0.007964	
Daniel Nii Tackie Mensah Welbeck	Arsenal	606.633333	170	1.352507	0.200658	0.007956	

Before proceeding, I must give a proper acknowledgement to Sarah Rudd who presented her xT statistic at the 2011 MIT Sloan Sports Analytics Conference. This statistic was derived by using Markov Chains in possession. Her analysis paved the way for the creation of action-based xT which is able to assign a value to each play within a possession chain.

Since the statistic is using possessions that end in a shot, the top 25 players on these lists will naturally be filled with forwards. In fact, every player who is on the three lists played in an attacking role at some point during this season. For this reason, I believe that action-based xT is a good measure for attacking players and not so much for midfielders and defenders. The players that stand out from Leicester City are Jamie Vardy, Riyad Mahrez, Shinji Okazaki, and Jose Ulloa. These players all stepped up to provide major contributions for a Leicester City attack that scored the third most goals in the Premier League that season. Jamie Vardy appears on all three lists which indicates how potent and reliable he was for Leicester City's attacking success.

Table 7:

Top 25 Players by Total_xT								
Player	Team	Position	Total Minutes	Number of Actions	Total_xT	xT/90	xT/action	
Harry Kane	Tottenham Hotspur	Forward	3556.566667	314	17.628891	0.446104	0.056143	
Jamie Vardy	Leicester City	Forward	3379.616667	247	17.466217	0.465130	0.070713	
Odion Jude Ighalo	Watford	Forward/Midfielder	3339.850000	222	16.806783	0.452898	0.075706	
Romelu Lukaku Menama	Everton	Forward	3388.516667	257	16.552805	0.439647	0.064408	
Sergio Leonel Agüero del Castillo	Manchester City	Forward	2482.533333	191	13.733297	0.497877	0.071902	
Jermain Defoe	Sunderland	Forward/Midfielder	2742.966667	157	12.400362	0.406871	0.078983	
Olivier Giroud	Arsenal	Forward	2593.000000	229	12.111880	0.420389	0.052890	
Diego da Silva Costa	Chelsea	Forward	2541.766667	179	11.793748	0.417598	0.065887	
Sadio Mané	Southampton	Forward/Midfielder	2755.616667	232	11.234742	0.366933	0.048426	
Alexis Alejandro Sánchez Sánchez	Arsenal	Forward	2570.800000	294	11.190849	0.391775	0.038064	
Aleksandar Mitrović	Newcastle United	Forward/Midfielder	2369.350000	191	10.255506	0.389556	0.053694	
Christian Benteke Liolo	Liverpool	Forward/Midfielder	1667.000000	142	10.179551	0.549586	0.071687	
Marko Arnautović	Stoke City	Forward/Midfielder	2976.866667	252	8.648440	0.261469	0.034319	
Bamidele Alli	Tottenham Hotspur	Forward/Midfielder	2581.650000	236	8.322819	0.290145	0.035266	
José Salomón Rondón Giménez	West Bromwich Albion	Forward/Midfielder	2712.900000	187	8.215272	0.272540	0.043932	
Shane Long	Southampton	Forward/Midfielder	2263.250000	156	7.956280	0.316388	0.051002	
Graziano Pellè	Southampton	Forward/Midfielder	2342.966667	210	7.659532	0.294224	0.036474	
André Ayew Pelé	Swansea City	Forward/Midfielder	3093.750000	231	7.561902	0.219983	0.032736	
Riyad Mahrez	Leicester City	Forward/Midfielder	3174.633333	242	7.419358	0.210337	0.030659	
Aaron Ramsey	Arsenal	Forward/Midfielder	2792.216667	343	7.373328	0.237660	0.021497	
Diafra Sakho	West Ham United	Forward/Midfielder	1618.983333	109	7.327376	0.407332	0.067224	
Roberto Firmino Barbosa de Oliveira	Liverpool	Forward/Midfielder	2101.616667	208	7.313159	0.313180	0.035159	
Cameron Jerome	Norwich City	Forward/Midfielder	1907.450000	117	7.278571	0.343428	0.062210	
Shinji Okazaki	Leicester City	Forward/Midfielder	2174.183333	155	7.100457	0.293922	0.045809	
Philippe Coutinho Correia	Liverpool	Forward/Midfielder	2157.866667	261	7.051403	0.294099	0.027017	

Table 8:

Top 25 Players by xT/90

Player	Team	Position	Total Minutes	Number of Actions	Total_xT	xT/90	xT/action
Christian Benteke Liolo	Liverpool	Forward/Midfielder	1667.000000	142	10.179551	0.549586	0.071687
Kelechi Promise Iheanacho	Manchester City	Forward/Midfielder	853.516667	71	5.031806	0.530584	0.070871
Sergio Leonel Agüero del Castillo	Manchester City	Forward	2482.533333	191	13.733297	0.497877	0.071902
Jamie Vardy	Leicester City	Forward	3379.616667	247	17.466217	0.465130	0.070713
José Leonardo Ulloa	Leicester City	Defender/Forward/Midfielder	1089.316667	124	5.624830	0.464727	0.045362
Odion Jude Ighalo	Watford	Forward/Midfielder	3339.850000	222	16.806783	0.452898	0.075706
Daniel Nii Tackie Mensah Welbeck	Arsenal	Forward/Midfielder	606.633333	41	3.019849	0.448024	0.073655
Harry Kane	Tottenham Hotspur	Forward	3556.566667	314	17.628891	0.446104	0.056143
Daniel Andre Sturridge	Liverpool	Forward	1042.983333	90	5.109448	0.440899	0.056772
Wilfried Guemland Bony	Manchester City	Forward/Midfielder	1318.166667	102	6.444377	0.440000	0.063180
Romelu Lukaku Menama	Everton	Forward	3388.516667	257	16.552805	0.439647	0.064408
Olivier Giroud	Arsenal	Forward	2593.000000	229	12.111880	0.420389	0.052890
Diego da Silva Costa	Chelsea	Forward	2541.766667	179	11.793748	0.417598	0.065887
Diafra Sakho	West Ham United	Forward/Midfielder	1618.983333	109	7.327376	0.407332	0.067224
Jermain Defoe	Sunderland	Forward/Midfielder	2742.966667	157	12.400362	0.406871	0.078983
Theo Walcott	Arsenal	Forward	1459.150000	87	6.566711	0.405033	0.075479
Alexis Alejandro Sánchez Sánchez	Arsenal	Forward	2570.800000	294	11.190849	0.391775	0.038064
Glenn Murray	AFC Bournemouth/Crystal Palace	Forward/Midfielder	888.416667	55	3.847536	0.389770	0.069955
Aleksandar Mitrović	Newcastle United	Forward/Midfielder	2369.350000	191	10.255506	0.389556	0.053694
Sadio Mané	Southampton	Forward/Midfielder	2755.616667	232	11.234742	0.366933	0.048426
Alberto Paloschi	Swansea City	Forward/Midfielder	703.300000	46	2.838146	0.363192	0.061699
Cameron Jerome	Norwich City	Forward/Midfielder	1907.450000	117	7.278571	0.343428	0.062210
Bafétimbi Gomis	Swansea City	Forward/Midfielder	1847.516667	139	6.791260	0.330830	0.048858
Shane Long	Southampton	Forward/Midfielder	2263.250000	156	7.956280	0.316388	0.051002
Dwight Gayle	Crystal Palace	Forward/Midfielder	883.183333	44	3.100334	0.315937	0.070462

Table 9:

Top 25 Players by xT/action

Player	Team	Position	Total Minutes	Number of Actions	Total_xT	xT/90	xT/action
Jermain Defoe	Sunderland	Forward/Midfielder	2742.966667	157	12.400362	0.406871	0.078983
Odion Jude Ighalo	Watford	Forward/Midfielder	3339.850000	222	16.806783	0.452898	0.075706
Theo Walcott	Arsenal	Forward	1459.150000	87	6.566711	0.405033	0.075479
Daniel Nii Tackie Mensah Welbeck	Arsenal	Forward/Midfielder	606.633333	41	3.019849	0.448024	0.073655
Callum Wilson	AFC Bournemouth	Forward	827.200000	34	2.488626	0.270764	0.073195
Emmanuel Emenike	West Ham United	Defender/Forward/Midfielder	566.800000	25	1.808954	0.287237	0.072358
Sergio Leonel Agüero del Castillo	Manchester City	Forward	2482.533333	191	13.733297	0.497877	0.071902
Christian Benteke Liolo	Liverpool	Forward/Midfielder	1667.000000	142	10.179551	0.549586	0.071687
Kelechi Promise Iheanacho	Manchester City	Forward/Midfielder	853.516667	71	5.031806	0.530584	0.070871
Jamie Vardy	Leicester City	Forward	3379.616667	247	17.466217	0.465130	0.070713
Dwight Gayle	Crystal Palace	Forward/Midfielder	883.183333	44	3.100334	0.315937	0.070462
Glenn Murray	AFC Bournemouth/Crystal Palace	Forward/Midfielder	888.416667	55	3.847536	0.389770	0.069955
Diafra Sakho	West Ham United	Forward/Midfielder	1618.983333	109	7.327376	0.407332	0.067224
Diego da Silva Costa	Chelsea	Forward	2541.766667	179	11.793748	0.417598	0.065887
Romelu Lukaku Menama	Everton	Forward	3388.516667	257	16.552805	0.439647	0.064408
Wilfried Guemiand Bony	Manchester City	Forward/Midfielder	1318.166667	102	6.444377	0.440000	0.063180
Cameron Jerome	Norwich City	Forward/Midfielder	1907.450000	117	7.278571	0.343428	0.062210
Mame Biram Diouf	Stoke City	Defender/Forward/Midfielder	1391.850000	78	4.817695	0.311522	0.061765
Alberto Paloschi	Swansea City	Forward/Midfielder	703.300000	46	2.838146	0.363192	0.061699
Daniel Andre Sturridge	Liverpool	Forward	1042.983333	90	5.109448	0.440899	0.056772
Dieumerci Mbokani Bezua	Norwich City	Forward/Midfielder	1730.616667	107	6.013599	0.312735	0.056202
Harry Kane	Tottenham Hotspur	Forward	3556.566667	314	17.628891	0.446104	0.056143
Aleksandar Mitrović	Newcastle United	Forward/Midfielder	2369.350000	191	10.255506	0.389556	0.053694
Olivier Giroud	Arsenal	Forward	2593.000000	229	12.111880	0.420389	0.052890
Enner Remberto Valencia Lastra	West Ham United	Forward/Midfielder	1127.033333	69	3.552482	0.283686	0.051485

Pressure

The next section of my analysis is focused on the defensive side of the ball. It is in this area of the game where I believe that Leicester City excelled the most. To play a direct style of football with this much success you need to be able to consistently thwart the opposition's attack time and time again, especially when your team ranks in the bottom 5 in ball possession.

The first statistic that I measure within this section is pressure. All football fans know that it is much easier to create offense when you are given time and space. Pressure forces the attacking team into more challenging positions, can stymie attempts at playing dangerous passes, and force mistakes that give the ball away and create counterattacking opportunities. Leicester City were the third best team in total team pressures, only trailing Liverpool and Aston Villa.

Midfielders Danny Drinkwater and N'Golo Kanté led the team in pressures by a wide margin. Both players averaged between 21-24 pressures per game which was about 5 more pressures per game than the next highest player Marc Albrighton. Those three players mentioned finished within the top 25 players by total pressure count with Kanté and Drinkwater also finishing in the top 25 for pressures per 90.

Of course, it is not simply enough to measure team and individual pressure counts. I wanted to determine which locations Leicester City pressured the most. I once again created a heatmap to visualize this and it is apparent that Leicester City pressured the opposing players the most when they had the ball on the flanks within the midfield and the attacking third of the field. Of course, this heatmap only takes into account the total pressure numbers. It does not normalize for locations which are more prone to pressures such as the area in front of goal. In Figure 33, I created a heatmap for all 20 Premier League teams where each bin is normalized based on the league average for each bin. This heatmap provides an

accurate visualization of where each team pressured the ball compared to the other teams in the league. We can see from this display that Leicester City pressured the ball frequently near the 4 corner flags, particularly the left defending corner flag. As we would expect, the team also ranked above average in all three bins on the flanks. This shows that Leicester City were opportunistically pressuring the ball in all three areas of the pitch. And if the ball was close to either touchline, they were a good bet to pressure the ball.

Figure 28:

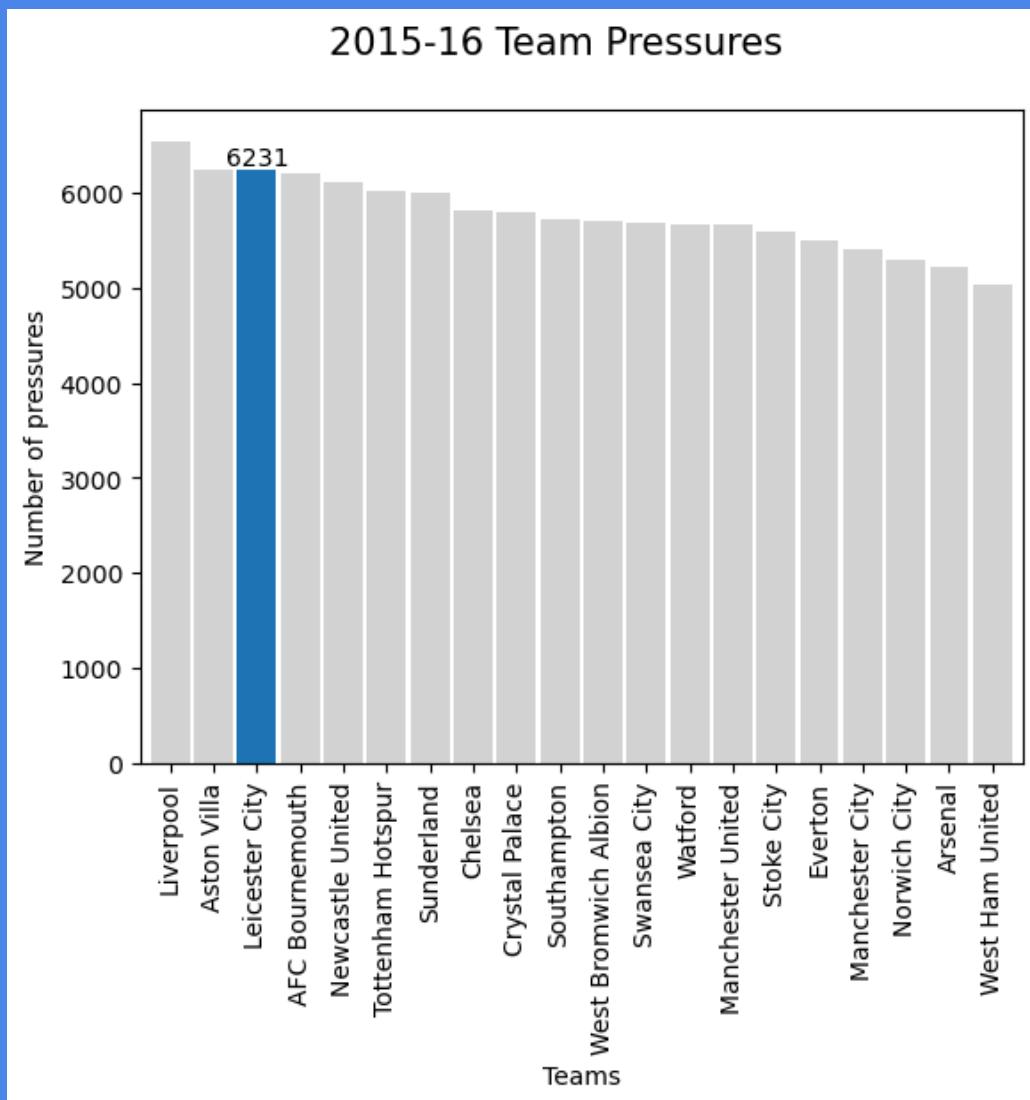


Figure 29:

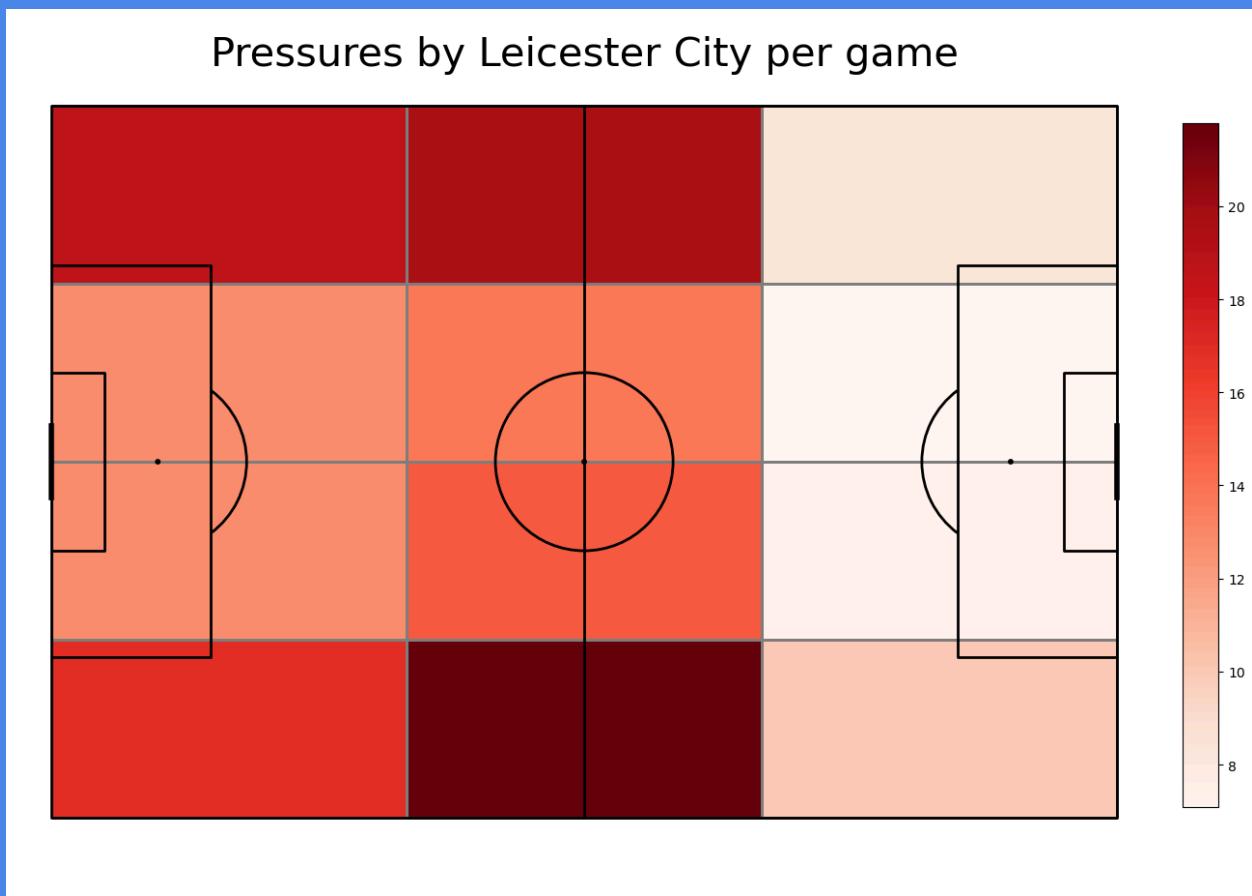


Figure 30:

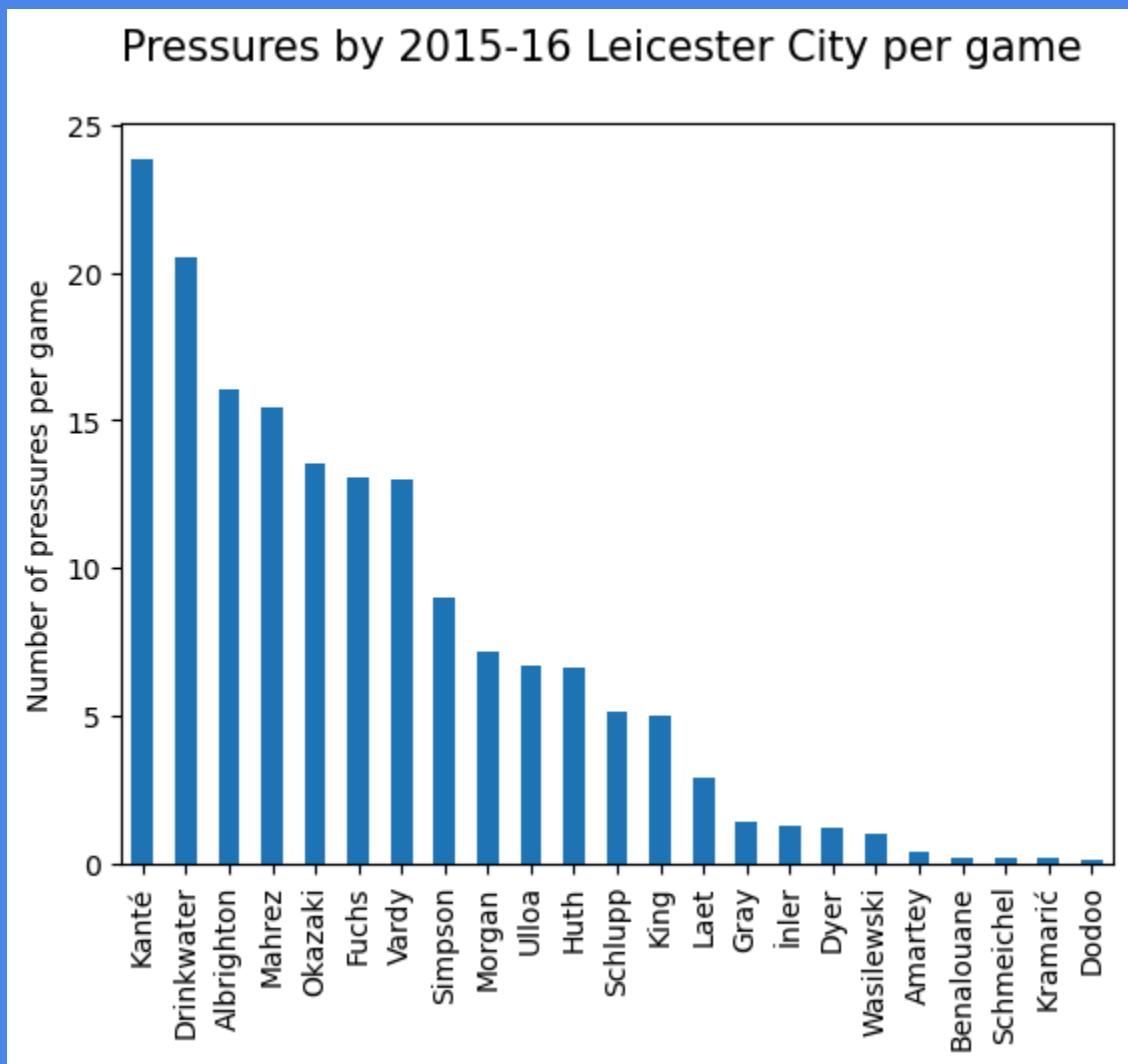


Figure 31:

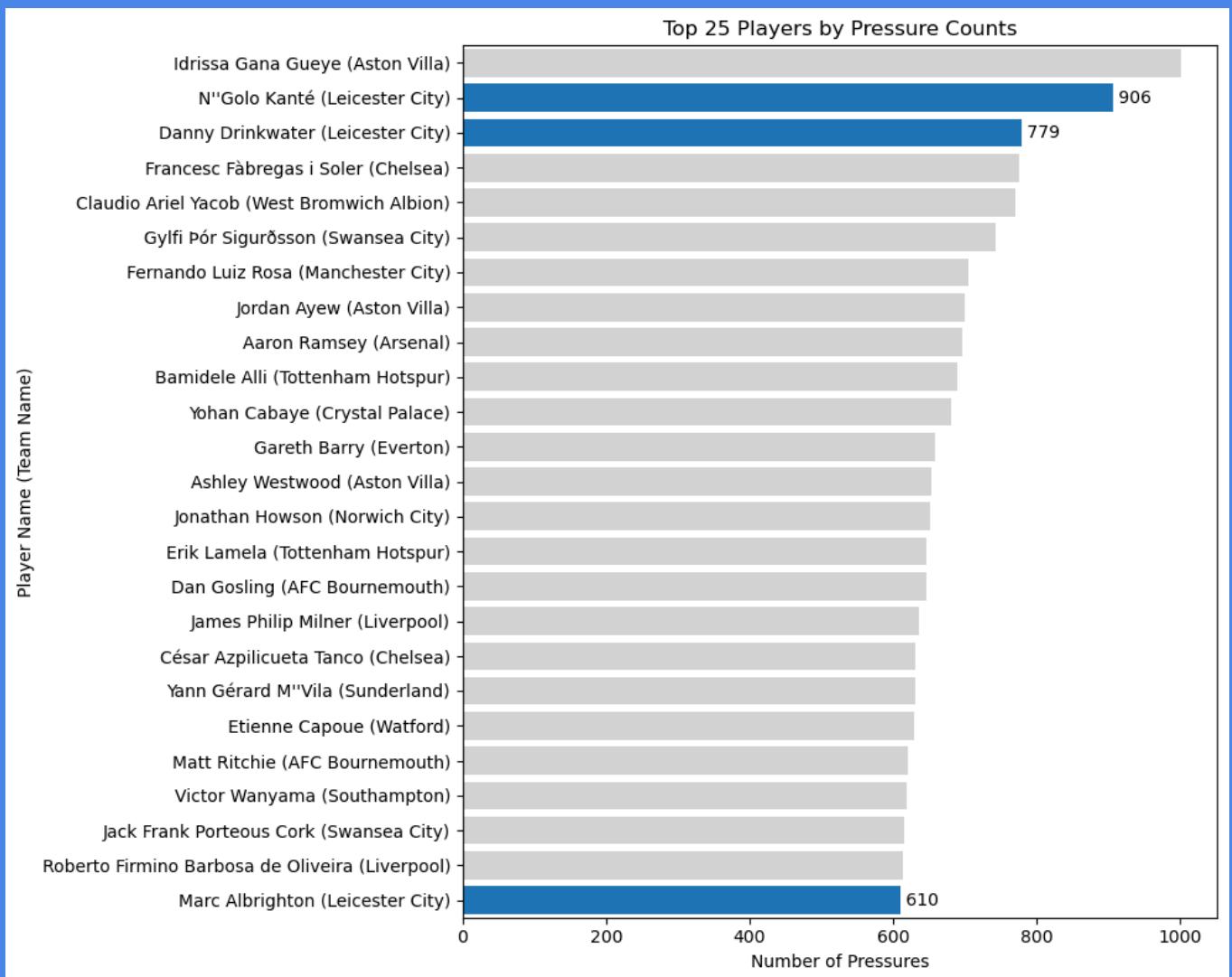


Figure 32:

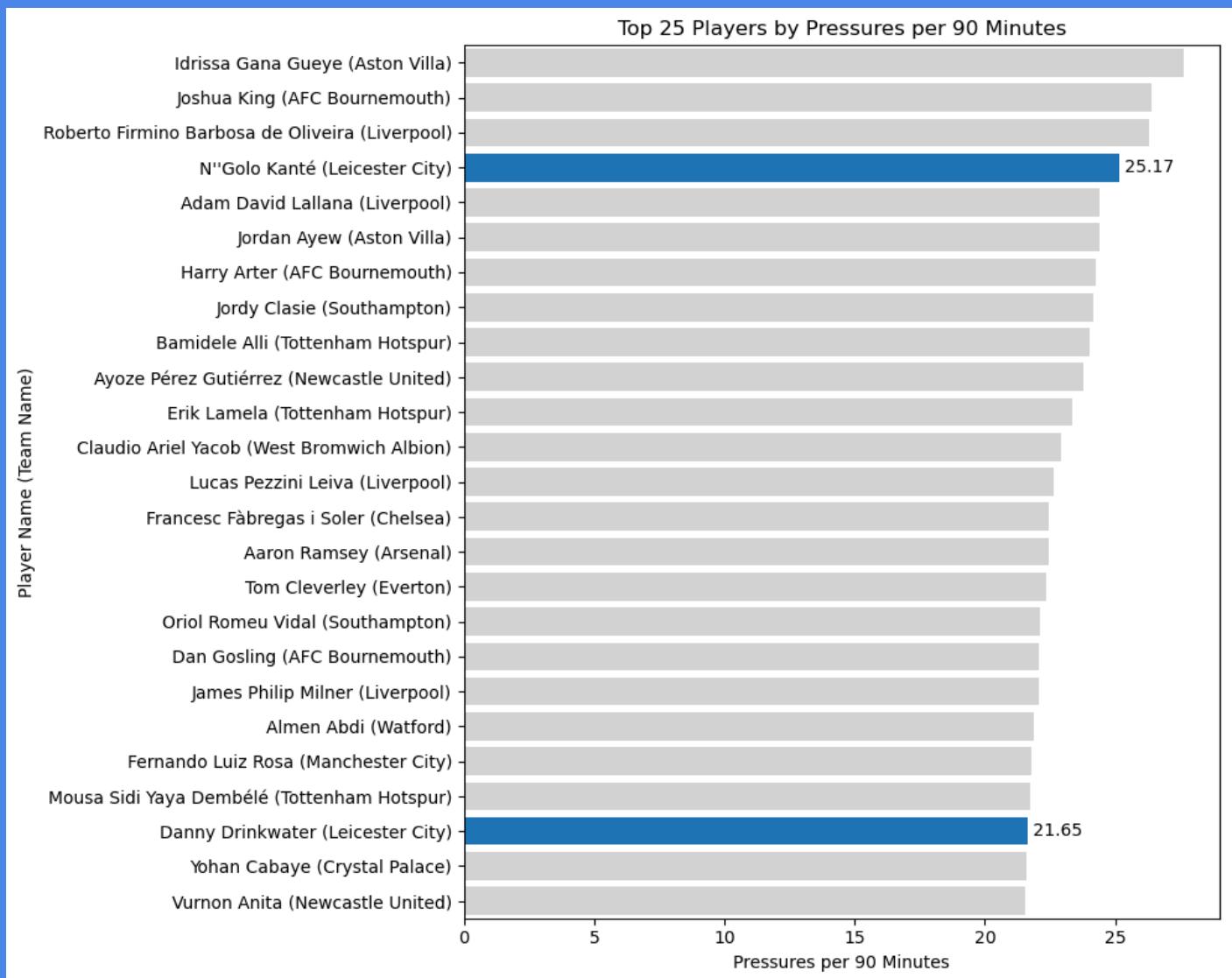
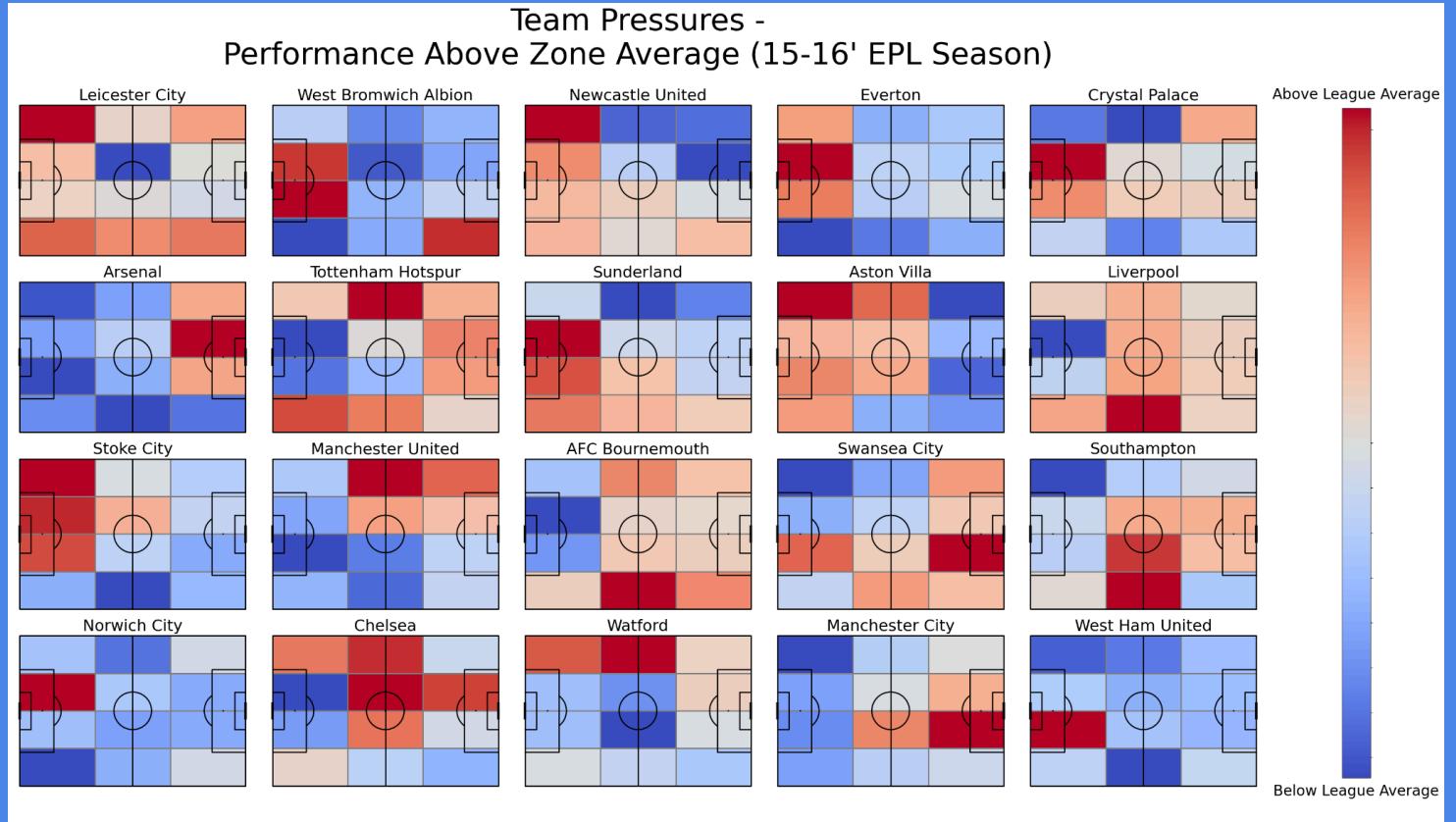


Figure 33:



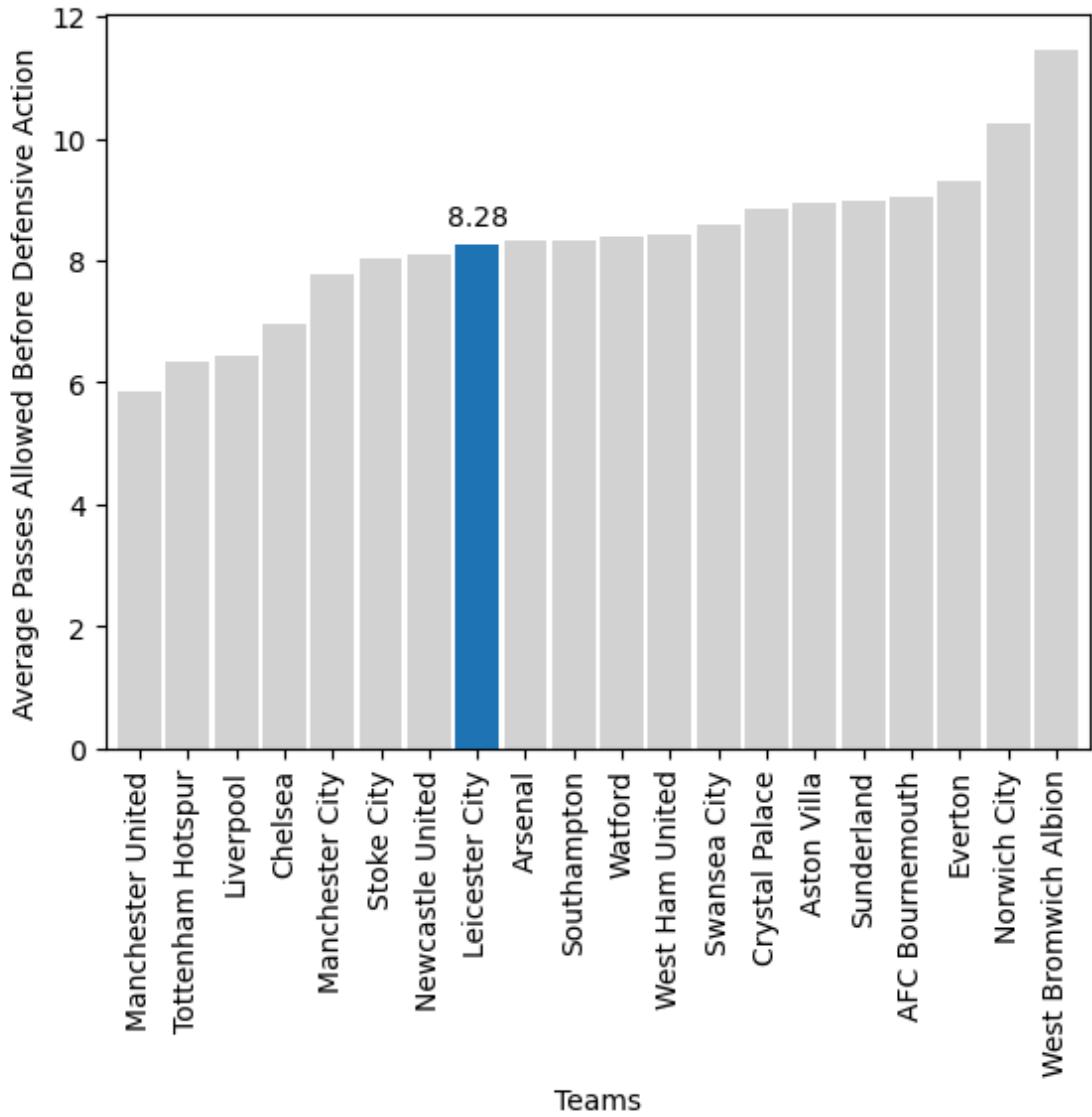
Passes Allowed per Defensive Action (PPDA)

Now that we know the areas Leicester City pressed the most, I wanted to get a better idea of how aggressive they were when the opponent had the ball. Passes allowed before defensive action (PPDA) is a great metric that can provide us an idea of just that. This statistic measures how many passes the other team completes within their attacking 60% of the pitch before a pressure, tackle, duel, or foul. Teams with a high average PPDA typically focus on their defensive structure and allow the opponents more time and space.

The philosophy behind this style of defending is to allow teams to complete non-threatening passes while ensuring that they do not complete passes or dribbles that break down their structure and lead to high danger scoring chances. Leicester City rank near the middle of the pack in this statistic which suggests that they were methodical in when they would apply pressure and attempt to win the ball back. This strategy makes sense as an optimal one since committing to an aggressive press is taxing on your squad throughout the course of the season. As we saw earlier, Leicester City largely kept the same players on the pitch which means that they played a lot of minutes. To accomplish this, the players would have had to be in tip top shape and also extremely prepared to avoid injuries.

Figure 34:

Average Passes Allowed Before Defensive Action per Team

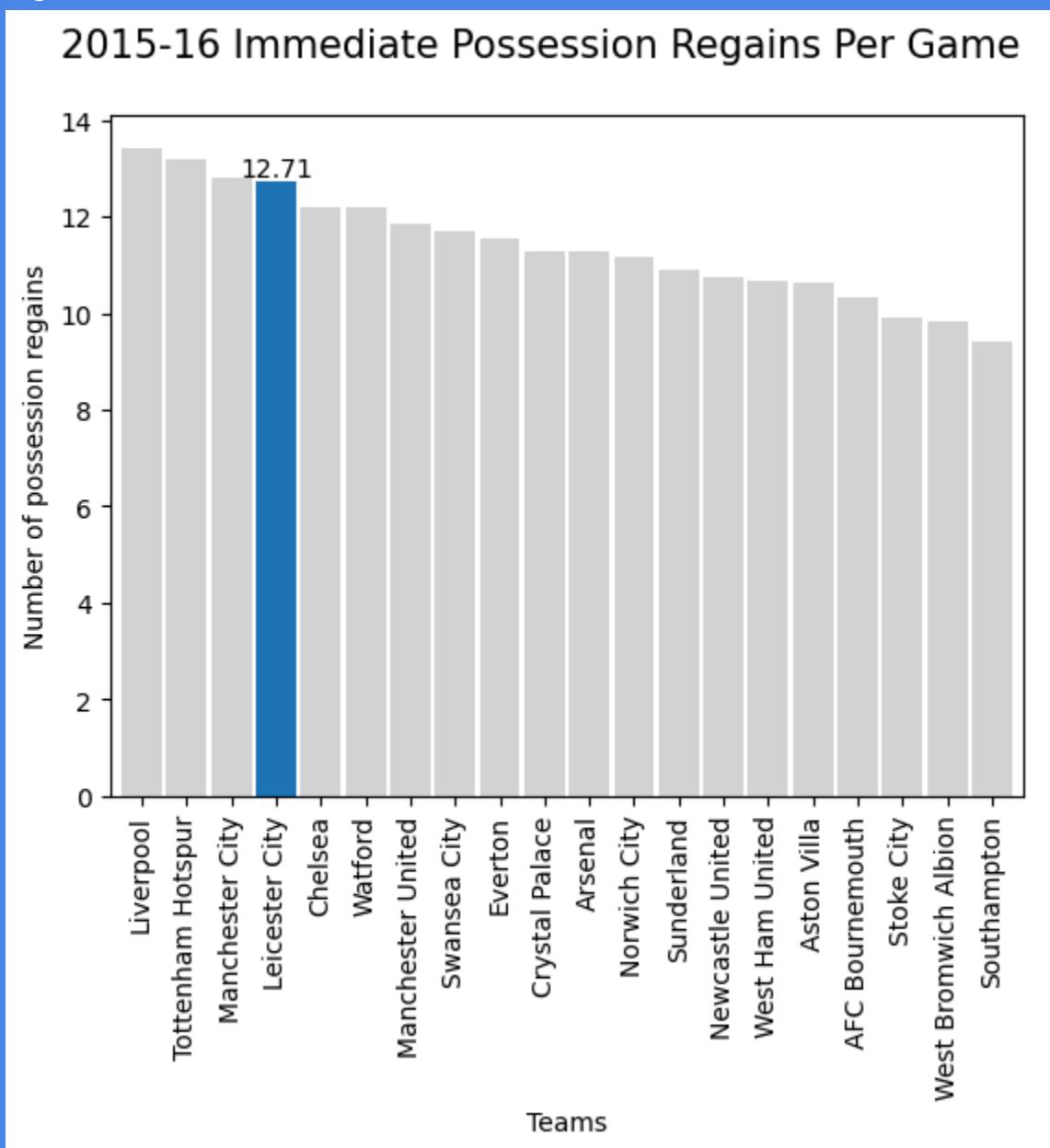


Counterpress

Staying on the topic of pressing, one of the most important metrics in modern football is the renowned counterpress or gegenpress metric. This style of pressing gained notoriety with Pep Guardiola's Barcelona teams of the late 2000s and early 2010s and later became a staple of Jurgen Klopp's Borussia Dortmund and Liverpool teams. The philosophy behind counterpressing is to press extremely aggressively oftentimes with multiple players immediately after losing the ball to try and win it back. This type of press is extremely effective when executed properly since the pressing team can oftentimes win the ball in dangerous areas. Another advantage of counterpressing is that it can quickly stymy any attempts of an opponent counterattack. This is because time and space is typically required to play incisive passes leading to a break. By quickly placing the ball carrier under pressure, the counterpressing team essentially eliminates these passing options even when conceding lots of space in behind.

For simplicity, I named this metric immediate possession regains since many readers are not familiar with counterpressing and simply want to view the visualizations. Leicester City finished 4th among all Premier League teams in immediate possession regains with 12.71 per game. That season, counterpressing was a major driver of success as perennial top 6 contenders Liverpool, Tottenham, and Manchester City were the teams that bested them in this metric .

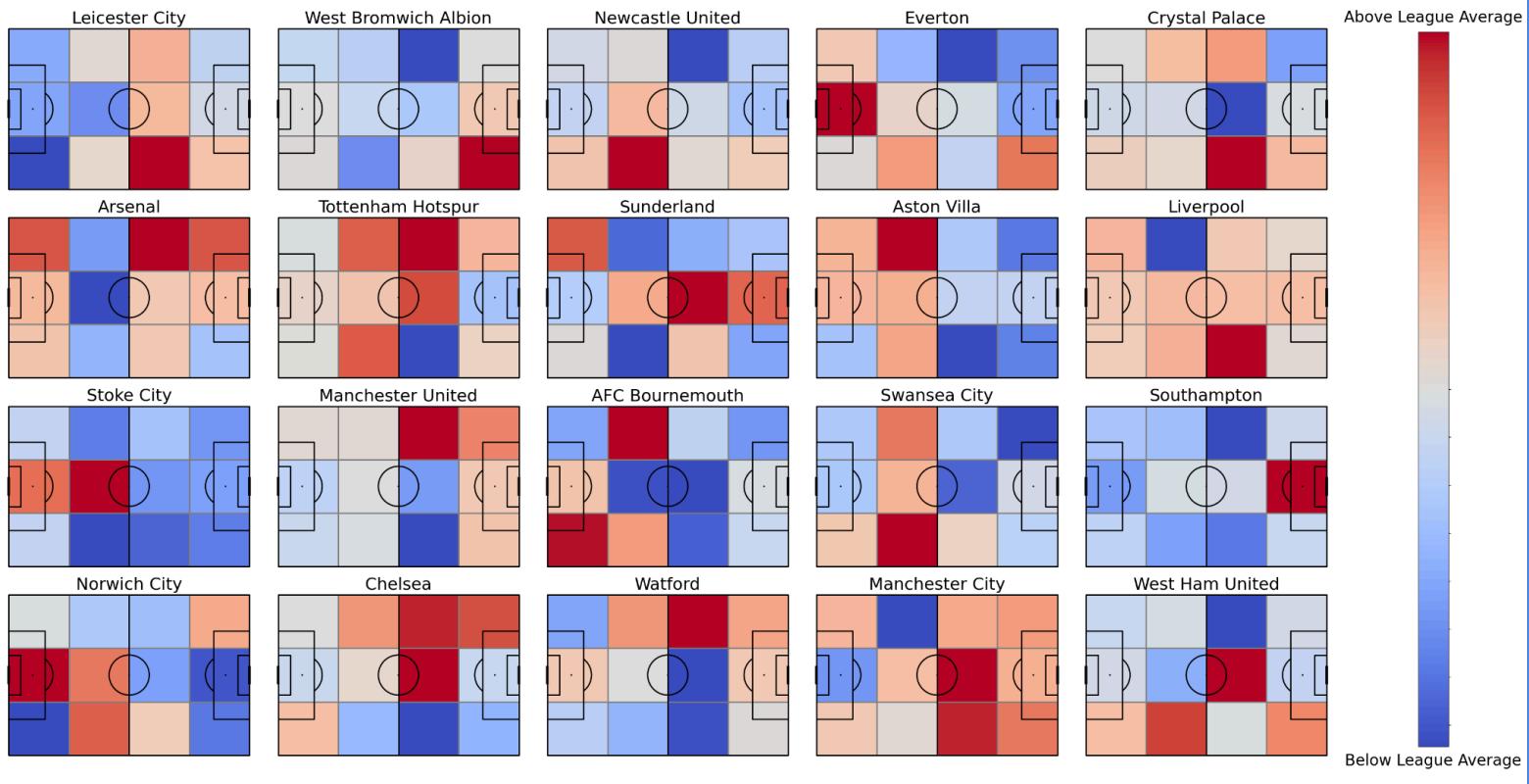
Figure 35:



By looking at the heatmap in Figure 36, it can be seen that Leicester City were the most effective at counterpressing in the attacking midfield area, specifically, on the right side of the midfield. Regaining the ball in these areas can be a major driver of success and there is a trend since most of the teams who finished in the top half of the table did well in regaining the ball in these areas shortly after losing it.

Figure 36:

Immediate Possession Regains - Performance Above Zone Average (15-16' EPL Season)



Defensive Actions Analysis

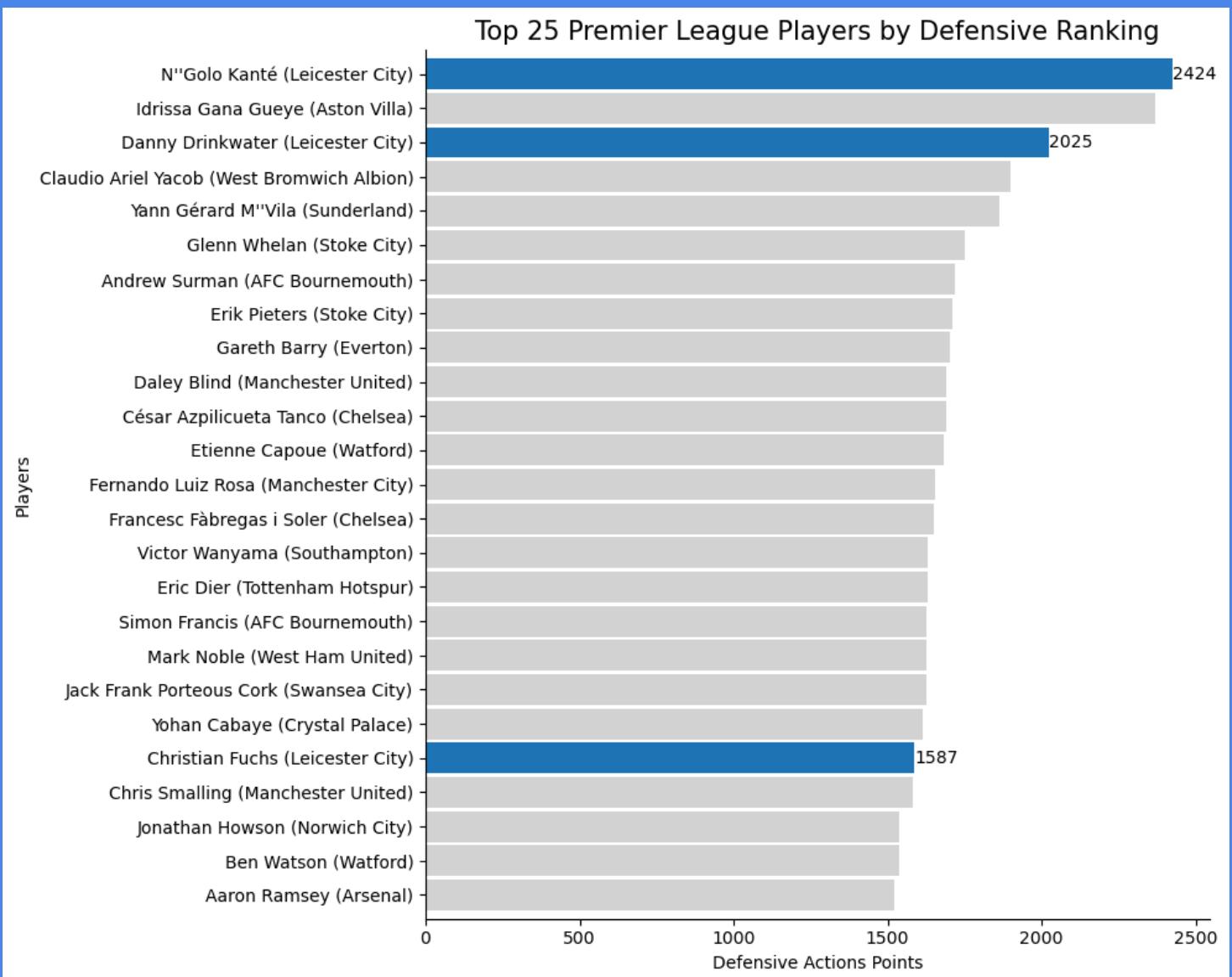
Next, I wanted to determine which players contributed the most on the defensive side of the ball. To do this I created my own points system for defensive actions that players performed on the pitch. I separated these actions into three groups. The first group of actions were awarded 2 points per action. These actions are: Ball Winning Tackles and Interceptions, Recovery Passes, and Ball Recoveries. These actions were awarded the two points per action (the most) since they not only stopped an opponent's attack but also recovered possession potentially leading to a counterattack. The second group of actions were awarded 1 point per action. These actions are: Pressures, Disruptive Tackles, Disruptive Interceptions, Clearances, and Blocks. These actions are awarded one point instead of two because while these actions are extremely valuable in disrupting an opponent's attack, they do not win the ball back for the defending team. Lastly, the third group is only comprised of one action called Dribbled Past. This action is awarded -1 point since it is a negative outcome for a player to dribble past you. With these groups of actions defined, I summed up every player in the Premier League's points that season based on all the actions they were involved in. The results are shown below in Table 10 .

Impressively, both N'Golo Kanté and Danny Drinkwater ranked in the top 3 of this list for all players in the Premier League that season. This reinforces the notion that those two players were the best defensive midfield pairing in the league that season as they were the best at both regaining possession of the ball and disrupting the opponent's attack. Christian Fuchs also made this list as the right back finished with an impressive 1587 points.

Table 10:

Top 25 Players by Defensive Ranking												
Player	Team	Ball Recoveries	Blocks	Clearances	Disruptive Interceptions	Pressures	Recovery Passes	Disruptive Tackles	Ball Winning Tackles and Interceptions	Dribbled Past	Total Points	
N'Golo Kanté	Leicester City	270	114	77	32	906	196	62	180	59	2424	
Idrissa Gana Gueye	Aston Villa	265	83	50	17	1001	177	53	163	45	2369	
Danny Drinkwater	Leicester City	256	74	72	10	779	202	34	102	64	2025	
Claudio Ariel Yacob	West Bromwich Albion	190	89	92	23	770	178	39	113	77	1898	
Yann Gérard M'Vila	Sunderland	218	73	102	21	630	203	37	116	73	1864	
Glenn Whelan	Stoke City	228	87	105	29	568	188	31	80	62	1750	
Andrew Surman	AFC Bournemouth	193	65	82	26	539	264	20	60	47	1719	
Erik Pieters	Stoke City	156	96	124	37	599	172	59	97	56	1709	
Gareth Barry	Everton	173	79	88	15	659	174	36	91	52	1701	
Daley Blind	Manchester United	146	73	150	23	541	210	46	89	34	1689	
César Azpilicueta Tanco	Chelsea	118	102	123	34	631	180	64	89	39	1689	
Etienne Capoue	Watford	211	62	56	18	629	152	31	107	52	1684	
Fernando Luiz Rosa	Manchester City	169	61	43	11	705	148	37	111	60	1653	
Francesc Fàbregas i Soler	Chelsea	176	73	23	10	776	126	50	91	70	1648	
Victor Wanyama	Southampton	195	50	82	19	618	156	31	82	37	1629	
Eric Dier	Tottenham Hotspur	116	71	96	15	602	233	34	75	38	1628	
Simon Francis	AFC Bournemouth	146	58	213	23	403	212	45	101	33	1627	
Mark Noble	West Ham United	214	68	26	21	603	184	45	73	79	1626	
Jack Frank Porteous Cork	Swansea City	178	73	73	17	615	152	28	102	46	1624	
Yohan Cabaye	Crystal Palace	179	60	21	31	681	124	46	114	58	1615	
Christian Fuchs	Leicester City	113	115	152	39	497	192	30	105	66	1587	
Chris Smalling	Manchester United	122	58	242	22	413	225	26	72	16	1583	
Jonathan Howson	Norwich City	162	71	72	14	651	140	27	79	60	1537	
Ben Watson	Watford	121	74	90	10	608	201	23	78	68	1537	
Aaron Ramsey	Arsenal	212	57	31	11	696	95	31	78	76	1520	

Figure 37:



Goals Saved Above Expected

Finally we arrive at the true last line of defense, the goalkeeper. As we know, statistics aimed at measuring the performance of goalkeepers has improved significantly over the past few years. Gone are the days of simply using goals against, clean sheets, or even save percentage to measure a goalkeeper's performances. With the implementation of xG models, we can now determine the quality of chances a team gives up and the difficulty of shots a goalkeeper faces each match. With the inclusion of xG we can now measure a goalkeeper's performance using a statistic called saves made above expected. This statistic is measured by first summing up the xG of all shots on target and subtracting the total xG value by the goals against. For the sake of simplicity, this statistic is included under the column xG - GA. I only included goalkeepers who played a minimum of 1500 minutes for this analysis.

For this statistic, Leicester City goalkeeper Kasper Schmeichel ranked in the middle of the pack, slightly worse than the median goalkeeper on the list. This means based on this measurement, Kasper Schmeichel did not perform better than the average goalkeeper the season that Leicester City won the EPL title. A strong case can be made that the team defense contributed more to Leicester's success in keeping the ball out of the net than the goalkeeper. However, it must not be understated that oftentimes goalkeepers are largely judged by making timely saves. With Leicester City winning a majority of their matches, Kasper Schmeichel must be given credit for making the saves when he needed to for the team to achieve their results.

Table 9:

Top Goalkeepers by xG - GA (min. 1500 Minutes Played)						
Goalkeeper	Team	Minutes Played	GA	xG	xG - GA	
Fraser Forster	Southampton	1735.216667	17	21.294025	4.294025	
Petr Čech	Arsenal	3258.483333	28	31.375825	3.375825	
David de Gea Quintana	Manchester United	3257.916667	31	32.532919	1.532919	
Thibaut Courtois	Chelsea	2231.433333	27	28.171215	1.171215	
Heurelho da Silva Gomes	Watford	3615.250000	47	48.022038	1.022038	
Vito Mannone	Sunderland	1840.500000	23	23.442239	0.442239	
Jack Butland	Stoke City	2990.866667	37	37.365942	0.365942	
Hugo Lloris	Tottenham Hotspur	3549.683333	32	31.891103	-0.108897	
Simon Mignolet	Liverpool	3282.500000	41	40.130652	-0.869348	
Asmir Begović	Chelsea	1515.200000	24	23.069915	-0.930085	
Tim Howard	Everton	2412.916667	35	34.069227	-0.930773	
Joe Hart	Manchester City	3314.200000	34	32.726179	-1.273821	
Adrián San Miguel del Castillo	West Ham United	3102.683333	37	35.601389	-1.398611	
Kasper Schmeichel	Leicester City	3668.533333	36	34.016099	-1.983901	
Maarten Stekelenburg	Southampton	1637.200000	19	16.151643	-2.848357	
Łukasz Fabiański	Swansea City	3570.150000	46	42.596387	-3.403613	
Costel Fane Pantilimon	Sunderland	1646.750000	32	27.595703	-4.404297	
Wayne Hennessey	Crystal Palace	2792.083333	35	30.398459	-4.601541	
Glyn Oliver Myhill	West Bromwich Albion	2218.666667	29	23.345490	-5.654510	
Artur Boruc	AFC Bournemouth	3088.033333	51	45.050360	-5.949640	
Rob Elliot	Newcastle United	2019.783333	36	29.845479	-6.154521	
Bradley Guzan	Aston Villa	2701.133333	55	48.650780	-6.349220	
John Ruddy	Norwich City	2613.116667	44	36.117969	-7.882031	

Player Radar Plots

To finish off this analysis, I included the player radar plots for the consensus three most important players for Leicester City that season. The first plot displays Jamie Vardy's per 90 stats in percentiles compared to the forwards in the Premier League that season. Jamie Vardy was in the upper echelon for non-penalty expected goals and goals while also ranking above average in air duels and assists among forwards. Conversely, Jamie Vardy ranked below average in the other statistics, suggesting that he was objectively one of the best finishers in the Premier League that season who's strengths were utilized well within Leicester City's system.

The second radar plot displays the statistics for Riyad Mahrez. He was elite for his position in generating goals and assists, ranking in the 92nd and 91st percentile respectfully among wingers. Interestingly, Mahrez ranked above average for non-penalty expected goals and danger passes but nowhere near elite. This suggests that Mahrez and Vardy were among the very best in converting their chances into goals. Riyad Mahrez also ranked in the 98th percentile among wingers for completed dribbles. Since there is more emphasis on the winger position to be creative in taking on the opponent's defenders and beating them in 1v1s, Riyad Mahrez was in a league of his own that season in terms of creating chances and threatening the opponent's final third.

Finally, I analyze N'Golo Kanté who was elite among midfielders in most of the defensive statistics I analyzed. Kanté impressively ranked in the 99th percentile in ball recoveries, 98th percentile in ground duels won, 97th percentile in pressures, and 92nd percentile in recovery passes. Basically, Kanté was one of if not the very best midfielder at pressuring and winning the ball back for their team. While he did not contribute much directly in attack, his ability to read when to press and execute his challenges to win the ball back were invaluable in spearheading his team's attacks, putting his attacking teammates in a great position to succeed.

Figure 38:

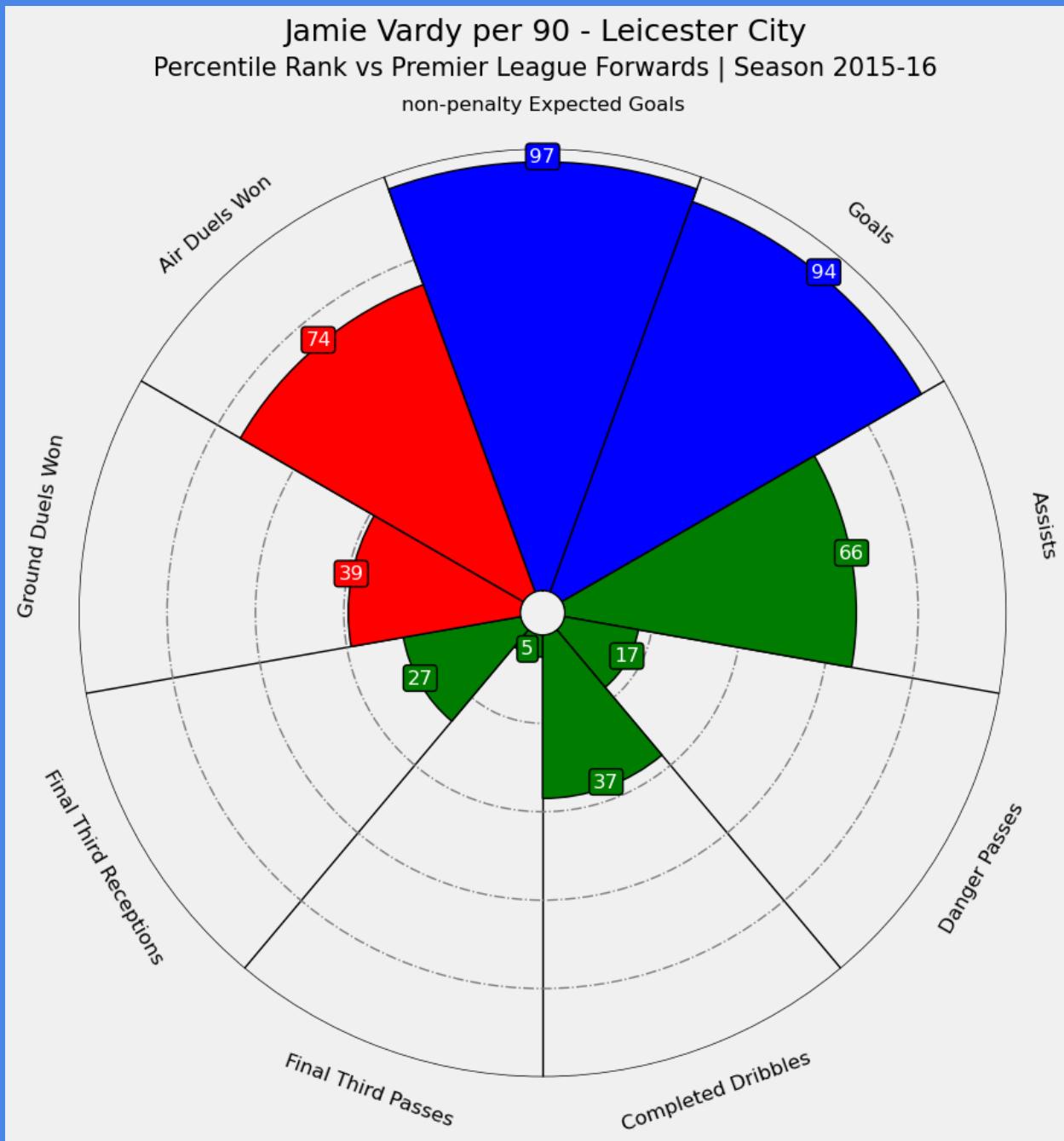


Figure 39:

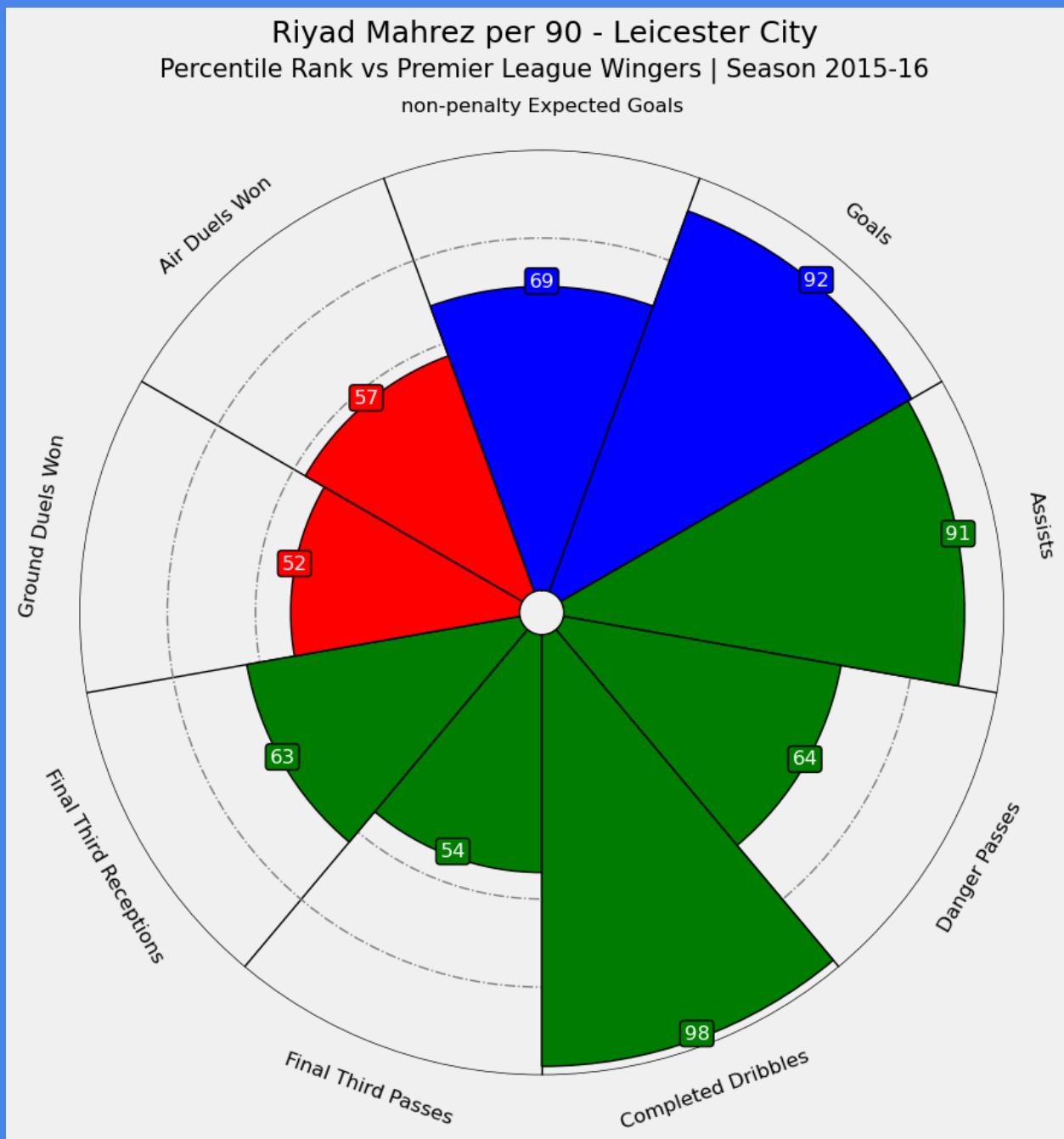
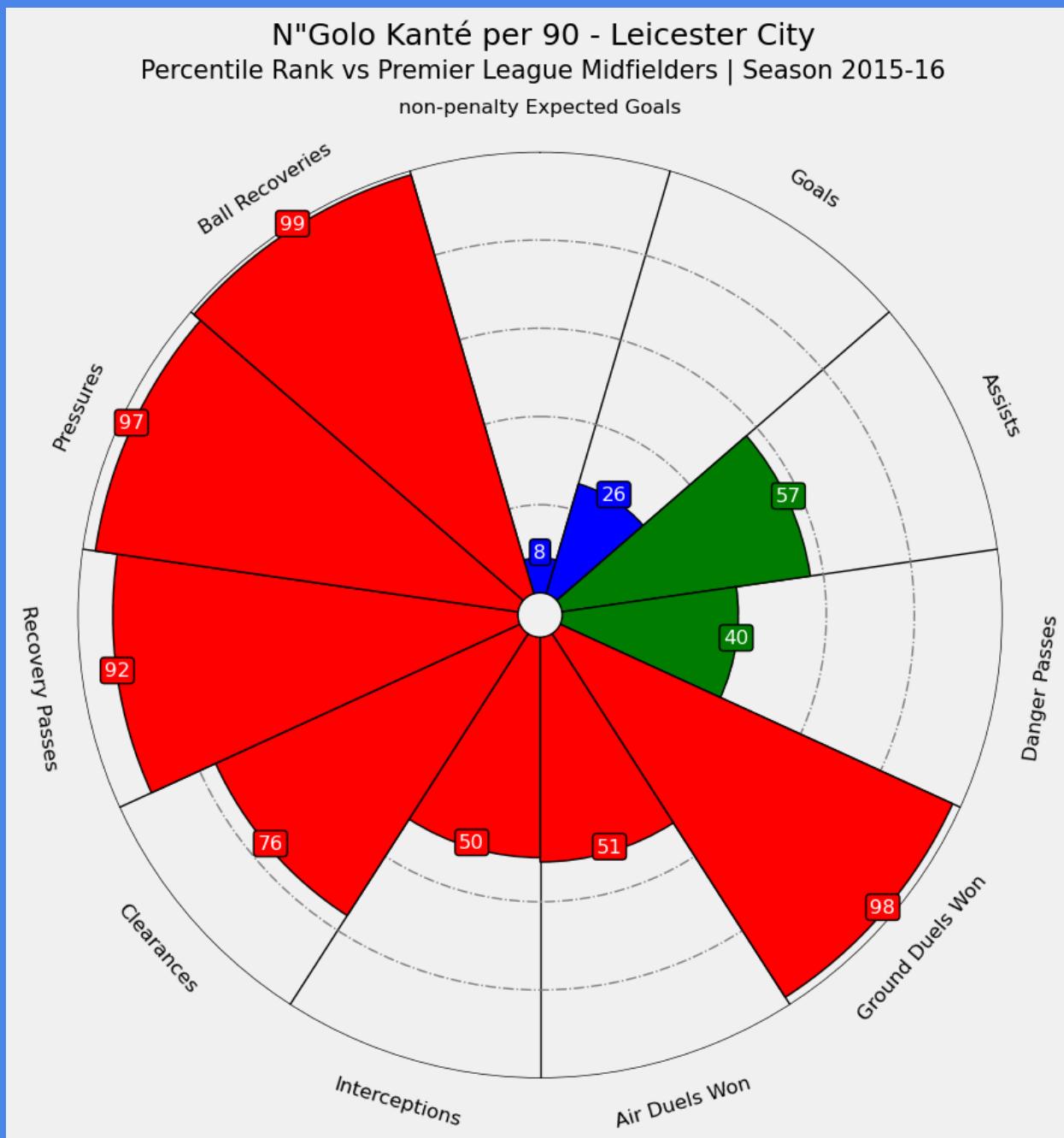


Figure 40:



Conclusion

2015-16 Leicester City were able to defy all the odds and win the EPL title in their second season post promotion. However, once I started to dig deeper and paint a picture as to how they were able to accomplish this feat, I realized that this team achieved their success in an extremely unconventional fashion. Relative to previous Premier League champions, this team won the title without retaining possession of the ball, instead hitting their opponents with a flurry of counterattacks and dangerous long balls in behind. To commit to playing this direct style of football requires the perfect blend of discipline and commitment as well as elite defensive players and dynamic clinical attackers. It just so happened that this squad had all of the ingredients needed to successfully play this style, win the elusive EPL Title, and capture the hearts of so many football fans.

The fact that all of these factors came together for Leicester City to capture this level of success really shows how rare such a feat is in the EPL. It is highly unlikely we will witness a team like this achieve this level of success in our lifetime and I believe we must cherish them and implement some important lessons, both in our own football careers if we have one and furthermore our own lives. No matter who you are or what your background is, with commitment, discipline, and heart, you can accomplish feats that no one believes were even possible, even if your strategy is bold and unconventional.

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