

# Final Project

Elizabeth Earl

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```
head(players_df)
```

core	team_h_score	threat	total_points	transfers_in	transfers_out	value	was_home	yellow_cards	full	team	role
1	1	21	1	13500	2911	4.5	True	0	Aaron Connolly	Brighton	FWD
0	0	18	1	11749	3659	4.5	False	0	Aaron Connolly	Brighton	FWD
0	2	0	1	13439	5002	4.5	False	0	Aaron Connolly	Brighton	FWD
0	3	107	13	5952	3796	4.5	True	0	Aaron Connolly	Brighton	FWD
1	2	21	1	81069	10267	4.5	False	0	Aaron Connolly	Brighton	FWD
2	3	2	8	42593	7624	4.6	True	0	Aaron Connolly	Brighton	FWD
0	2	46	2	118970	9822	4.6	True	0	Aaron Connolly	Brighton	FWD
1	3	4	1	18973	29857	4.7	False	0	Aaron Connolly	Brighton	FWD
2	0	0	0	10462	49150	4.7	True	0	Aaron Connolly	Brighton	FWD
1	2	17	2	6386	32849	4.7	False	0	Aaron Connolly	Brighton	FWD
2	1	27	2	9676	15162	4.7	False	0	Aaron Connolly	Brighton	FWD
2	2	0	0	8128	19112	4.7	True	0	Aaron Connolly	Brighton	FWD

Showing 1 to 13 of 22,501 entries, 26 total columns

Figure 1: players\_df

```
head(matches_df)
```

Cleaning data

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Visualization

Filter												
Cols: << 1 - 50 >>												
	team_name	wins	wins_home	wins_away	draws	draws_home	draws_away	losses	losses_home	losses_away	points	
1	Arsenal FC	21	14	7	7	3	4	10	2	8		
2	Tottenham Hotspur FC	23	12	11	2	2	0	13	5	8		
3	Manchester City FC	32	18	14	2	0	2	4	1	3		
4	Leicester City FC	15	8	7	7	3	4	16	8	8		
5	Crystal Palace FC	14	5	9	7	5	2	17	9	8		
6	Everton FC	15	10	5	9	4	5	14	5	9		
7	Burnley FC	11	7	4	7	2	5	20	10	10		
8	Southampton FC	9	5	4	12	8	4	17	6	11		
9	AFC Bournemouth	13	8	5	6	5	1	19	6	13		
10	Manchester United FC	19	10	9	9	6	3	10	3	7		
11	Liverpool FC	30	17	13	7	2	5	1	0	1		
12	Chelsea FC	21	12	9	9	6	3	8	1	7		

Showing 1 to 13 of 20 entries, 94 total columns

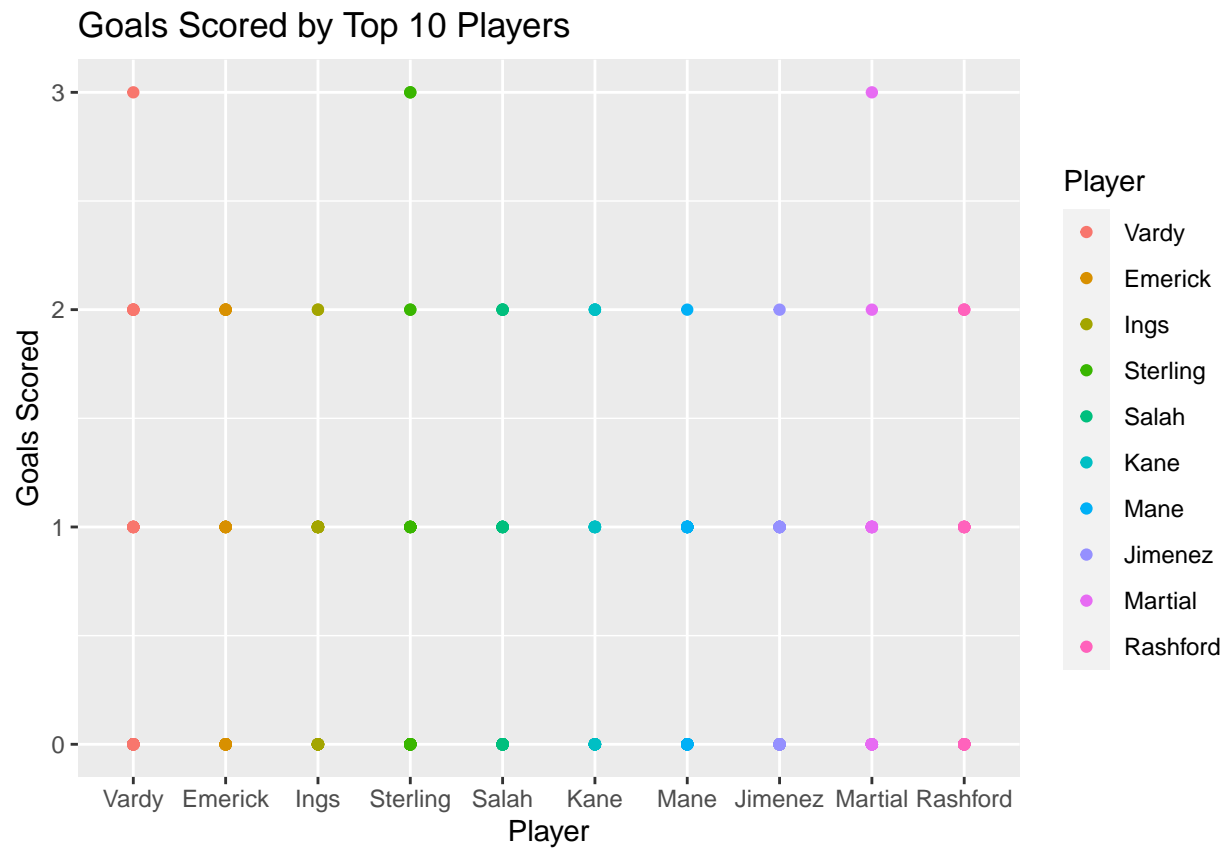
Figure 2: matches\_df

## Player performance

```
## Warning: Use of 'top10$variable' is discouraged. Use 'variable' instead.
```

```
## Warning: Use of 'top10$value' is discouraged. Use 'value' instead.
```

```
## Warning: Use of 'top10$variable' is discouraged. Use 'variable' instead.
```

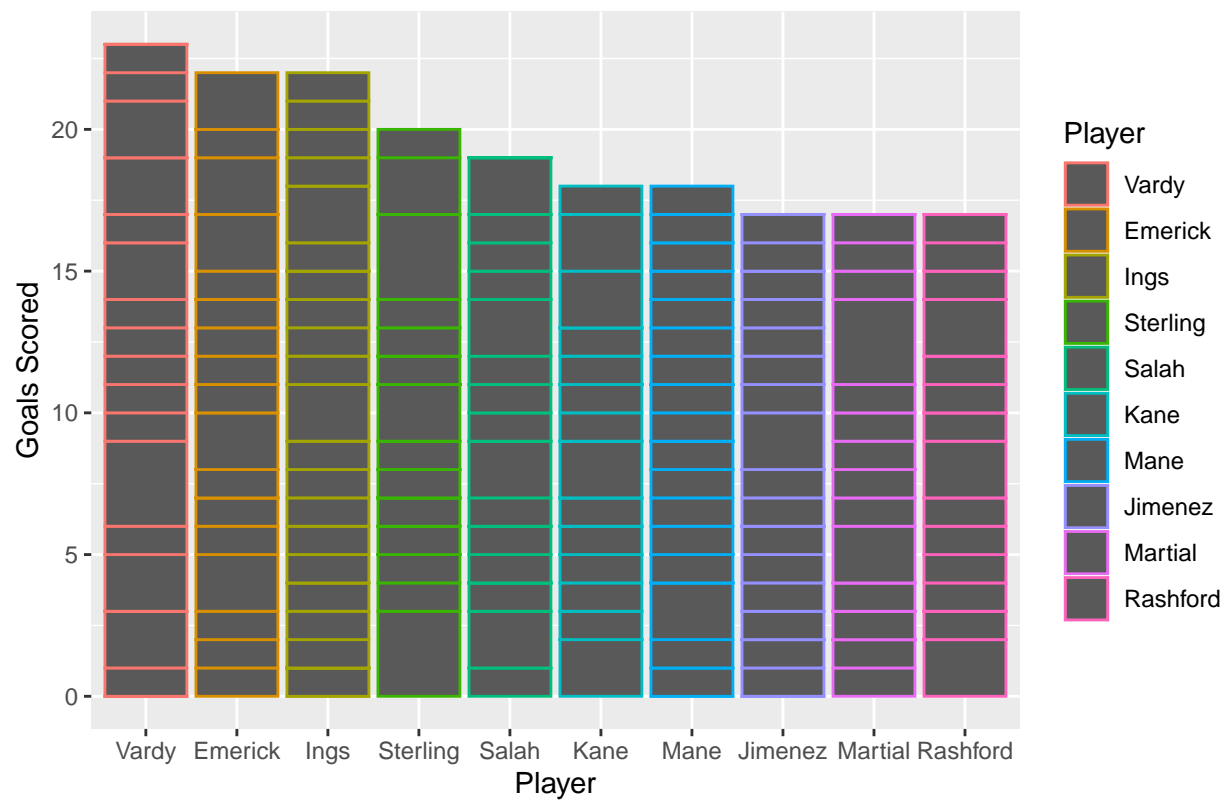


```
## Warning: Use of 'top10$variable' is discouraged. Use 'variable' instead.
```

```
## Warning: Use of 'top10$value' is discouraged. Use 'value' instead.
```

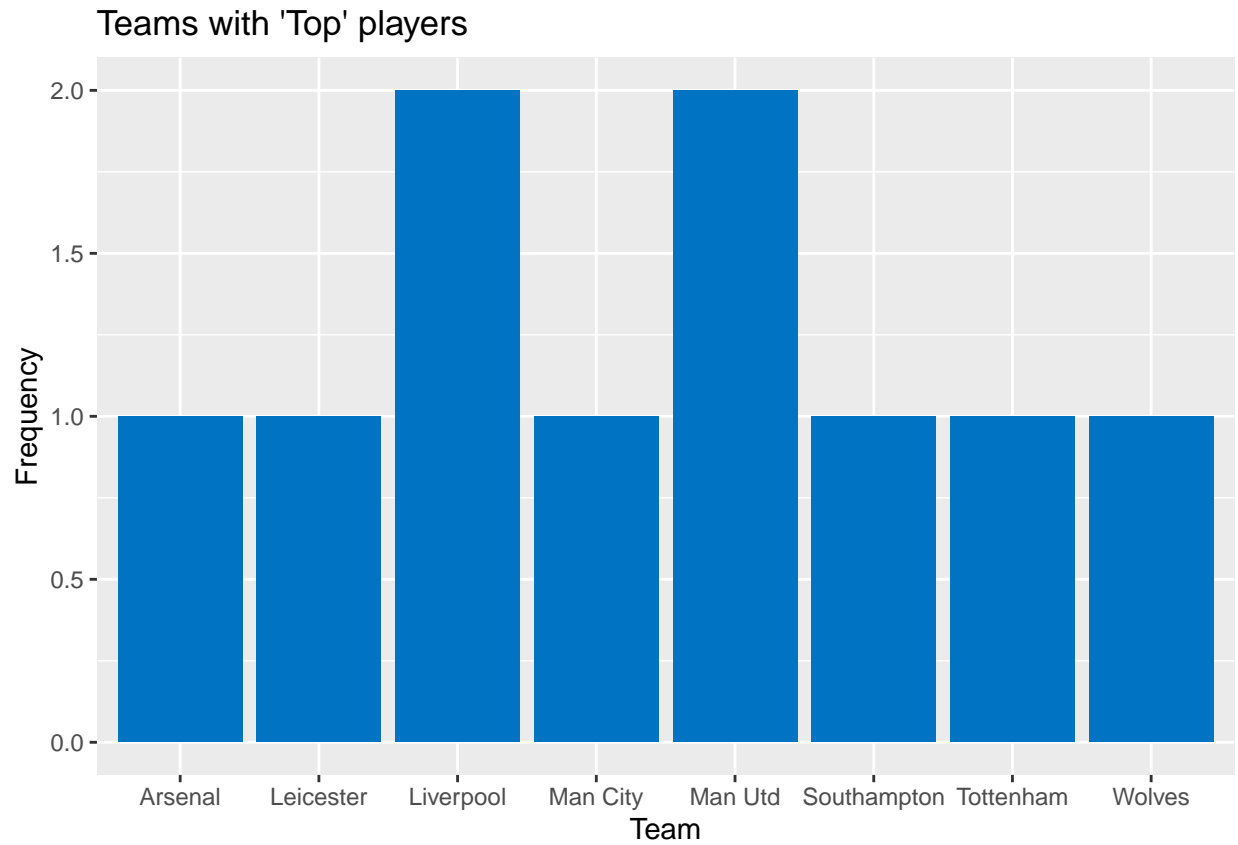
```
## Warning: Use of 'top10$variable' is discouraged. Use 'variable' instead.
```

Total Goals Scored All Season



### Top Player's Teams

```
## Warning: Use of 'teams$"1"' is discouraged. Use '1' instead.
```



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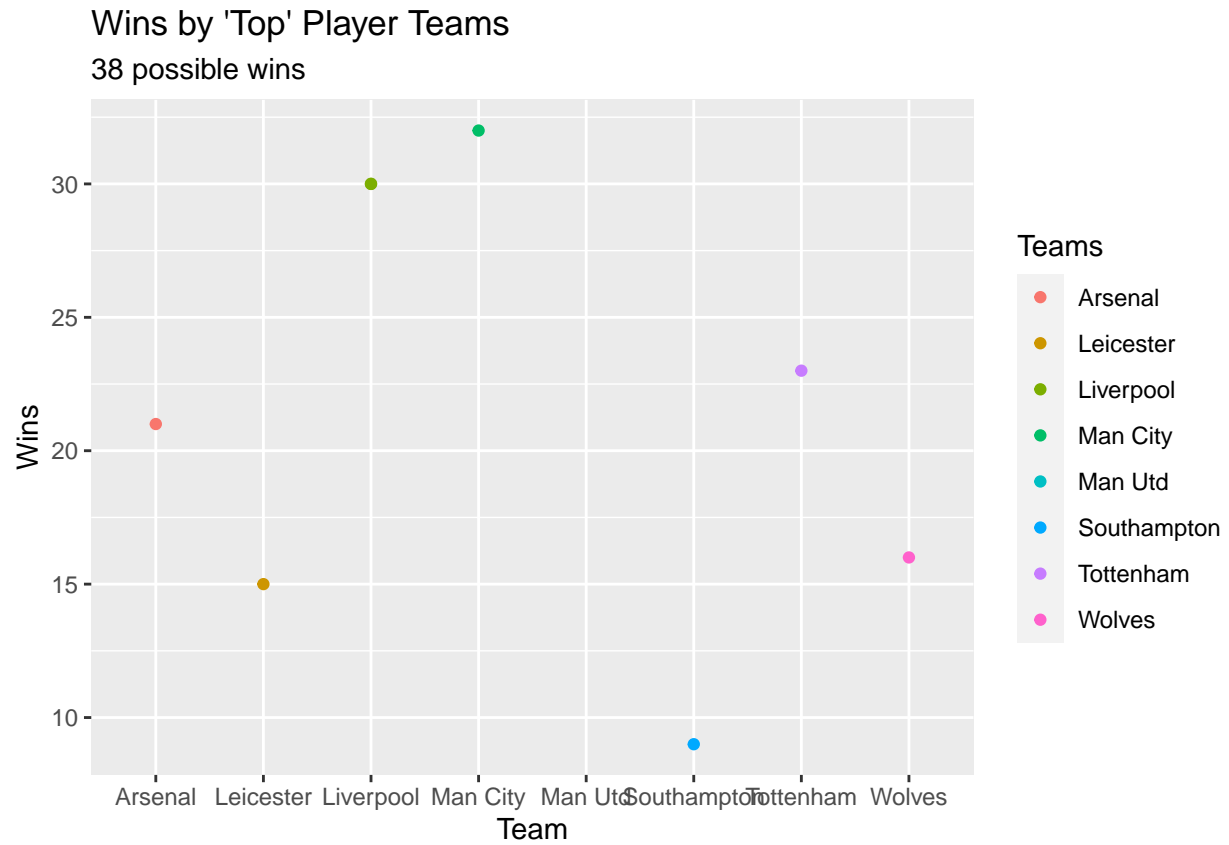
### Team performance

```
## Warning: Use of 'merged_df$"1"' is discouraged. Use '1' instead.
```

```
## Warning: Use of 'merged_df$wins' is discouraged. Use 'wins' instead.
```

```
## Warning: Use of 'merged_df$"1"' is discouraged. Use '1' instead.
```

```
## Warning: Removed 2 rows containing missing values (geom_point).
```



```
## Warning: Use of 'matches_df$team_name' is discouraged. Use 'team_name' instead.
```

```
## Warning: Use of 'matches_df$wins' is discouraged. Use 'wins' instead.
```

```
## Warning: Use of 'matches_df$team_name' is discouraged. Use 'team_name' instead.
```

