

A

Data Analysis report on

Kaggle football dataset

by

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## **Objective:**

1. Spot weaknesses and strengths in the teams/players in order to help them.
2. Look at the performance of teams & players.
3. Explore which kind of game piece the best team is using to win.
4. Statistical Data Analysis on the kaggle football dataset.
5. Detailed Analysis of Cards

## **Dataset Description:**

### **Game\_info.csv :**

ID: game id

General: league, season, date and host country.

Teams: home and away teams.

Results: home and away goals.

Odds: odds on (home win, away win and draw)

### **Events.csv:**

ID: game id and event id.

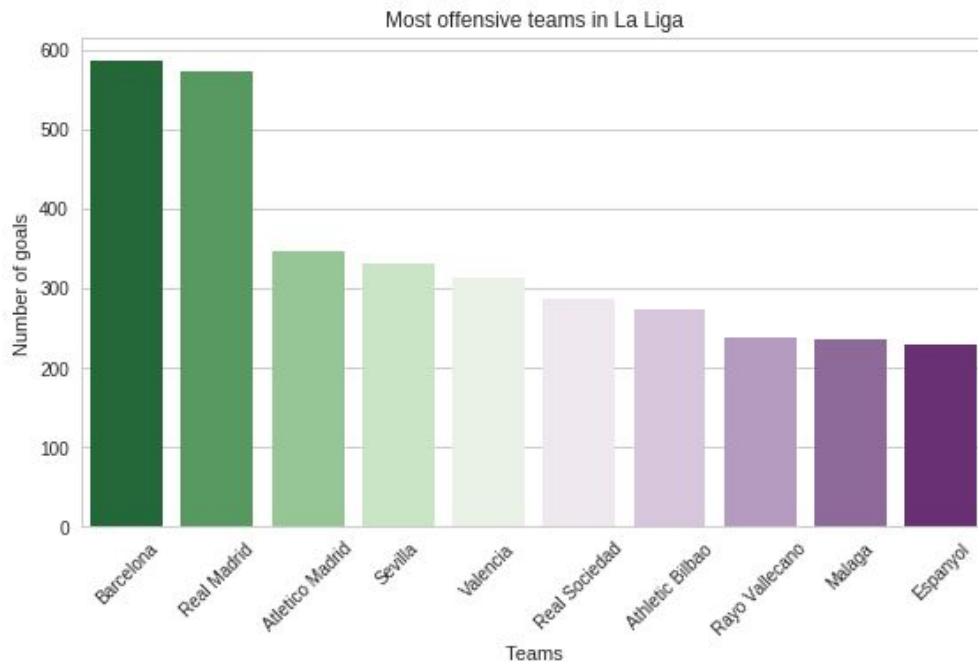
Teams: playing team and opponent.

Player: players involved in the event, bodypart, assist method and situation.

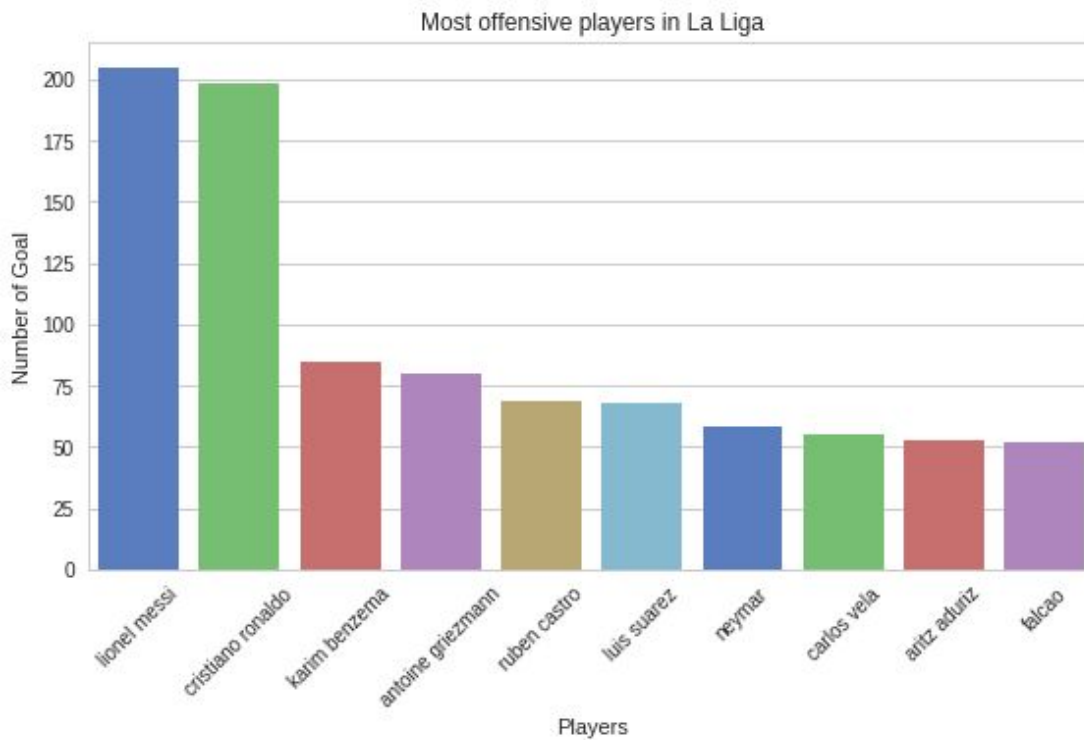
Shot: location (in the pitch), outcome, place, and is\_goal or not.

## Detailed Analysis of Goals:

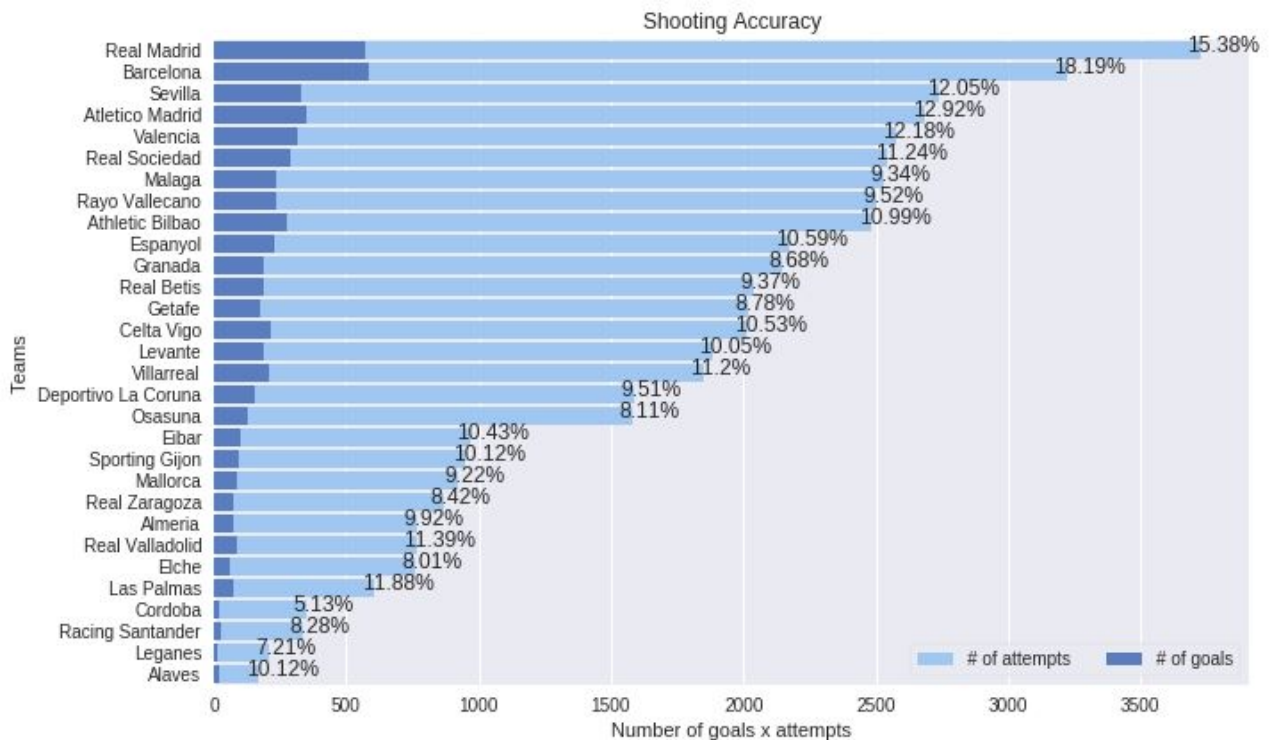
Most offensive teams in La Liga:



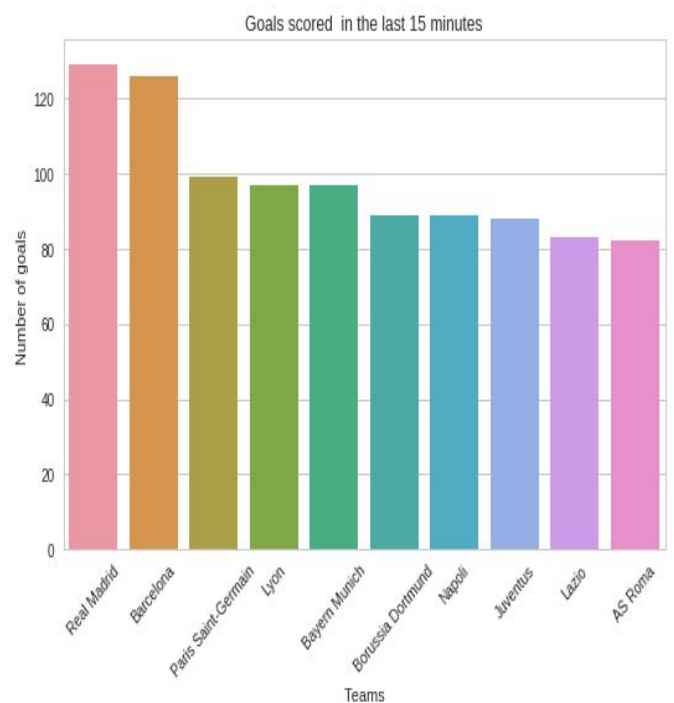
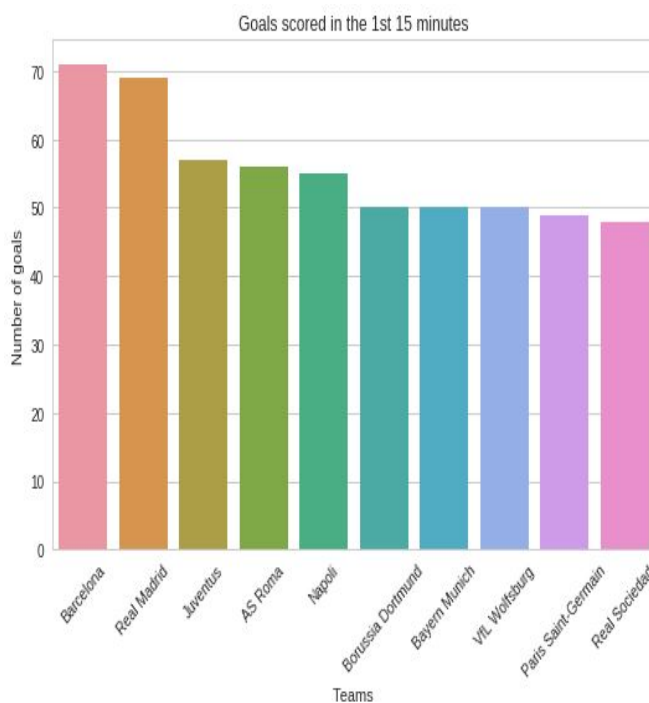
Most offensive Players in La Liga:



The teams with best shooting accuracy in La Liga:

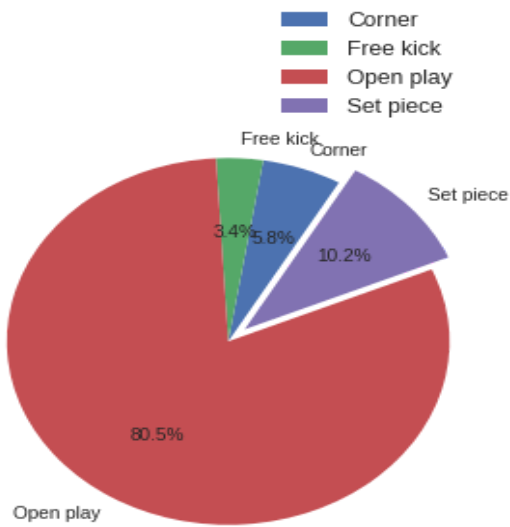


Goals scored by teams in the first 15 minutes and the last 15 minutes:

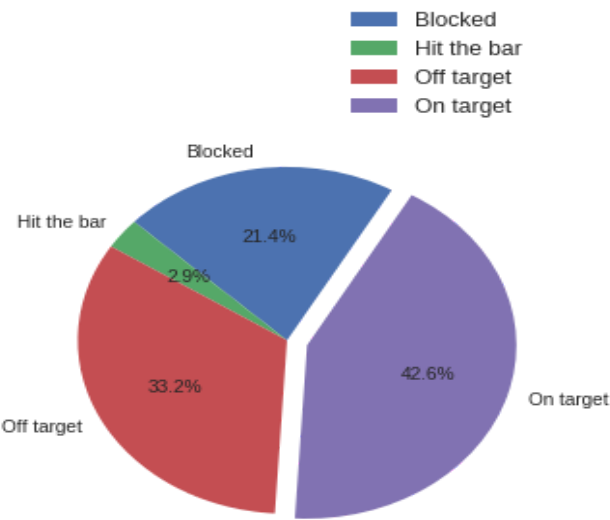


# Goal Situation & Shot Outcome: Barcelona vs Real Madrid.

Percentage of goals situations for Barcelona

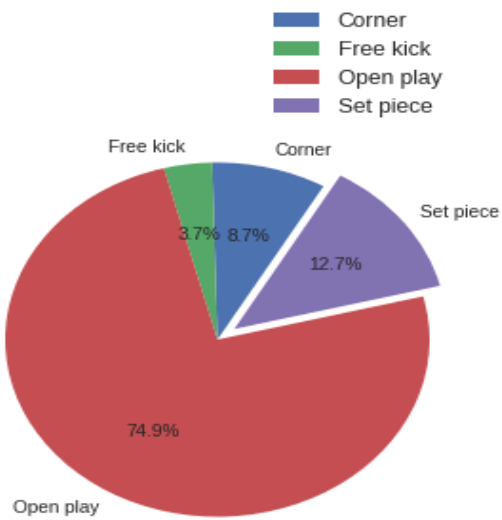


Percentage of shot outcome for Barcelona

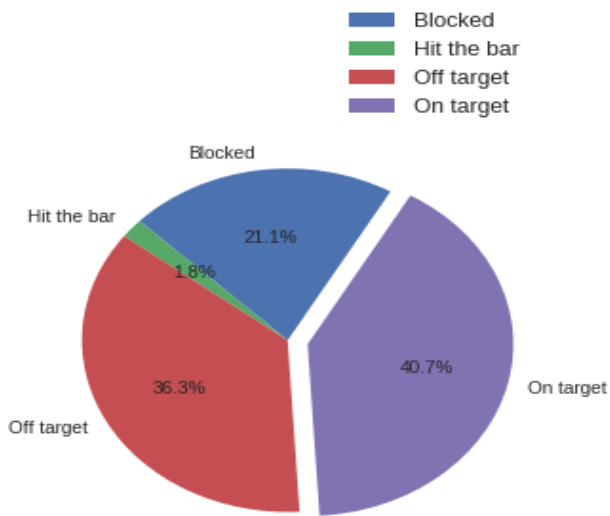


Barcelona

Percentage of goals situations for Real Madrid

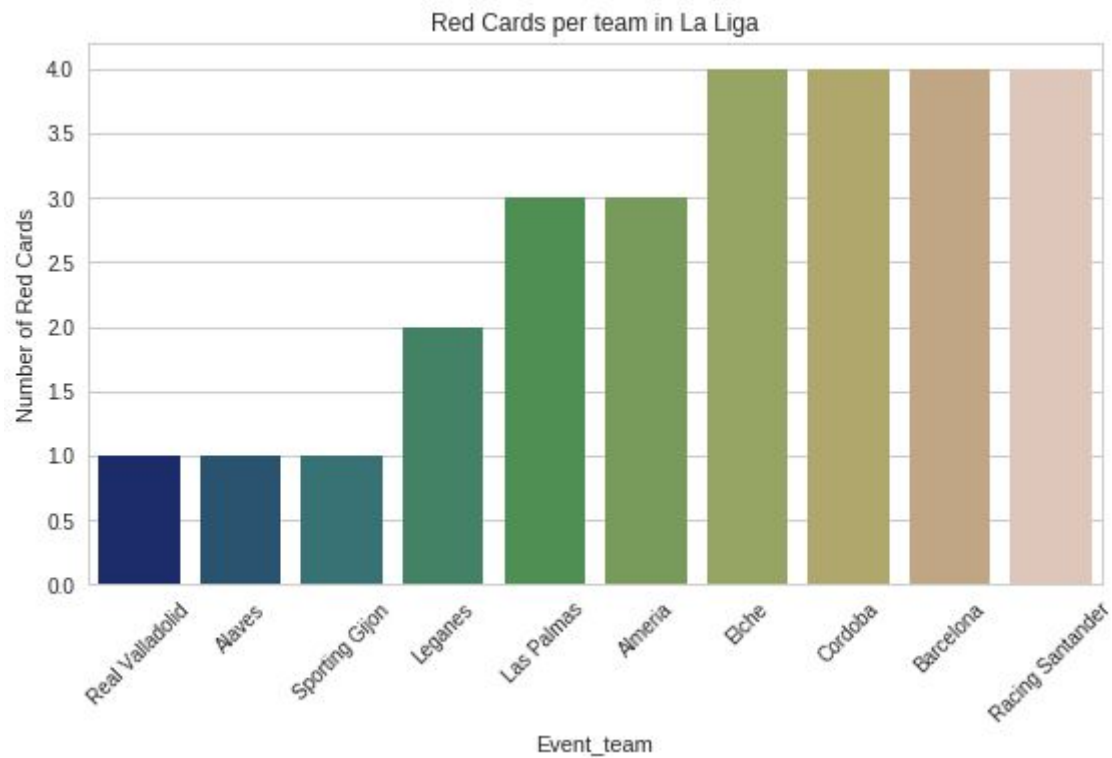


Percentage of shot outcome for Real Madrid

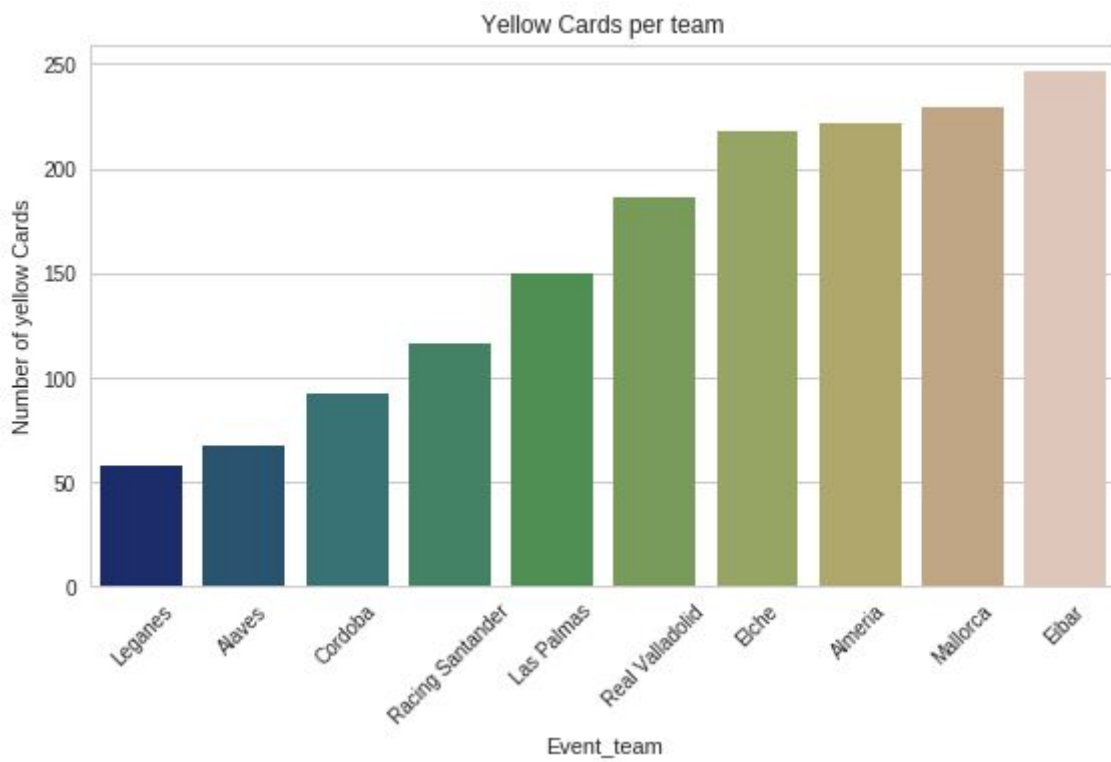


Real Madrid

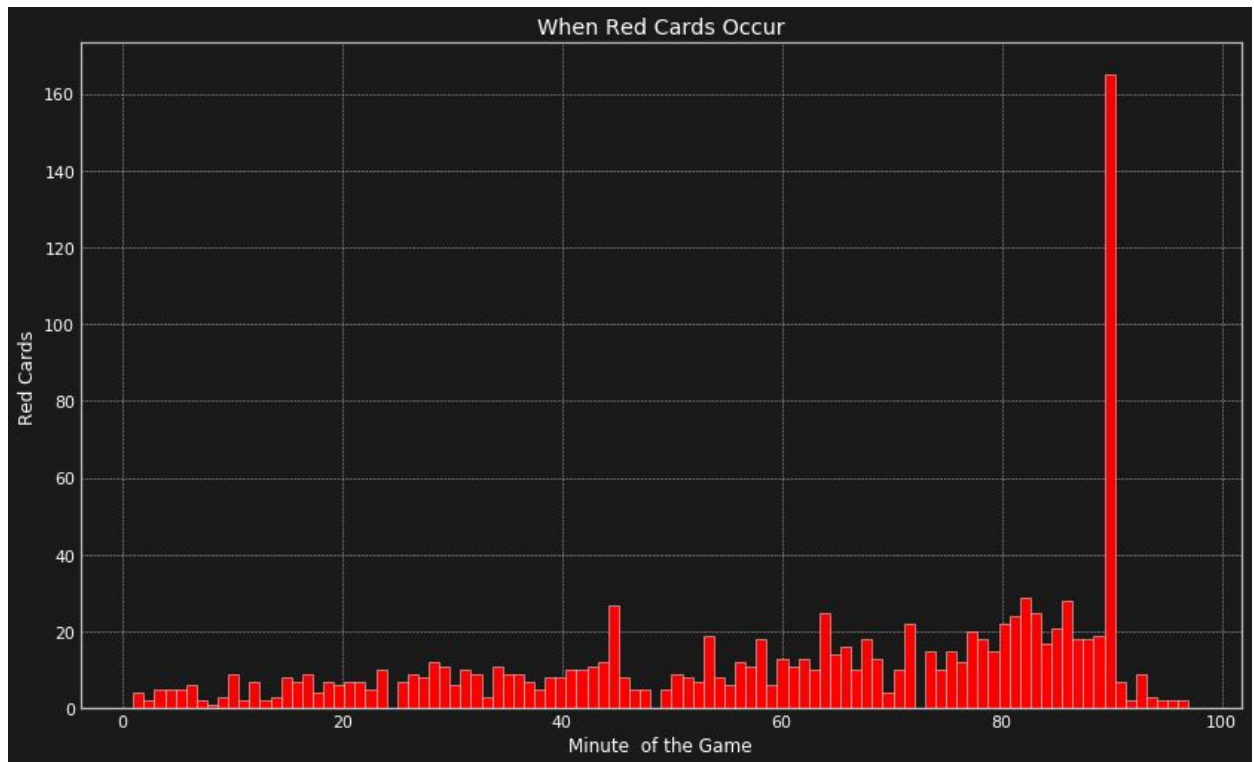
## Team analysis for red cards in La Liga:



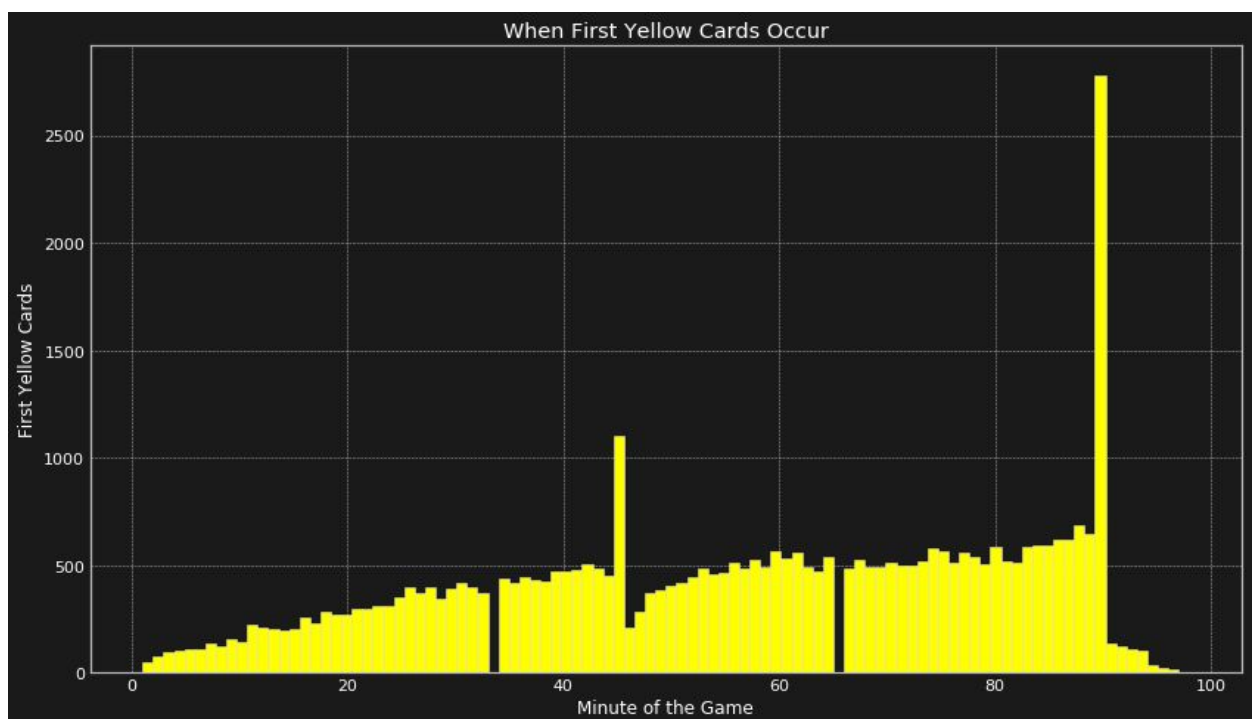
## Team analysis for yellow cards in La Liga:



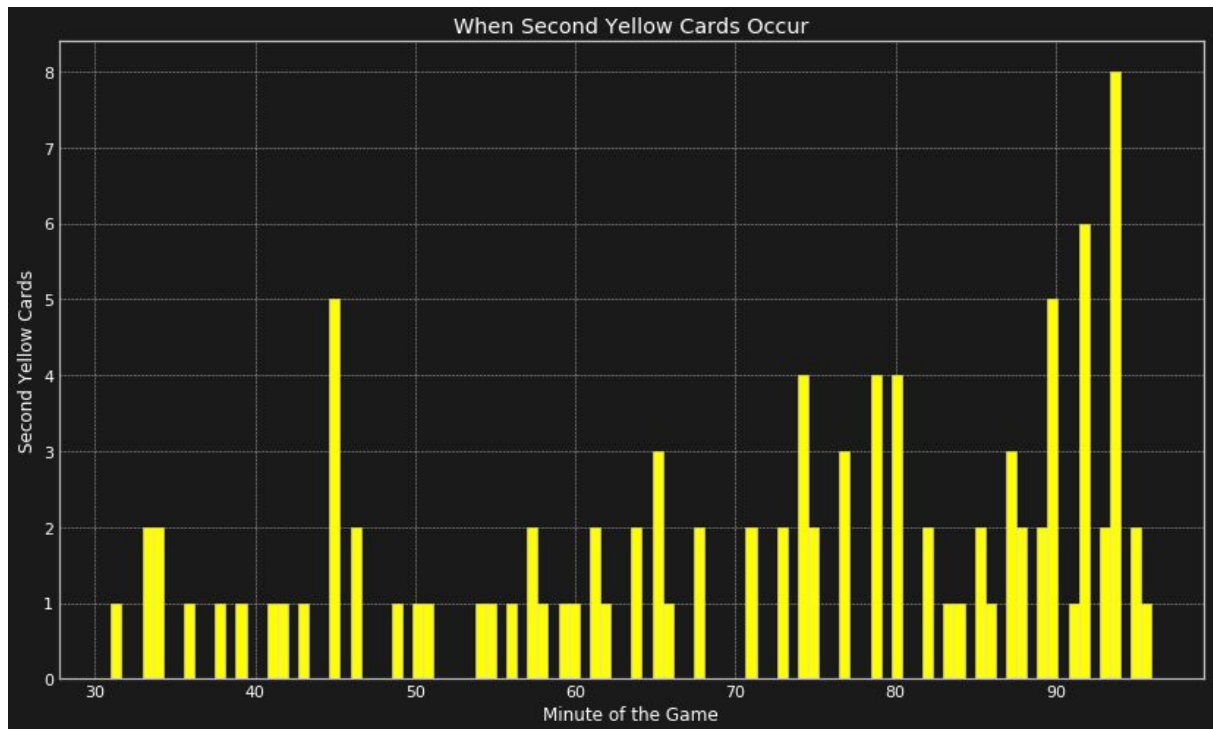
**Graph to show when red cards are most likely to be served in La Liga:**



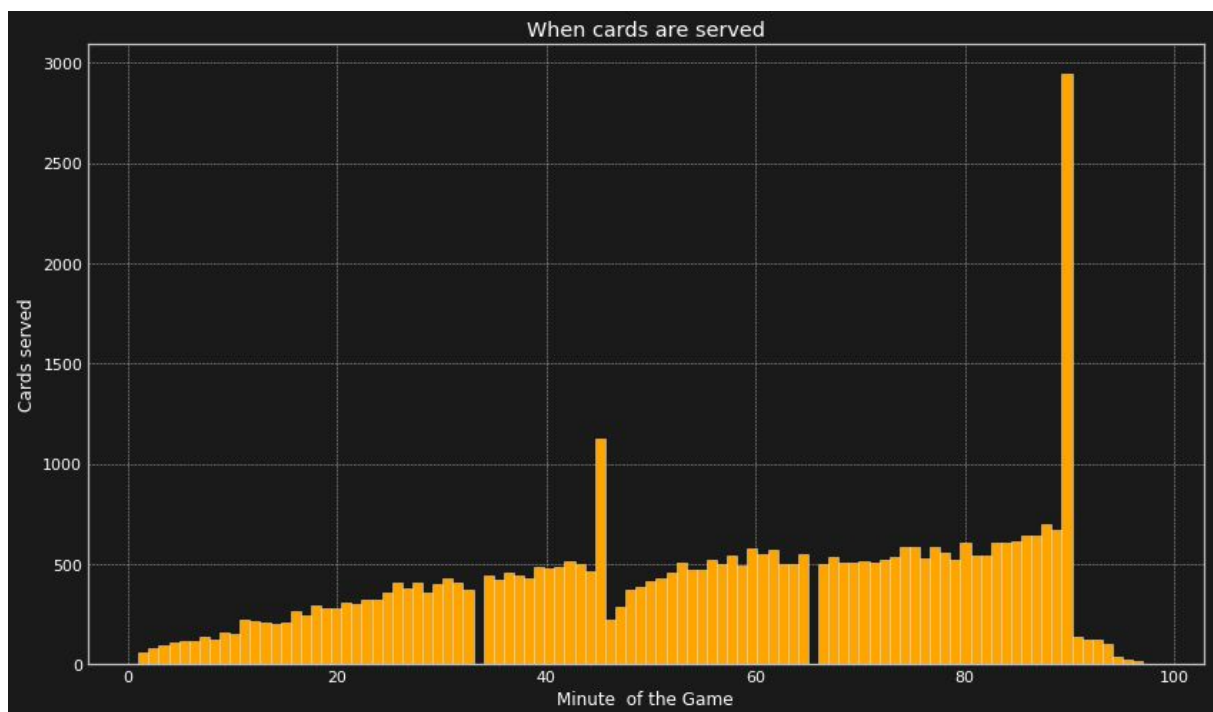
**Graph to show when the first yellow cards are most likely to be served in La Liga:**



**Graph to show when second yellow cards are most likely to be served in La Liga:**

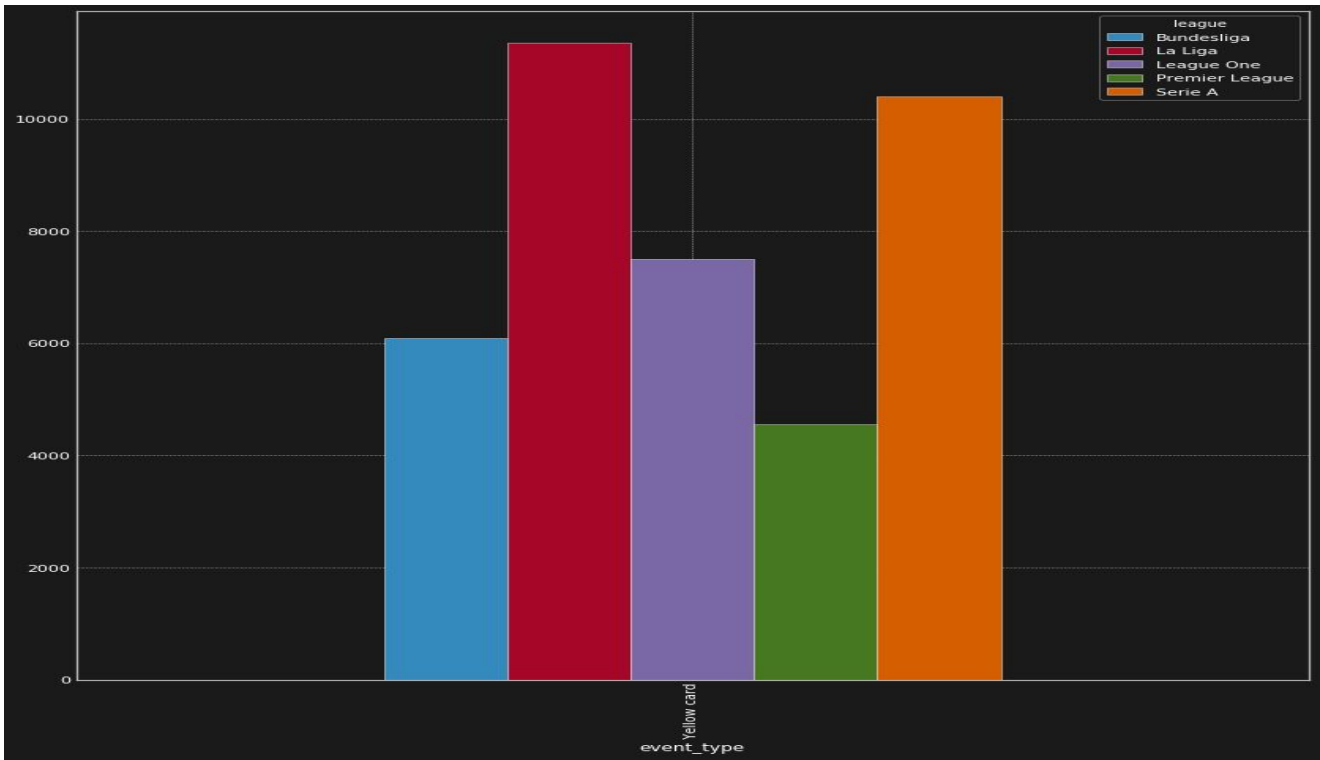


**Graph to show when cards are most likely to be served in La Liga:**

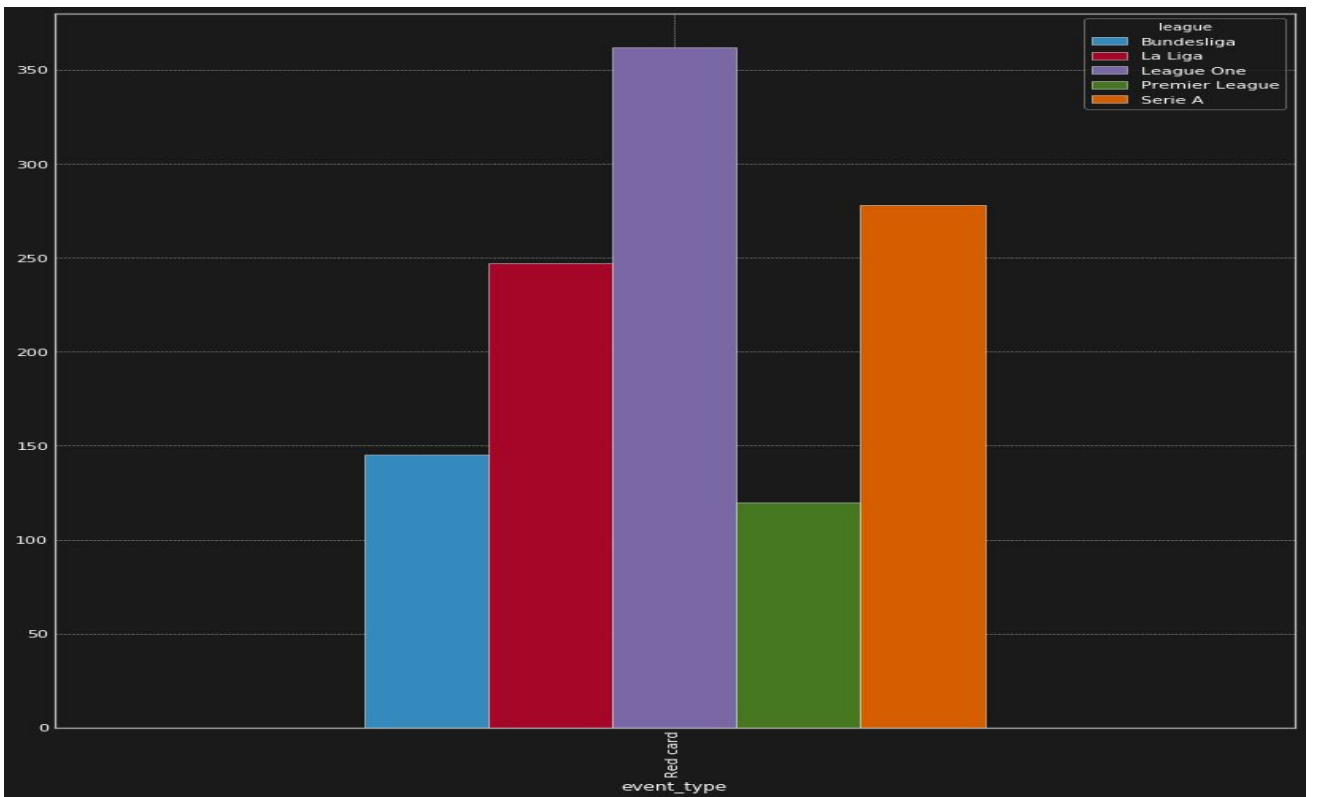




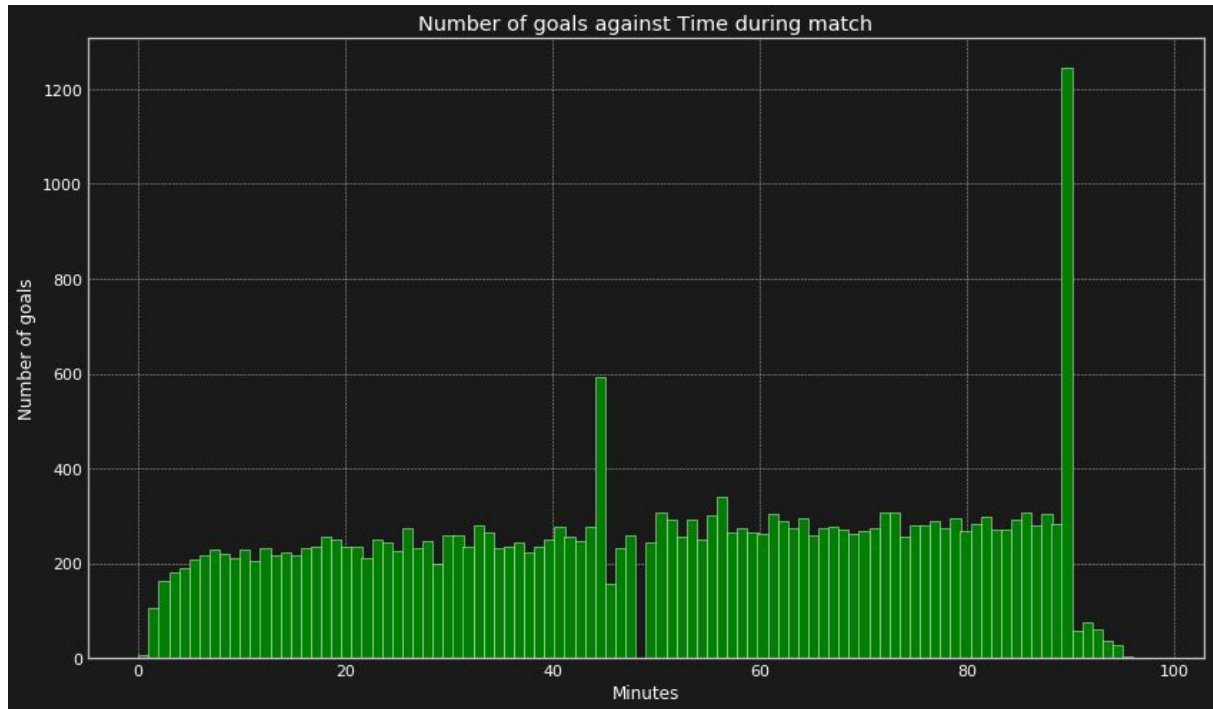
Distribution of serving of yellow cards as per the leagues:



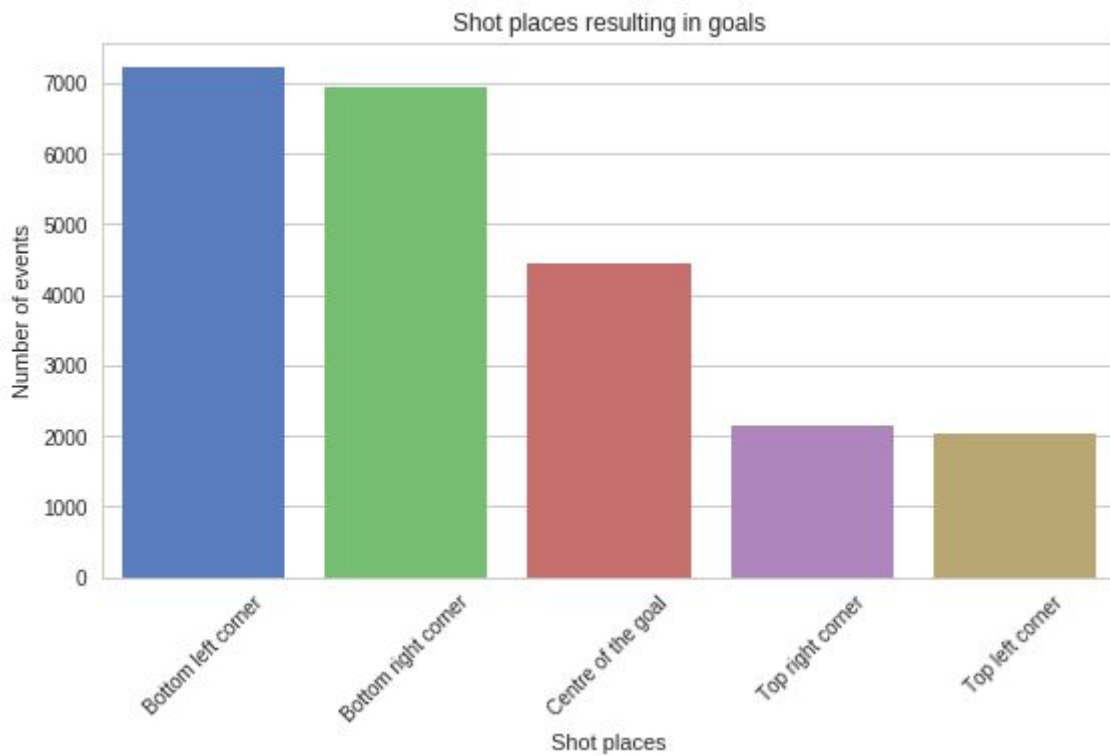
Distribution of serving of red cards as per the leagues:



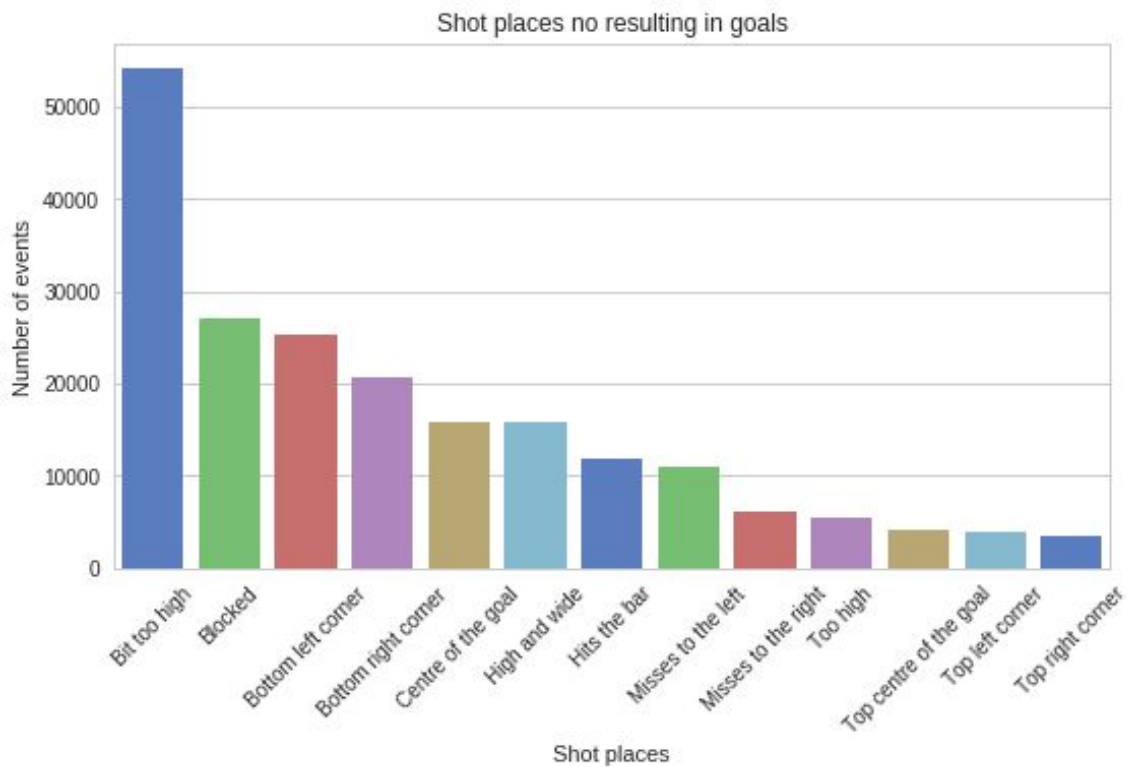
**When are goals most likely to be scored in La Liga:**



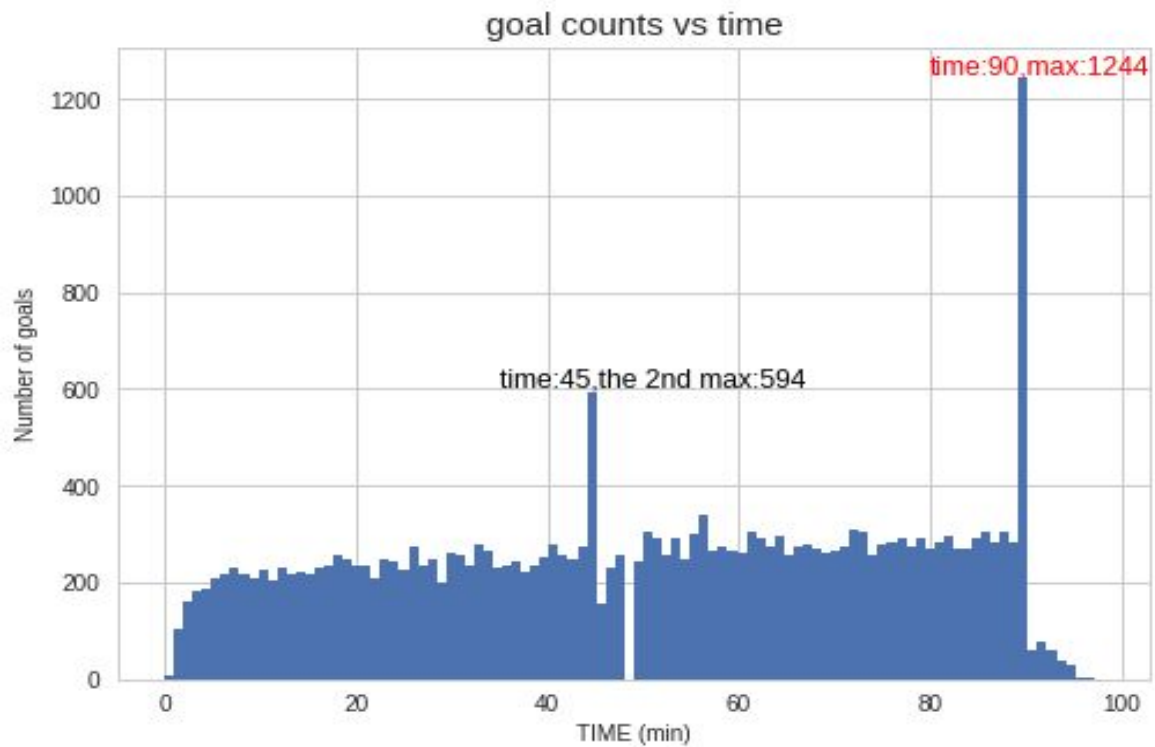
**Shots on goal that resulted into Goals:**



**Shots on goal that did not result into Goals:**



**Total number of goals scored every minute:**

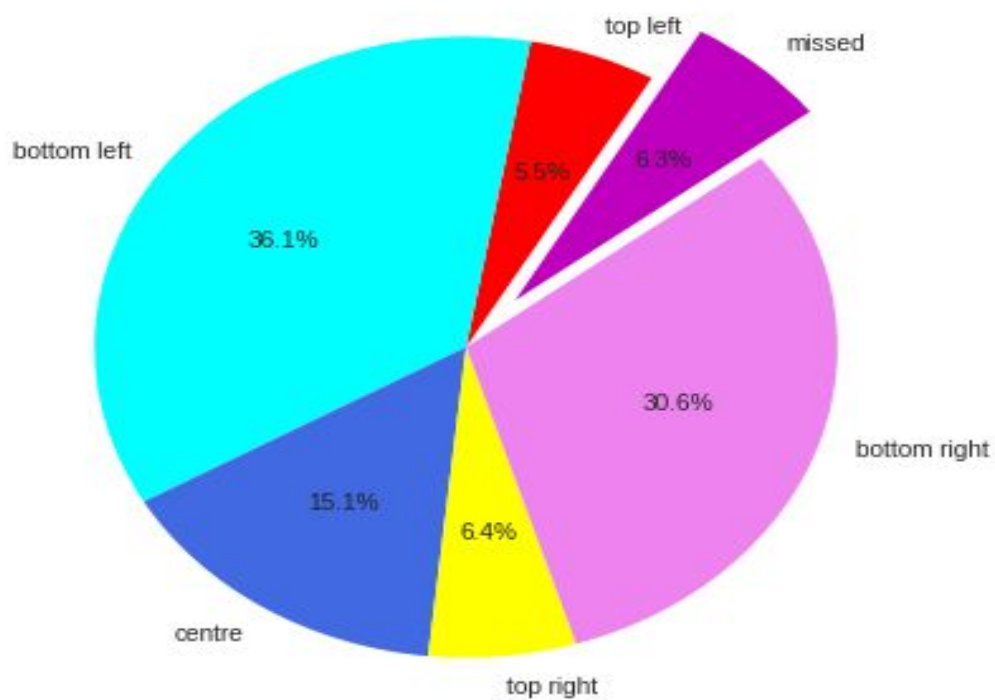


Penalties scored right foot vs left foot:



Placement of penalties on the goal:

**Percentage of each placement of penalties**



Most effective teams in terms of Shooting Accuracy

