**1. Performance Analysis**

* Which player has contributed the most in terms of goals and assists, and how does this impact team performance?
* Which players are most prone to receiving yellow cards, and what could be the potential reasons for this trend?
* What are the trends in player performance in terms of goals and assists over time?
* What is the probability of a player being both a team captain and scoring a goal in a match?
* What is the probability that a player is a team captain and played more than 60 minutes in a match? How goals is distributed check using central limit theorem
* Can a regression model predict team performance based on historical player data like good or bad?

**2. Player Profile and Market Value**

* Which player has highest market value?
* How does market value of player in different stadiums?
* How player attributes such as assists or goals corelated with market value ?
* Can we predict a player's transfer fee using a simple regression model based on their recent performance stats?
* How do player attributes correlate with their market value using multilinear regression
* How does player age impact market value?

**3. Team Comparison**

* Is there a significant difference in the average number of goals scored by home clubs compared to away clubs?
* Which team has high number of goals in home and away matches?
* Which team has nigh number of players ?
* Can we cluster teams into performance categories based on key metrics?

**4. Attendance and Stadium Analysis**

* How can KNN classification help identify the factors affecting stadium attendance for specific matches?
* Which stadium features has high goal is home and away teams or clubs?
* Which stadium has high market value?
* What are the differences in attendance patterns between domestic league matches and international competitions?
* How can KNN classification be used to classify stadium attendance levels (high, medium, low) based on match-specific, team-related, and external factors?

**5. Referee Analysis**

* How does referee decision-making (e.g., fouls called, yellow cards issued) influence match outcomes?
* Which referee has given highest yellow cards?
* How many games each referee attended in all different competitions?
* How many different competitions types each referee attended?

**6. Substitution Patterns**

* What is the total substitutions of each in all matches that impact match?
* What total number of substitutions in each position?
* Is there any favourable substitution for each players that can be linked to team success?

**7. Event Analysis**

* Is there a statistically significant difference in the average number of critical events (e.g., goals, red cards, substitutions) occurring during home matches compared to away matches?
* How many players involved in different events?
* What is total time that an event occurred in game?
* Which types of events (e.g., goals, fouls, offsides) occur most frequently in teams?

**8. Competition Analysis**

* Is there a significant difference in scoring averages between domestic leagues and international tournaments using hypothesis testing?
* How many total goals scored in each competition and which player has most goals in each competition?
* How many total stadiums in each competition?

**9. Player Attributes and Demographics**

* How can players be clustered based on performance metrics (e.g., goals, assists, minutes played) to identify high performers, average players, and underperformers?
* Are there demographic trends (e.g., age, nationality) in player performance?
* Does player market value effect base on experience?
* How do player attributes vary across positions (e.g., goalkeeper, defender)?

**10. Contract Management**

* Which players have contracts expiring within the next 6 months, grouped by their agents?
* What is the total market value of players whose contracts are expiring within the next year?
* What are the performance statistics (goals, assists, minutes played) of players with contracts expiring soon, and how do they compare to those with longer-term contracts?