

Dataset Description

This dataset contains detailed statistics for football players in the English Premier League. Each row represents a single player and includes information such as their name, team, playing position, nationality, number of goals scored, total shots taken, and assists made.

Descriptive Analytics

What is the total number of goals in the dataset?

What is the distribution of players by position?

What is the average number of shots per player?

What are the top 10 players with the highest number of goals?

How many players are in each team?

What are the top 10 Clubs with the highest number of goals?

Diagnostic Analytics

**Do forwards score significantly more goals
than midfielders**

**Is there a correlation between number of shots and
goals scored**

Predictive Analytics

Can we predict how many goals a player will score based on their past performance

Which goalkeeper is likely to keep the most clean sheets in upcoming matches

Prescriptive Analytics

You are the coach of the England national team:

Which player would you bring to the team
to increase its offensive contributions

Which goalkeeper would you bring to the
team to reduce the goals conceded

**Now we have to convert
the questions into :**

Univariate Questions

Bivariate Questions

Multivariate Questions

Univariate Questions

What is the total number of goals in the dataset?

What is the distribution of players by position?

What is the average number of shots per player?

What are the top 10 players with the highest number of goals?

How many players are in each team?

Bivariate Questions

What are the top 10 Clubs with the highest number of goals

What is the distribution of goals by position

What is the correlation between number of shots and goals scored

Multivariate Questions

Who are the top 'English' 'forwards' in terms of total goal contributions ('goals' + 'assists')

Who are the top 'English' 'goalkaper' in terms of total "Saves" & 'Clean Sheets