



Premier League

Data Analysis Report

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Case Study

Premier League 20/21 Data Analytics Report.

all major teams are investing more than ever before into big data, analytics and AI managers and backroom staff at the football clubs are able to focus on the small details that matter.

Football is the most famous sport with 4 billion fans around the world Premier League is the top level of the English football league system, contains 20 clubs. Currently (in 2021), it is the best league in the world

The dataset has all the players that played in the EPL and their standard stats such as Goals, Assists, xG, xA, Passes Attempted, Pass Accuracy and more

Manchester City were crowned champions, with Man Utd finishing 2nd.

The dataset is available on KAGGLE as well as on my github.

This report talks about goals, assists, yellow/red cards, age vs performance etc.

Around the world, all top teams use data analytics..

Among them are teams such as City, Liverpool, United, and Chelsea..

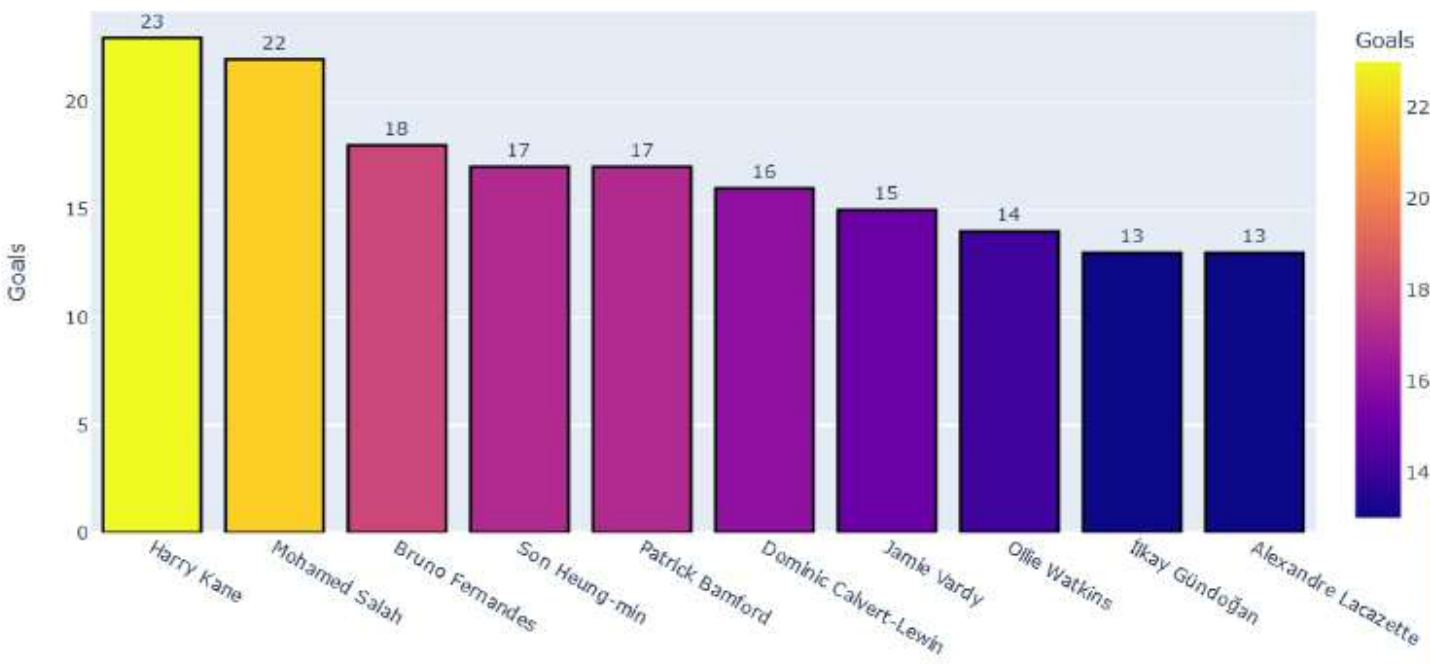
The teams can use the data to understand every aspect of the game, whether it is the counter attack strategies or the area of press on the field and how they defend set pieces,



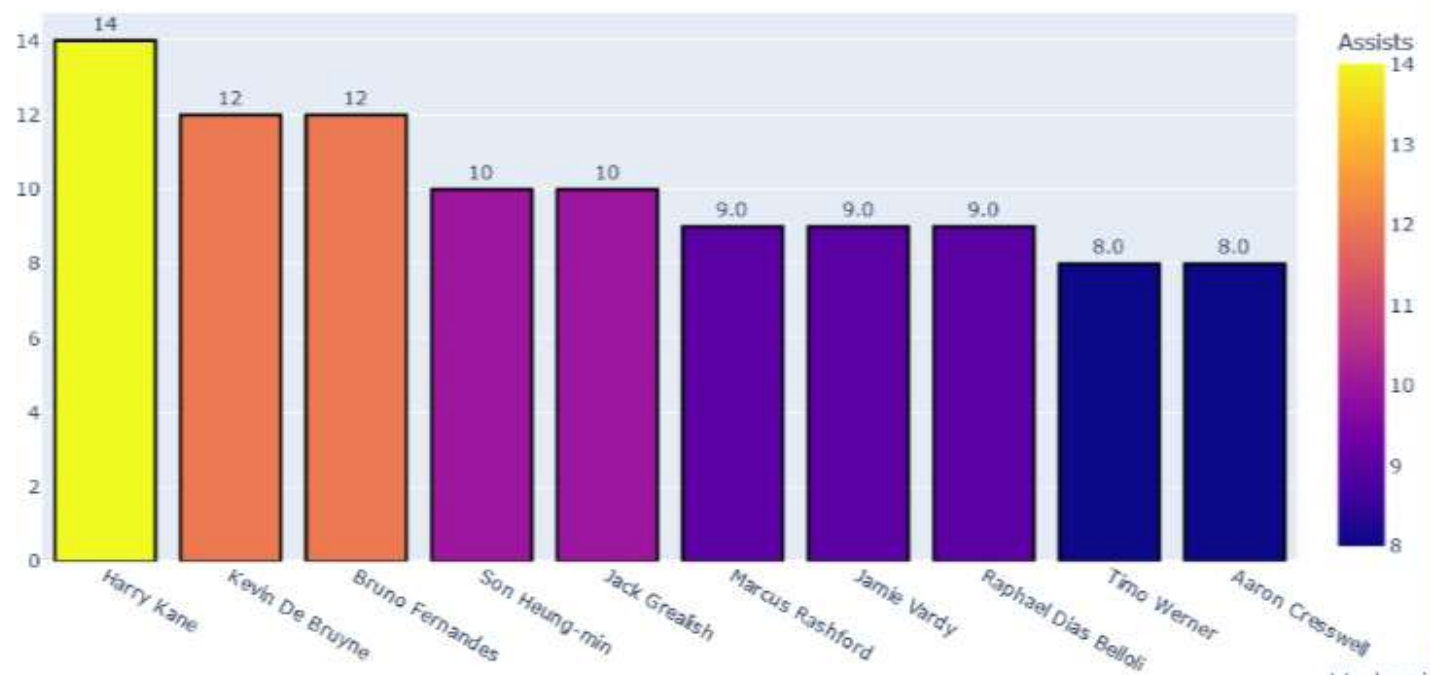
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Goals & Assists

Goals, HARRY KANE with most goals



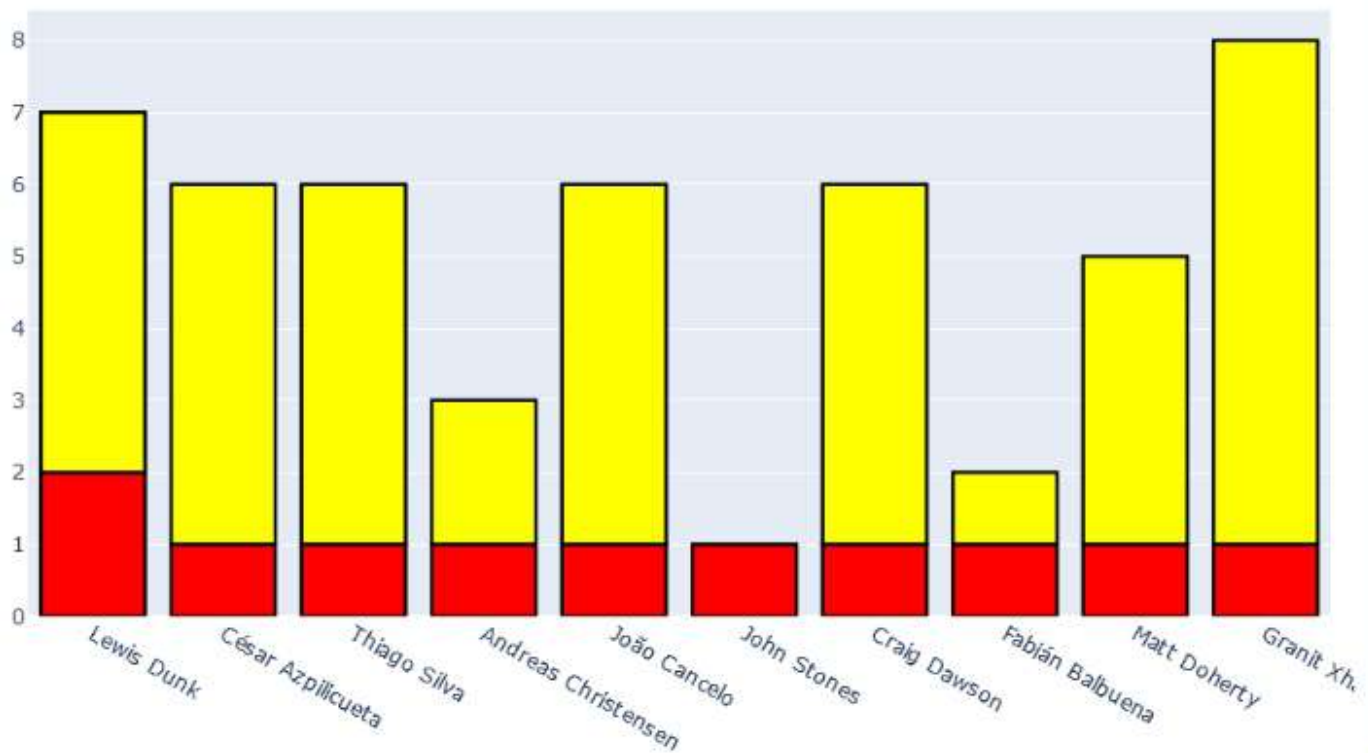
Assists, KANE again.



Discipline

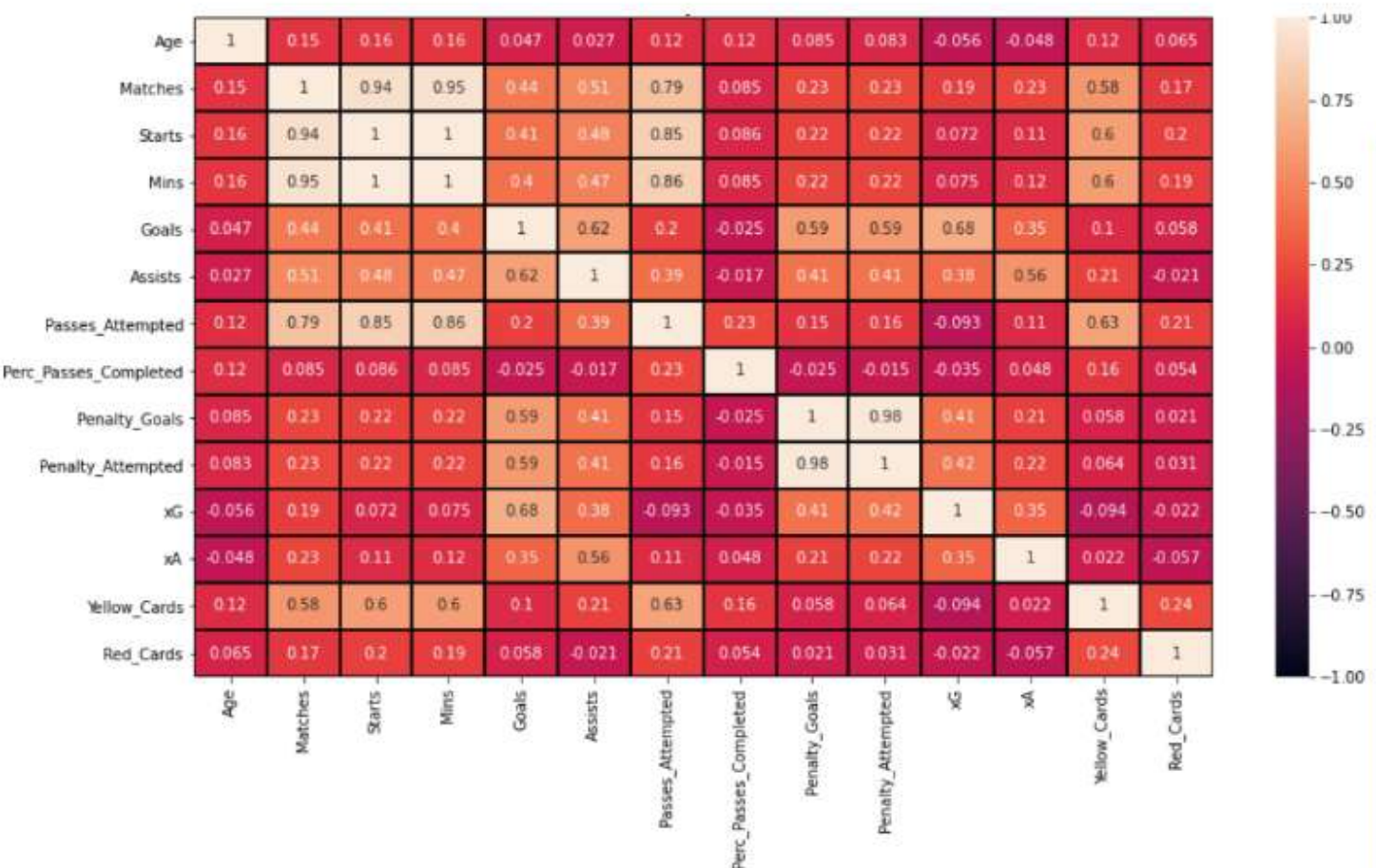


Yellow & Red card count



Correlation Matrix

Correlation Matrix of the dataset.
Showing the relationships between data.



A linear correlation coefficient that is greater than zero indicates a positive relationship. A value that is less than zero signifies a negative relationship. Finally, a value of zero indicates no relationship between the two variables x and y.