FIFA 19

EXPLORATORY DATA ANALYSIS

About FIFA WORLD CUP :

The FIFA World Cup, often simply called the World Cup, is an international association football competition contested by the senior men's national teams of the members of the Fédération Internationale de Football Association (FIFA), the sport's global governing body.

fifa_eda dataset:

Our dataset consists of 18 attributes about 18207 players including their :
- ID
- NAME
- NATIONALITY
- WAGE
- CLUB
- HEIGHT
- WEIGHT
- RELATIVE CLAUSE
- Etc.

Data cleaning:

Dataset cleaning is an important set of any EDA as it will help in understanding the patterns well. We will start by seeing whether the dataset has any null values or not.

We see that the attributes such as 'Club', 'Contract Valid Until', 'International Reputation', 'Skill Moves', 'Value' contains null values. We removed the tuples which contain such null values
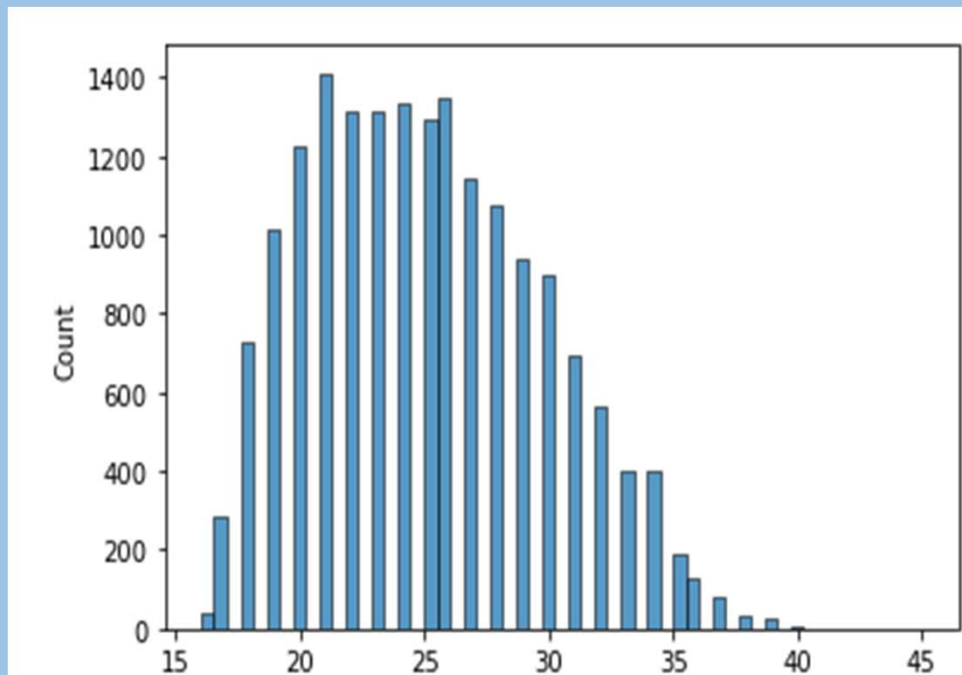
EDA and Modelling:

1. Checking no of unique instant of an attribute

```
ID 17907
Name 16913
Age 28
Nationality 163
Overall 48
Potential 47
Club 651
Value 216
Wage 143
Preferred Foot 2
International Reputation 5
Skill Moves 5
Position 27
Joined 22
Contract Valid Until 35
Height 21
Weight 57
Release Clause 1245
```
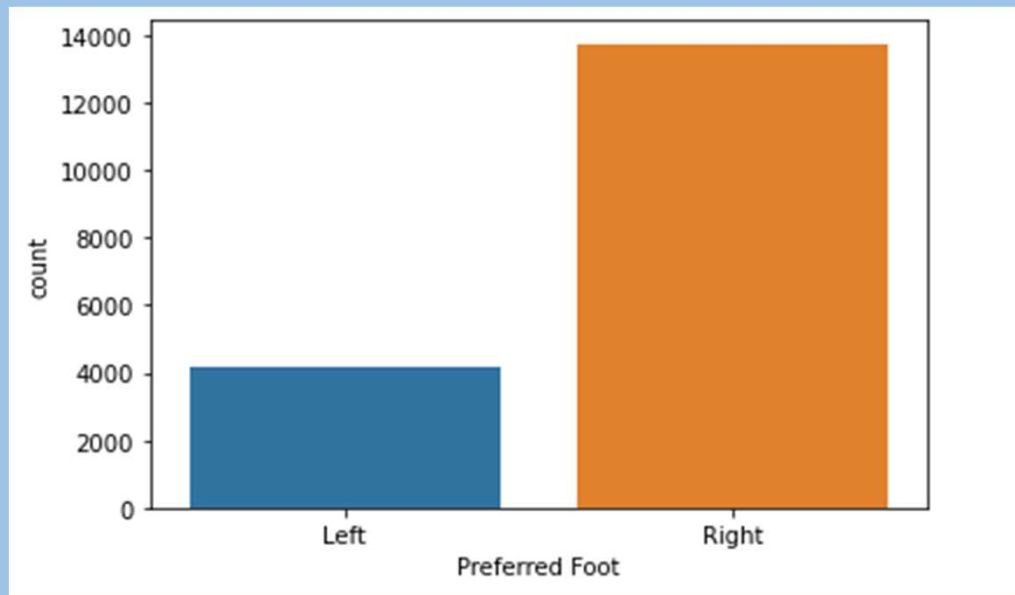
We got details regarding unique instant of each attribute as given.
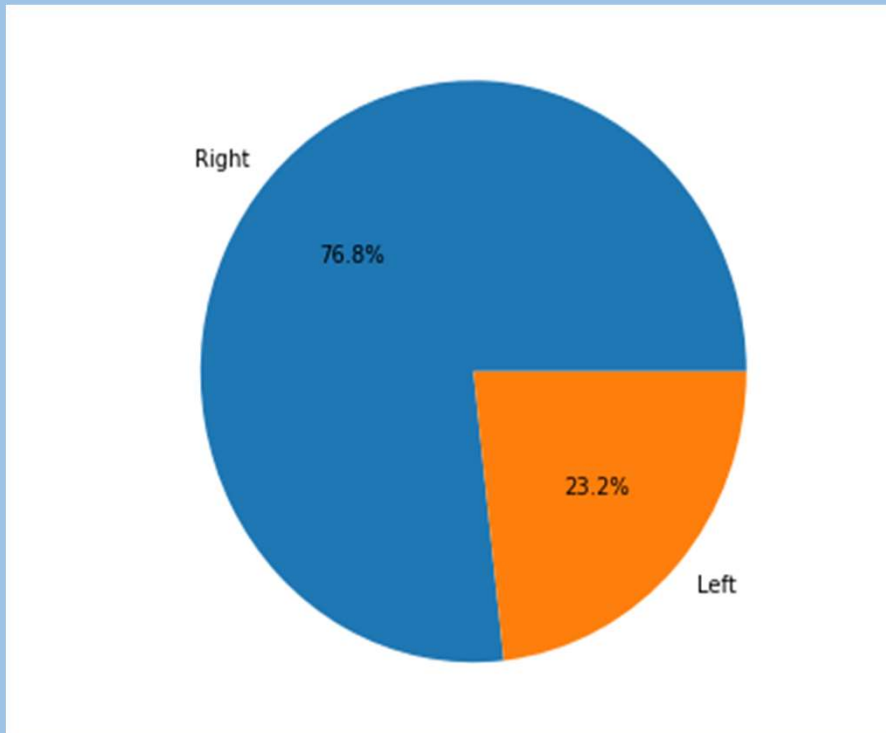
2.To find median age

Median age of players is about 25

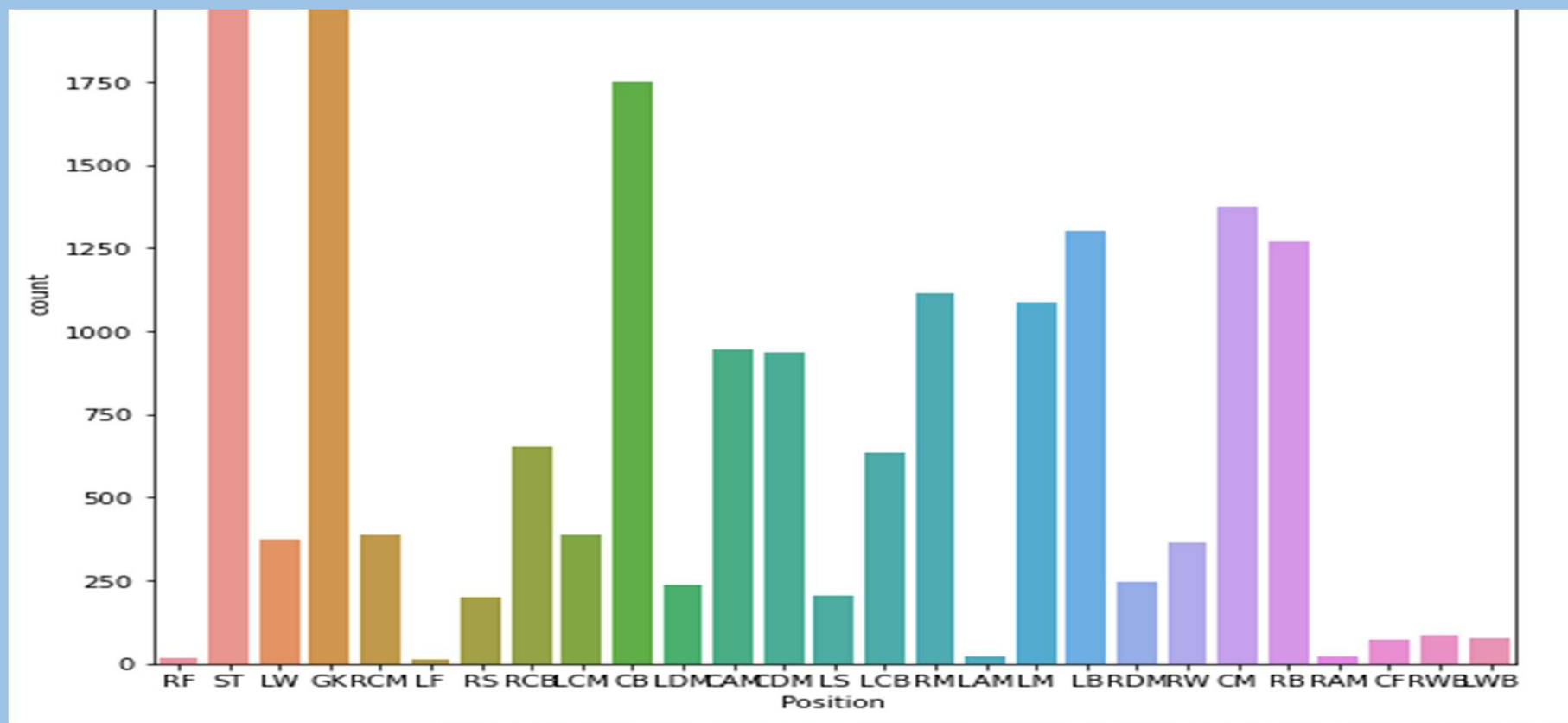3. check whether majority of players prefer left foot or right foot

Most people prefer right foot.

4.check how much percentage of players prefer left foot or right foot
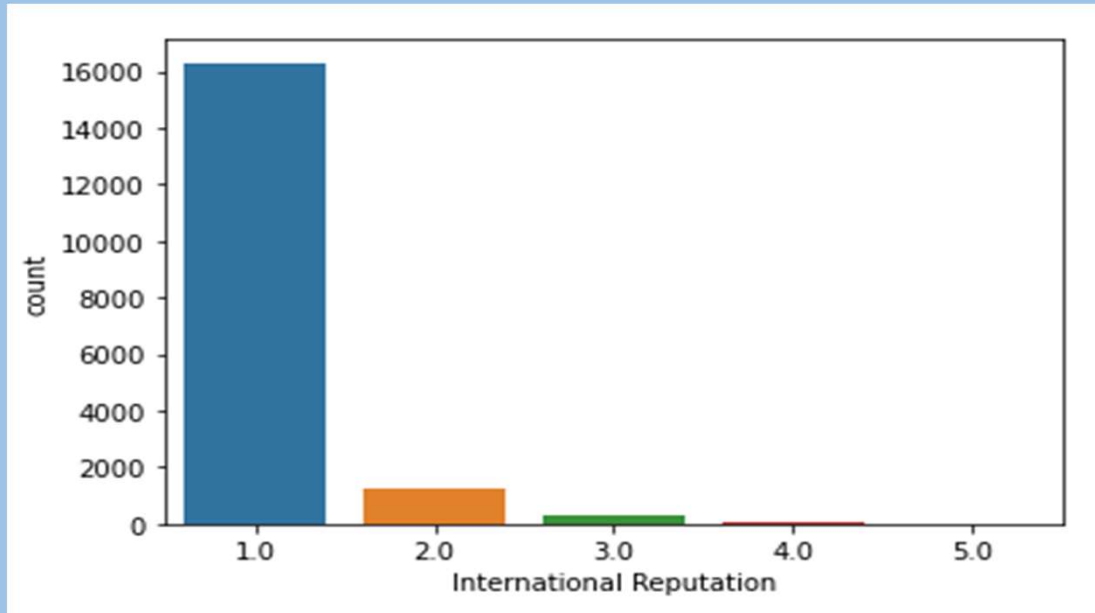

76.8% prefer right foot.

5. to find which position most players are play in
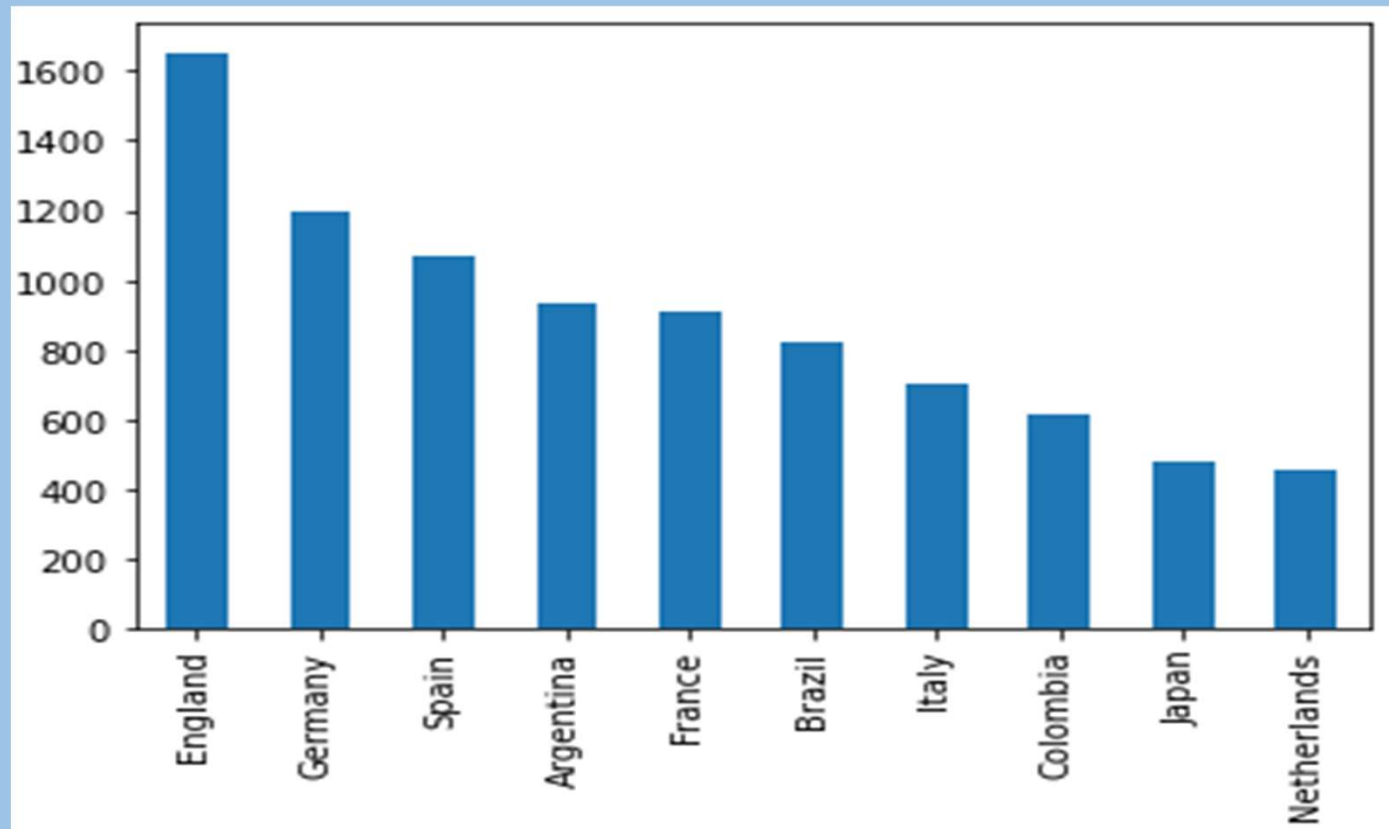

It seems as though most players play in the ST position

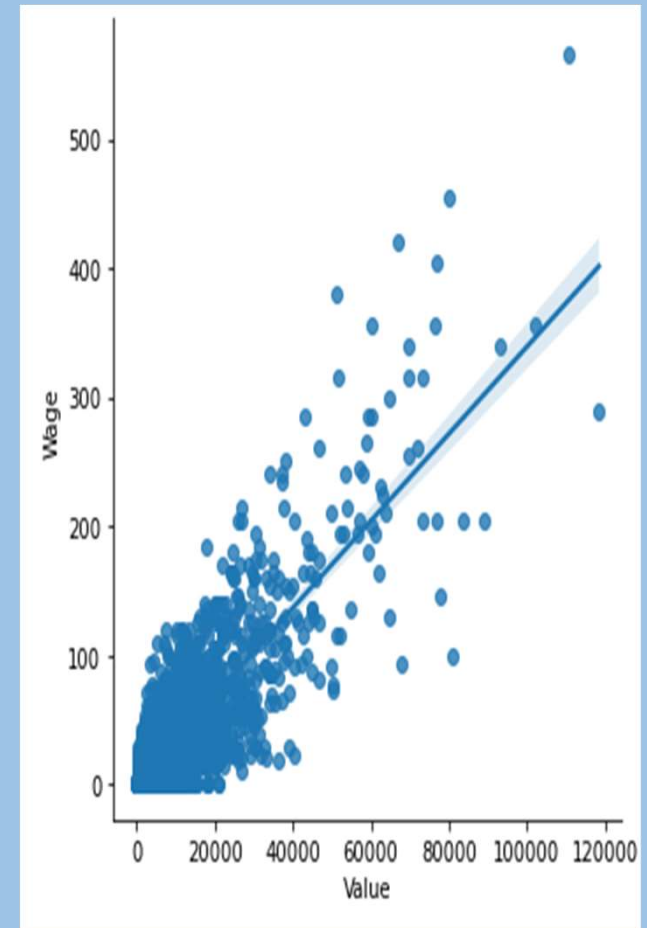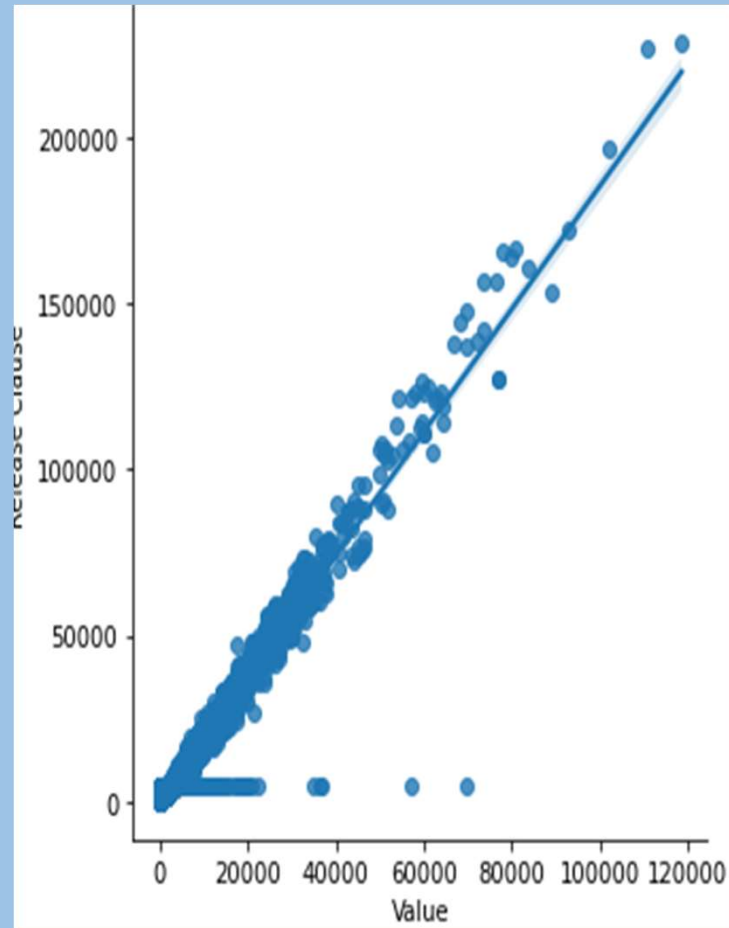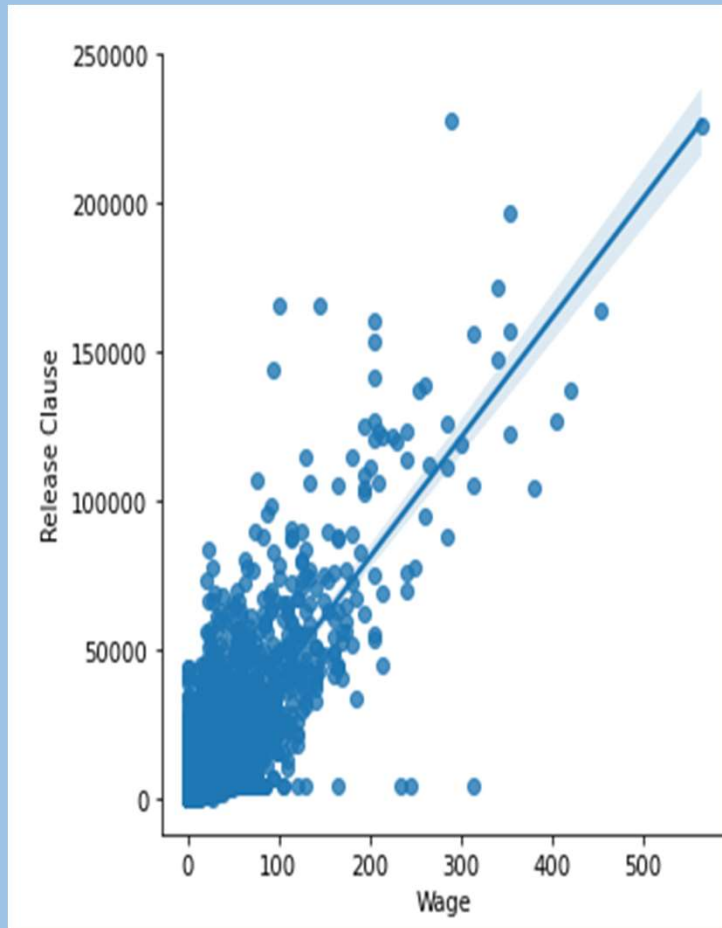6. to find how strong are their reputation on a scale of 1-5

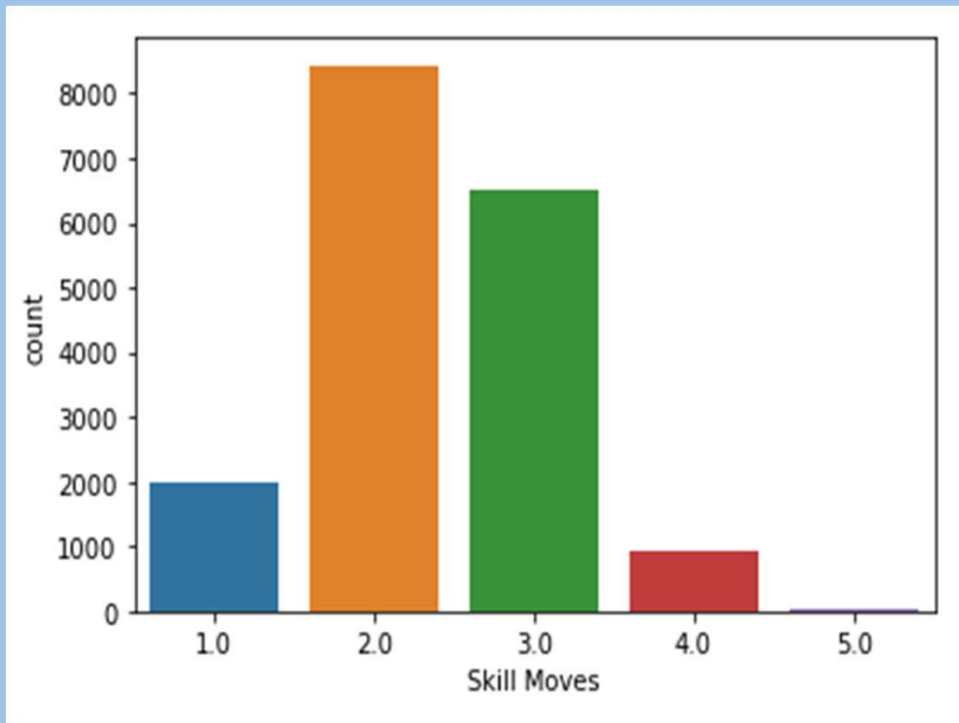This gives us any early idea as to how many players have the highest international reputation.

7.to find the top 10 countries with the most players in FIFA.

8.to find relation between Wage, Release Clause and Value.

9. To know about Skill Moves of a Player

Most of the players are of skill set point 2.

10.top 5 clubs with most players.