```
import pandas as pd
from matplotlib import pyplot as plt
import seaborn as sns
```

```
ipl=pd.read_csv('/content/drive/MyDrive/DATA/matches.csv')
```

```
ipl.head()
```

	id	season	city	date	team1	team2	toss_winner	toss_decision	
0	1	2017	Hyderabad	2017-04-05	Sunrisers Hyderabad	Royal Challengers Bangalore	Royal Challengers Bangalore	field	
1	2	2017	Pune	2017-04-06	Mumbai Indians	Rising Pune Supergiant	Rising Pune Supergiant	field	
2	3	2017	Rajkot	2017-04-07	Gujarat Lions	Kolkata Knight Riders	Kolkata Knight Riders	field	
3	4	2017	Indore	2017-04-08	Rising Pune Supergiant	Kings XI Punjab	Kings XI Punjab	field	
4	5	2017	Bangalore	2017-04-08	Royal Challengers Bangalore	Delhi Daredevils	Royal Challengers Bangalore	bat	

```
ipl.shape
```

```
(756, 18)
```

```
ipl['player_of_match'].value_counts()
```

```
CH Gayle          21
AB de Villiers    20
RG Sharma         17
MS Dhoni          17
DA Warner         17
                  ..
PD Collingwood     1
NV Ojha            1
AC Voges           1
J Theron           1
S Hetmyer          1
Name: player_of_match, Length: 226, dtype: int64
```
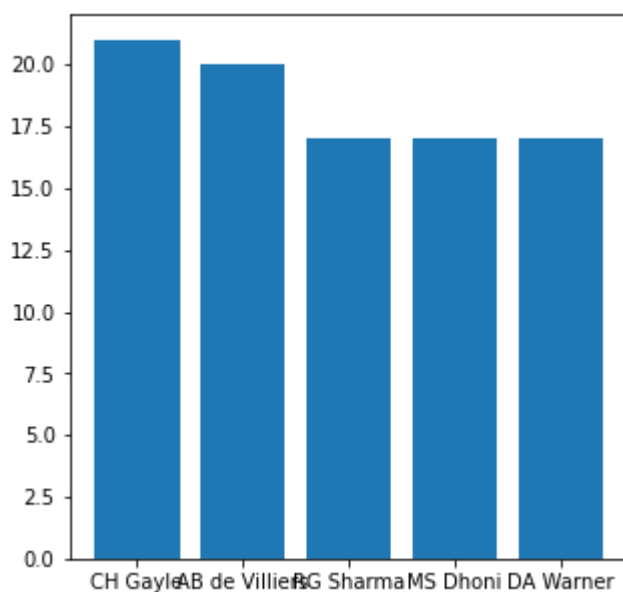
```
ipl['player_of_match'].value_counts()[0:10]
```

```
CH Gayle          21
AB de Villiers    20
RG Sharma         17
MS Dhoni          17
DA Warner         17
YK Pathan         16
SR Watson         15
SK Raina          14
G Gambhir         13
MEK Hussey        12
Name: player_of_match, dtype: int64
```

```
ipl['player_of_match'].value_counts()[0:5]
```

```
CH Gayle          21
AB de Villiers    20
RG Sharma         17
MS Dhoni          17
DA Warner         17
Name: player_of_match, dtype: int64
```

```
plt.figure(figsize=(5,5))
plt.bar(list(ipl['player_of_match'].value_counts()[0:5].keys()),list(ipl['player_of_match'
plt.show()
```



```
ipl['result'].value_counts()
```

```
normal       743
tie            9
no result      4
Name: result, dtype: int64
```

```
ipl['toss_winner'].value_counts()
```

```
Mumbai Indians            98
Kolkata Knight Riders     92
```

```
Chennai Super Kings             89
Royal Challengers Bangalore     81
Kings XI Punjab                 81
Delhi Daredevils                80
Rajasthan Royals                80
Sunrisers Hyderabad             46
Deccan Chargers                 43
Pune Warriors                   20
Gujarat Lions                   15
Delhi Capitals                  10
Kochi Tuskers Kerala             8
Rising Pune Supergiants          7
Rising Pune Supergiant           6
Name: toss_winner, dtype: int64
```

```
batting_first=ipl[ipl['win_by_runs']!=0]
```

```
batting_first.head()
```

	id	season	city	date	team1	team2	toss_winner	toss_decision
0	1	2017	Hyderabad	2017-04-05	Sunrisers Hyderabad	Royal Challengers Bangalore	Royal Challengers Bangalore	field
4	5	2017	Bangalore	2017-04-08	Royal Challengers Bangalore	Delhi Daredevils	Royal Challengers Bangalore	bat
8	9	2017	Pune	2017-04-11	Delhi Daredevils	Rising Pune Supergiant	Rising Pune Supergiant	field
13	14	2017	Kolkata	2017-04-15	Kolkata Knight Riders	Sunrisers Hyderabad	Sunrisers Hyderabad	field
14	15	2017	Delhi	2017-04-15	Delhi Daredevils	Kings XI Punjab	Delhi Daredevils	bat

```
plt.figure(figsize=(7,7))
plt.hist(batting_first['win_by_runs'])
plt.show()
```