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 r**

**0** 1 2017 Hyderabad 2017- 04-05

**1** 2 2017 Pune 2017-

Sunrisers Hyderabad

Mumbai

Royal

Challengers Bangalore

Rising

Royal

Challengers Bangalore

Rising Pune

field

04-06

**2** 3 2017 Rajkot 2017- 04-07

**3** 4 2017 Indore 2017- 04-08

**4** 5 2017 Bangalore 2017-

Indians

Gujarat

Lions

Rising

Pune

Supergiant Royal

Pune

Supergiant

Kolkata

Knight

Riders

Kings XI Punjab

Delhi

Supergiant field

Kolkata

Knight Riders field

Kings XI

Punjab field Royal

ipl.shape

(756, 18)

04-08

Challengers Bangalore

Daredevils

Challengers Bangalore

bat

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

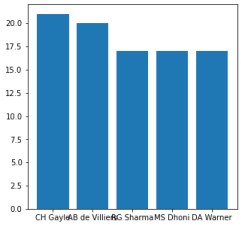
MS Dhoni 17

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

**4** 5 2017 Bangalore 2017- 04-08

**8** 9 2017 Pune 2017-

Sunrisers Hyderabad

Royal

Challengers Bangalore

Delhi

Royal

Challengers Bangalore

Delhi

Daredevils Rising

Royal

Challengers Bangalore

Royal

Challengers Bangalore

Rising Pune

field bat

04-11

**13** 14 2017 Kolkata 2017- 04-15

**14** 15 2017 Delhi 2017- 04-15

plt.figure(figsize=(7,7))

plt.hist(batting\_first['win\_by\_runs']) plt.show()

Daredevils

Kolkata

Knight

Riders

Delhi

Daredevils

Pune

Supergiant

Sunrisers Hyderabad

Kings XI

Punjab

Supergiant field

Sunrisers

Hyderabad field

Delhi

Daredevils bat