

Karanjot Singh

In [185]:

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1 import pandas as pd
2 import numpy as np
3 data = pd.read_csv('matches.csv')
4
5 print("Q1.How many matches we've got in the dataset?")
6 print("Number of Matches in Dataset:",data['id'].count())
7 df = pd.DataFrame(data)
8
9 print("\n\nQ2.How many seasons we've got in the dataset?")
10 print("No of Seasons in Dataset:",str(len(df.season.unique()))+"\n\n")
11
12 print("\n\nQ3.Which Team had won by maximum runs?")
13 index = df['win_by_runs'].idxmax()
14 print(df.get_value(int(index),'winner'),'Won By Max Runs\n\n')
15
16 print("\n\nQ4.Which Team had won by maximum wicket? ")
17 index = df['win_by_wickets'].idxmax()
18 print(df.get_value(int(index),'winner'),'Won By Max Wickets\n\n')
19
20 print("\n\nQ5.Which Team had won by closest Margin (minimum runs)?")
21 index = df['win_by_runs'].idxmin()
22 print(df.get_value(int(index),'winner'),'Won By Closest Margin\n\n')
23
24 print("\n\nQ6.Which Team had won by minimum wickets?")
25 index = df['win_by_wickets'].idxmin()
26 print(df.get_value(int(index),'winner'),'Won By min Wickets\n\n')
27
28 print("\n\nQ7.Which Season had most number of matches?")
29 print(df.groupby(df.season.tolist(),as_index = False).size().idxmax(),'This Season is I
30 df['Total_comp'] = df['toss_winner'] == df['winner']
31 Rate = df.Total_comp.value_counts()
32 print("\n\nQ8.Which IPL Team is more successful?")
33 gk = df.groupby('winner').count()
34 print(gk.id.idxmax(),"is Most Successfull\n\n")
35
36 print("\n\nQ9.Has Toss-winning helped in winning matches?")
37 if Rate.idxmax():
38     print("Yes Toss winning helps in match Winning ")
39 else:
40     print("No Toss Winning Doesnot help in Match winning")

```

Q1.How many matches we've got in the dataset?
 Number of Matches in Dataset: 636

Q2.How many seasons we've got in the dataset?
 No of Seasons in Dataset: 10

Q3.Which Team had won by maximum runs?
 Mumbai Indians Won By Max Runs

Q4.Which Team had won by maximum wicket?
 Kolkata Knight Riders Won By Max Wickets

Q5.Which Team had won by closest Margin (minimum runs)?
Rising Pune Supergiant Won By Closest Margin

Q6.Which Team had won by minimum wickets?
Sunrisers Hyderabad Won By min Wickets

Q7.Which Season had most number of matches?
2013 This Season is Most Number of Matches

Q8.Which IPL Team is more successful?
Mumbai Indians is Most Successfull

Q9.Has Toss-winning helped in winning matches?
Yes Toss winning helps in match Winning

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