

2nd Semester B. Tech

DSE 1271 Data Visualization [1 0 3 2]

Week 7 , Exercise 2: Dataset : Matches.csv from Indian Premier League (Cricket)

Source: <https://www.kaggle.com/datasets/manasgarg/ipl>

Variables in the dataset:

```
0    id
1    season
2    city
3    date
4    team1
5    team2
6    toss_winner
7    toss_decision
8    result
9    dl_applied
10   winner
11   win_by_runs
12   win_by_wickets
13   player_of_match
14   venue
15   umpire1
16   umpire2
17   umpire3
```

Ex 2. Answer the specified questions with data summarization and effective visuals. Write down your insights in the notebook as comments.

1. Find the names of teams that are part of IPL.
2. Visualize the total number of matches won by each team.
3. List the names of umpires who have served as third umpires and the number of matches.
4. Visualize how many matches were held in each venue.
5. Visualize the top 10 players identified as the player of the match for the most significant number of matches.
6. Visualize the bottom 10 venues where the least number of matches were played.
7. Visualize the number of wins of each team for the venue of 'MA Chidambaram Stadium, Chepauk'
8. Find and list the venues where the match resulted in a tie.
9. List and visualize the best teams(top 5), season-wise.
10. Analyse and visualize the relationship between winning the toss and winning the match.