

Lab 5 – SECTION A, BATCH 1 Date: 21st Sept. 2022

Exercise 1 – Descriptive Analytics and Visualization using Matplotlib, Seaborn: (Cross tabulation, distributions, Multi-variate analysis, Various Plots)

Use the IPL datasets and answer the following:

- 1) Count the total number of matches conducted in the year 2008
- 2) Find the city name where maximum and minimum number of matches conducted.
- 3) Find total count of matches city wise.
- 4) Find the Team which is maximum and minimum toss winner.
- 5) Check the toss decision that the team has taken.
- 6) Count the total number of normal and tie matches.
- 7) Find the team names where the match result is tie.
- 8) Find the team name who won the match by highest runs.
- 9) Find the team name who won the match by lowest runs.
- 10) Find the players who was awarded “Player of the match” more than 3 times.
- 11) Find the player who was awarded as player of the match maximum times.
- 12) Find the Venue where the team won the match by highest runs.
- 13) Find the Venue where the team won the match by lowest runs.
- 14) Find the Umpires who did umpiring maximum times.
- 15) Find the Total matches played in each season
- 16) Find the Total runs in each season
- 17) No. of tosses won by each team
- 18) Visualize the Toss decision across seasons
- 19) Find the Dismissal Kind and Visualize using best fit graph
- 20) Find the Top 10 run scorers in IPL and Visualize using best fit graph
- 21) Visualize the Highest MOM award winners
- 22) Find Total Number of Played Matches by each team
- 23) Compare Total Played Matches vs Winning Matches vs Win Rate
- 24) Find the Distribution of Won the Matches
- 25) Ratio between Total Matches and Win Matches
- 26) What is the choice of each team after winning the toss?