Practicals 1

Multivariate Data Visualization

Your Name (Reg No)

Objective: Exploring multivariate data visualization techniques

Consider the data set csk.xlsx. The data set has 8 indian cricket players', of Chennai Super Kings, performance in the IPL 2018. The description of the variables are as follows:

- PLAYER : Name of the Player
- Bt_Avg : Batting average
- SR : Strike rate
- 4s : Number of fours hit in IPL 2018
- 6s : Number of sixers in IPL 2018
- Ratio_inn_mat : Ratio of Innings to total matches played

Answer all the questions below:

Note that, all the plots has to be captioned and the axis are to be labeled.

Question 1: Using Chernoff faces, identify which player is the best?

Question 2: Use 3d scatter plot to visualize the distribution of Bt_Avg, 4s and 6s.

Question 3: Plot the pair wise scatter plots for the variables other than 'PLAYER'.

Question 4: Using Stars portray the performance of each player.

Question 5: Visualize the strike rate for each players with respect to their 4s and 6s. What is the relationship you can infer from that? (Use glyphs)

Bonus Question: What is the averge strike rate of the players? Visualize the relationship between the Batting averge and Strike rate.