

Set 2

1. Analyze dataset (FIFA 2018 statistics.csv) to predict man of the match by building linear regression model using python

- a. Read dataset, analyse the numerical and categorical features.
- b. Analyse the impact of feature from other using pearson correlation coefficient, pairplots.
- c. Detect outliers and remove it.
- d. Process the missing values and fill it with sum.
- e. Build a linear regression model
- f. Perform statistics tests.
- g. Train the model
- h. Predict man of the match using the model
- i. Analyze the performance of the model and visualize it.

2. Create employee table with the following schema using MongoDB and implement the following:
{eid, ename, dept, designation, salary, yearofjoining, address{dno, street, locality, city}}

Note: Insert 10 records.

- a. Display all the employees with salary in range (50000, 75000)
- b. Update the salary of employee whose designation is 'Developer' by 5000 increment
- c. Display the details of employees are ranked as 'TOP 5' based on the salary they receive.
- d. Remove the details of an employee who are not assigned with any department.
- e. Display the count of employees in each department
- f. Perform data replication on "Employee management DB". If needed along with department table, also you can create other supporting tables.

3. Create an AWS instance and deploy the employee details in AWS .