Assignment-4

DATA MINING AND DATA WAREHOUSING LAB (CSX-425)

NIT Jalandhar Solve all the questions

Q1: As a crop researcher, you want to test the effect of three different fertilizer mixtures on crop yield. You can use a one-way ANOVA to find out if there is a difference in crop yields between the three groups. Using the following data, perform a one-way analysis of variance using α =.05.

Group-1	Group-2	Group-3
51	23	56
45	43	76
33	23	74
45	43	87
67	45	56
58	46	71

- a. Perform a one-way analysis of variance
- b. Calculate test statistic
- c. Interpreting the results
- d. State Conclusion
- e. Plot the graph for the same

Q2: Repeat the question 1 and perform one-way analysis of variance using inbuilt dataset in Rstudio.