

PROBABILIY AND STATISTICS PROJECT

Task-01

- Collect the data of **Dependent variable** (assigned to your group) and **Independent Variables** (keeping in mind literature review).
- Collect the data of variables from the Students of FAST University.

Task-02

Discuss Summary Statistics (Mean, Median, Mode, Quartiles) of each variable included in the Model using R output of summary statistics .

Task-03

- Construct Box and Whisker Plots for all the variables in one diagram with different colors and identify outliers if any.

Task-04

- Construct Scatter Plot for all the variables on one grid. And interpret each part of the grid separately

Task-05

- There should be at least three independent variables in the model.
- Run a MLRM Regression Model using R and Interpret the output of the model
- In case you find that Regression output shows that more independent variables are insignificant then replace that insignificant variable with a new one which is significant.
- Identify Coefficient of Determination from the R output and interpret it.
- Project must contains
 - Introduction,
 - Literature Review,
 - Regression Model and Variables
 - Description, Results and Discussion,
 - References

NOTE: Submit the following files on Submission Day

- Excel File of Data Collection
- R File of Programming
- Word and Pdf File of Final Project

SUBMISSION DATE: 20th November 2024