

Stat-226 Statistical Data Analysis IV

50 Marks: 02 Credits

Number of Class: 20-26

Group A (Regression Analysis): Marks 20

Estimate the Regression Model, Construction of Fitted Line, Calculation of Coefficient of Determination, Correlation Coefficient, Different Model Selection Criteria, Test of Significance of Regression Coefficients, Confidence Interval for Regression Coefficients, and Detection of Outliers by Different Methods.

Group B (Data Processing with Software): Marks 20

Computing Descriptive Statistics, Correlation, Regression, Comparing Group Means, Analysis of Categorical Data, Tests, Analysis of Variance, Demography, Graphical Representation etc. by both SPSS and SAS.

Group C (Statistical Quality Control and Industrial Statistics): Marks 10

Construction of Different Control Charts and OC Curve, Drawing of ASN, AOQ, AOQL, AQL, Simple, Double and Multiple Sample Scheme.

Viva-Voce: 50 Marks