List of Experiments

Paper Code(s): BS-252

Paper: Probability, Statistics and Linear Programming Lab

1. Installation of Scilab and demonstration of simple programming concepts like transpose of a matrix, matrix addition, and matrix multiplication (using loops).

2. Fitting of binomial distributions for given n and p.

3. Fitting of binomial distributions after computing mean and variance.

4. Fitting of Poisson distributions for given value of lambda.

5. Fitting of Poisson distributions after computing mean.

6. Fitting of normal distribution when parameters are given.

7. Fitting of regression lines.

8. Solve a LPP of three variable using Simplex Method.

9. Solve a Transportation problem of three variables.

10. Solve an Assignment problem of three variables.

11. Program to plot normal distributions and exponential distributions for various parametric values.