

Progressive Education Society's
Modern College of Arts, Science and Commerce,
Shivajinagar, Pune – 5

First Year of B.Sc. Comp Science
(Course under NEP 2020)

Course Code: 23CsCmpU2601

Course Name: Statistical Analysis using R programming II

Teaching Scheme: 4 Hours/Week

Credit: 2

Examination Scheme: CIA: 20 Marks

End-Sem: 30 Marks

Pre-requisites:

- Good logic and aptitude
- Basic knowledge of R programming

Course outcome: On completion of the course, student will be able to understand:

- Statistical techniques, applications and R programming.

Sr.No.	Title of Experiment/ Practical
1	Fitting of second degree and exponential Curves
2	Simple linear regression
3	Multiple regression
4	To draw sample using SRSWR ,SRSWOR
5	To draw sample using stratified and systematic sampling
6	Time Series I
7	Time Series II
8	Fitting of uniform and exponential distributions
9	Fitting of normal distribution
10	Large Sample tests I
11	Large Sample tests II
12	Tests based on t - distribution
13	Test based on chi-square Distribution
14	Simulation I
15	Simulation II

***All practical are to be performed using R software.**