

Progressive Education Society's
Modern College of Arts, Science and Commerce,
Shivajinagar, Pune - 5
First Year of B.C.A. (Science) (B.C.A. Science)
(NEP 2024)

Course Code: 24CsBCAU1601

Course Name: Lab on Statistical Methods

Teaching Scheme: P (4 Hours/Week)

Credit: 02

Examination Scheme: CIA: 20 Marks

End-Sem: 30 Marks

Prerequisite Courses:

- Basic understanding of Statistical concepts

Course Objectives:

- To understand and master the concepts, techniques & applications of Statistical Methods.
- To develop the skills of solving real life problems using Statistical methods.
- To make students understand the art of applying statistical techniques to solve real-life problems
- To gain knowledge of Statistical Computations

Course Outcomes:

On completion of the course, student will be able to—

- Perform statistical analysis
- Represent data by diagrams
- Analyze data and draw conclusions
- Find probabilities and do prediction

Course Content

Expt.no.	Title of Experiment/ Practical
1	Graphical Representation of Data
2	Measures of Central Tendency-I
3	Measures of Central Tendency-II
4	Measures of Dispersion-I
5	Measures of Dispersion-II
6	Correlation
7	Linear Regression
8	Permutations and Combinations
9	Probability-I
10	Probability-II
11	Problem Set-I
12	Problem set-II

Reference Books:

- 1) S.C. Gupta -Fundamentals of Statistics, ISBN-13: 978-8183183390
- 2) J.S Chandran -Statistics for Business and Economics, ISBN 978-1-5230-9514-8
- 3) S. P Gupta -Statistical Methods, ISBN-13: 978-0074634981
- 4) S.C Gupta, Gupta Indra -Business Statistics, ISBN: 8183184170
- 5) Amir D Aczel, JayavelSounderpandian -Complete Business statistics, ISBN-13: 978-0077108601
- 6) D.N. Elhance -Fundamentals of Statistics, ISBN-13: 978-8122500332