

Statistical Applications & Data Analysis in Business and Industry: I

The course is designed to provide a basic understanding of statistics and statistical methods used in business and industry. The course is specifically designed for working people in business and industry who are either using statistics and data analysis or plan to use and implement statistical methods. Upon completion of the course, one should be able to:

- use terminology associated with statistics and understand the importance and methodology of data collection, presentation and analysis
- understand descriptive and inferential statistics and importance of variability
- recognize methods for examining the uncertainty in decision making, and the role of probability theory in this context
- understand the importance and use of various probability distributions and their applications
understand the sampling distribution and the use of central limit theorem in the decision making process
- use techniques for estimating population values based on sample data
- understand the role and use of computers in statistical analysis.