

Course outcomes:

After completing this course a students will have:

- Knowledge of Statistics its scope and importance in various fields.
- Ability to understand Concepts of sample vs. population and difference between different types of data.
- Knowledge of methods for summarising data sets., including common graphical tools (such as boxplots, histograms and stem plots). Interpret histograms and boxplots.
- Ability to describe data with measures of central tendency and measures of dispersion.
- Ability to understand measures of skewness and kurtosis and their utility and significance.
- Ability to understand the concept of probability along with basic laws and axioms of probability.
- Ability to understand the terms mutually exclusive and independence and their relevance.
- Ability to identify the appropriate method (i.e union, intersection, conditional, etc.) for solving a problem.
- Ability to apply basic probability principles to solve real life problems.
- Ability to understand the concept of random variable (discrete and continuous). Concept of probability distribution.