**About Workshop**

The field of statistics is the science of learning from data. It offers essential insight in determining which data and conclusions are trustworthy. **It has become an inevitable part of research studies of almost any kind.** When working in fields such as science or medicine, trials are needed, and experimental data has to be collected and analyzed. The study of statistics enhances the critical thinking and enables researchers to look at a large set of data and condense it into meaningful information.

**Objectives:**

The world today produces more data than ever before, and this is why we are celebrating statistics. In order to extract useful information out of data you must have statistical knowledge to trust your data and your results. The workshop is an attempt to leverage the data analyzing ability leading to draw reliable conclusions.

* To implement the science of learning from data
* To enhance the theory and methods of extracting information from observational data for solving real-world problems
* To establish the science of potential uncertainty
* To demonstrate the art of telling a story with data

**Day-1**

**Resource Persons**

**Bhavya H**,

Theory Session-1: 11:00AM to 1:15PM

Foundations of Probability, Limit Theorems

Theory Session-2: 2:00PM to 3:00PM

Basic Statistics

**Yashwanth M.R**,

Practical Session: 3:00PM to 5:00PM

Foundations of Probability, Limit Theorems, Basic Statistics

**Day-2**

**Resource Persons**

**Bhavya H**,

Theory Session-1: 10:00AM to 1:15PM

Regression Analysis, Hypothesis Testing

Theory Session-2: 2:00PM to 3:00PM

Density Estimation

**Yashwanth M.R**,

Practical Session 3:00PM to 5:00PM

Regression Analysis, Hypothesis Testing, Density Estimation