

Program Overview

Fundamentals in Statistics for Analytics with R and Power BI

1. About the course:

This Statistics for Analytics course is designed to introduce you to the basic principles of statistical methods and procedures used for data analysis. After completing this course you will have practical knowledge of crucial topics in statistics including - data gathering, summarizing data using descriptive statistics, displaying and visualizing data, examining relationships between variables, probability distributions, expected values, hypothesis testing, introduction to ANOVA (analysis of variance), regression and correlation analysis.

2. Course Objective:

The main objective of this course is to provide students with the foundations of probabilistic and statistical analysis mostly used in varied applications in Business, Science etc.

3. Job Opportunities:

- Assistant Manager- Analytics
- Data Analytics
- Senior Analytics
- Business Analytics
- Statistical Analytics

4. Course Outcomes:

Upon the successful completion of this course, the student will be able to:

- Understand the terminologies of basic probability, two types of random variables and their probability functions.
- Observe and analyse the behaviour of various discrete and continuous probability distributions.
- Understand the central tendency, correlation and correlation coefficient and also regression.
- How to derive the probability density function of transformations of random variables and use these techniques to generate data from various distributions.
- How to translate real-world problems into probability models.

5. Medium of Instruction or recording: Hindi and English

6. Minimum Eligibility: 12th pass or its equivalent from a recognized Board or University.

7. Pre-requisite:

- Any Bachelors degree with Math or Statistics or programming language computer as a paper or Any B.E / B.Tech students & working professionals.
- Basic working knowledge of Computers

8. Duration: - 60 days

9. Common Pre-requisites:

Hardware (Minimum Specification):

- Processor: Intel i58th Generations or Higher
- RAM: 8GB
- Graphic Card: Not Required
- Storage: 256 GB

Software

- R and Excel Sheet
- Passion for Excel and online learning
- OS: Windows* Linux* macOS*

10. Course Break-up:

This course is delivered as a blended program. It means it includes Recorded sessions and Live Sessions as well. The duration of each topic (Live or Recorded) varies, depending of the nature and need of the topic.

11. Qualifying Marks:

To get the certificate of completion, a student needs to obtain minimum 40 % aggregate marks.

12. Assessment:

Assessment of each student will be done on the basis of their score in Quizzes, assignment submitted, presence and interaction in live classes and finally completion of the course within the stipulated time period or before the expiry of their validity. Assessment and marking in assignments and live classes is done by the faculties of Boston Training Academy.

13. Assignment Submission Deadline:

On or before 7 days from release of assignment.

14. Grading: The grades are allocated as follows.

Grading Criteria		
S. No.	Marks Obtained	Grade
1.	90% and above	A+
2.	80% - 90%	A
3.	70% - 80%	B+

4.	60% - 70%	B
5.	50% - 60%	C+
6.	40 - 50%	C
7.	Less than 40%	Fail

15. Certification: Certificate of completion is provided jointly by CSC Academy and Boston Training Academy.