

STATISTICS



Statistics Live Class

Description:

Statistics is the discipline that concerns the collection, organization, analysis, interpretation and presentation of data. Statistics is the foundation behind all the work you want to do regarding Data Science. So, you must know all the statistical concepts to learn data science well. In this course, you will learn all the statistical concepts in detail that will be highly beneficial for various fields of Data Science.

Start Date:

Doubt Clear Time:

Course Time:

Features:

- # Online classes
- # Doubt Clearing
- # Live-Class Recording

- # Real-time Project
- # Assignment in all modules
- # Quiz in every module
- # Career Counselling
- # Completion Certificate

What we learn:

- # Understand what a Normal Distribution is.
- # Explain the difference between continuous and discrete variables
- # Understand the Central Limit Theorem
- # Use the Z-Score and Z-Tables
- # Understand the difference between normal distribution and t-distribution
- # Create confidence intervals
- # Understand standard deviations
- # Understand what a sampling distribution is
- # Apply Hypothesis Testing for Proportions
- # Use the t-Score and t-Tables

Requirements:

- # Basic understanding of Maths
- # A system with internet connection
- # Your dedication

Instructor:

Name:

Bharath J P V

Description:

Enthusiast Data Scientist with a strong background in Mathematics and Statistics. Completed My Master in Statistics. Have experience teaching Mathematics and Statistics for more than a year. I taught for more than 1000 students and helped them make their careers in their respective fields. I believe in "we rise by lifting others". Following this principle, I hope to make your life easier.

>Course introduction:

>>Introduction

>Stats Fundamental:

>>Statistics

>>Inferential Statistics

>>Descriptive Statistics

>>Mean, Median and Mode

>>Population vs Sample

>>Guassian or Normal Distribution

>>Log Normal Distribution

>>Covariance

>>Central Limit Theorem

>>Chebyshev's inequality

>>Pearson Correlation Coefficient

>>Spearman's Rank Correlation Coefficient

>>Standardlization vs Normalization

>Python:

>>Use of Python in Statistics

**>Representation and interaction
with Data:**

>>Data as a table

>>Pandas DataFrame

**>Hypothesis testing: Comparing
two groups:**

>>Student's T-test

>>Paired test

**>Linear models, multiple
factors, and analysis of
variance:**

>>Python formulas for specifying statistical models

>>Multiple Regression

>>Analysis of variance(ANOVA)

**>Visualization: Statistical
exploration using Seaborn:**

>>Pairplot: scatter matrices

>>Implot: plotting a univariate regression