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 thought 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 Coffiecient

>>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