

Statistics

Instructors:

krish naik:

Having 10+ years of experience in Data Science and Analytics with product architecture design and delivery. Worked in various product and service based Company. Having an experience of 5+ years in educating people and helping them to make a career transition.

Curriculum:

Course introduction

- Introduction Preview

Stats Fundamental

- Statistics Preview
- 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
- Standardization 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

Testing for interactions

