



DATA ANALYSIS

S Y L L A B U S

What you will learn

- Relationship between Data Analysis vs Data Science
- Statistics and Probability
- Data Visualization in Data Analysis
- Analyzing Data Sets and Database
- Python Data Tools

Course Content

Introduction: Data Science vs Data Analysis

- Relationship, Similarities and Differences
- Tools: Git, SQL

Statistics and Probability

- Sampling
- Descriptive Statistics
- Inferential Statistics
- Hypothesis Testing

Data Visualization in Data Analysis

- Importance of data visualization in data analysis
- Explanatory Analysis
- Exploratory Analysis
- Data Extraction
- Data Cleaning
- Visualization Case study

Analyzing Data Sets and Database

- Data Wrangling
- Relational Database
- Working with SQL

Python Data Tools

- Python Syntax
- Conditionals
- Operators
- Variables

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