

Python Data Analysis

Learn the fundamentals of Python data analysis in this comprehensive course.

Category: Programming · Duration: 3 days

WHO IT IS FOR

- Python developers
- Teams that want hands-on practice on real scenarios

This Python Data Analysis course is designed to provide participants with a solid foundation in data analysis using Python. Participants will learn how to use Python's powerful libraries such as Pandas, NumPy, and Matplotlib to analyze and visualize data. The course covers various techniques and concepts including data cleaning and preprocessing, exploratory data analysis, data visualization, and statistical analysis. By the end of the course, participants will have the skills and knowledge needed to perform data analysis tasks efficiently using Python.

Prerequisites

Basic knowledge of Python programming

Syllabus

- Introduction to Python Data Analysis
- Working with Pandas for Data Manipulation
- Data Cleaning and Preprocessing
- Exploratory Data Analysis
- Data Visualization with Matplotlib
- Introduction to Statistical Analysis
- Statistical Techniques for Data Analysis
- Time Series Analysis
- Advanced Data Analysis Techniques
- Machine Learning for Data Analysis
- Practical Projects and Case Studies