

Python Data Wrangling Training

COURSE CONTENT

GET IN TOUCH



Multisoft Systems
B - 125, Sector - 2, Noida



(+91) 9810-306-956



info@multisoftsystems.com



www.multisoftsystems.com

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

Python Data Wrangling Training by Multisoft Systems offers an immersive educational experience designed to equip participants with the skills needed to manipulate and transform data efficiently using Python, one of the most popular programming languages for data analysis.

Module 1: Introduction to Data Structure Using Python

- ✓ Python for Data Wrangling
- ✓ Lists, Sets, Strings, Tuples, and Dictionaries

Module 2: Advanced Operations on Built-In Data Structure

- ✓ Advanced Data Structures
- ✓ Basic File Operations in Python

Module 3: Introduction to NumPy, Pandas, and Matplotlib

- ✓ NumPy Arrays
- ✓ Pandas DataFrames
- ✓ Statistics and Visualization with NumPy and Pandas
- ✓ Using NumPy and Pandas to Calculate Basic Descriptive Statistics on the DataFrame

Module 4: Deep Dive into Data Wrangling with Python

- ✓ Subsetting, Filtering, and Grouping
- ✓ Detecting Outliers and Handling Missing Values
- ✓ Concatenating, Merging, and Joining
- ✓ Useful Methods of Pandas

Module 5: Getting Comfortable with Different Data Sources

- ✓ Reading Data from Different Text-Based (and Non-Text-Based) Sources
- ✓ Introduction to BeautifulSoup4 and Web Page Parsing

Module 6: Learning the Hidden Secrets of Data Wrangling

- ✓ Advanced List Comprehension and the zip function
- ✓ Data Formatting

Module 7: Advanced Web Scraping and Data Gathering

- ✓ Basics of Web Scraping and BeautifulSoup libraries
- ✓ Reading Data from XML

Module 8: RDBMS and SQL

- ✓ Refresher of RDBMS and SQL
- ✓ Using an RDBMS (MySQL/PostgreSQL/SQLite)

Module 9: Application in Real Life and Conclusion of Course

- ✓ Applying Your Knowledge to a Real-life Data Wrangling Task
- ✓ An Extension to Data Wrangling