COURSE SYLLABUS

FinTech Bootcamp

Analyze financial data with Python and SQL. Work with pandas, NumPy, visualization, and machine learning through projects focused on financial analysis.

> Group classes (NYC) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://training-nyc.com/certificates/fintech-bootcamp



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Course Outline

This package includes these courses

- Python for Data Science Bootcamp (30 Hours)
- Python Machine Learning Bootcamp (30 Hours)
- SQL Bootcamp (PostgreSQL) (18 Hours)
- Python for Automation (6 Hours)
- Python for Finance Bootcamp (24 Hours)

Python for Data Science Bootcamp

Learn the fundamentals of Python and object-oriented programming in this 5-day intensive course. You'll gain a solid understanding of Python, with a strong emphasis on using libraries and frameworks for data science.

Python Machine Learning Bootcamp

Build and evaluate machine learning models in Python. Practice preparing data, selecting features, and comparing model performance.

SQL Bootcamp (PostgreSQL)

- Explore information stored in a database (tables, columns, rows, etc.) using the graphical interface of DBeaver (a popular free database app)
- Write SQL queries to retrieve data from tables in a database
- Combine information from multiple tables with JOIN statements
- Filter data, group it, and sort it to extract the specific info you need
- Advanced techniques like Subqueries, String Functions, and IF-Else logic with CASE
- How to use Views and Functions with parameters instead of directly querying tables

Python for Automation

Learn Python web scraping and automation. Write scripts, collect website data, handle errors, and schedule recurring tasks.

Python for Finance Bootcamp

Use Python for financial analysis. Retrieve data from APIs and SEC filings, analyze financial ratios, and explore risk analysis and Monte Carlo simulations.