Python for Data Science Masterclass

Learn beginner and advanced Python programming skills for data science in this hands-on masterclass.

> Group classes in NYC and onsite training is available for this course.
> For more information, email corporate@nobledesktop.com or visit:
> https://www.nobledesktop.com/classes/python-data-science-masterclass

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Course Outline

This package includes these courses

- Python for Data Science Bootcamp (30 Hours)
- Advanced Python for Data Science Bootcamp (30 Hours)

Python for Data Science Bootcamp

Build a strong foundation in Python programming and data analysis through real-world projects that prepare you for advanced topics like machine learning and predictive modeling.

- Learn Python fundamentals, including variables, data types, functions, loops, and control flow for building robust programs
- Work with complex data structures like dictionaries and lists to efficiently organize and access data
- Use NumPy and Pandas to import, clean, and manipulate datasets for analysis and exploration
- Generate descriptive statistics and apply filtering, grouping, and pivoting techniques for deeper insights
- Visualize data with Matplotlib and create clear, customized charts such as bar graphs, histograms, and scatter plots
- Gain the practical skills needed to transition into machine learning with a solid understanding of data science workflows

Advanced Python for Data Science Bootcamp

- Learn advanced Python programming and data science techniques & tools
- Work with advanced functions like map() and filter()
- Integrate nested loops & global variables into your coding
- Use Juypter Notebook's interactive UI elements & integrate SQL
- Perform linear & polynomial regression analysis
- Create visualizations to display data efficiently
- Extract data from online sources with web scraping