COURSE SYLLABUS

Advanced Python for Data Science Bootcamp

Dive into higher-level Python and data science skills in this advanced bootcamp. Learn advanced functions, work with JSON data and APIs, perform regression analysis, create animated data visualizations, and much more.

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



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Course Outline

Advanced Python

- map() and filter()
- Lambda Functions
- List Comprehension
- JSON and APIs
- Nested Loops and Logic
- Global Variables in Functions
- IPython Widgets
- Times

Advanced Data Science

- Seaborn Library
- Regression Analysis
- Heatmaps and Confusion Matrices
- Web Scraping
  - Pandas and Beautiful Soup
  - Iterative Scraping
  - Image Downloading
- Animating Data
- Merging CSV Files
- SQL in Jupyter Notebook
  - Database Connections
  - Querying