

Python Data Visualization & Interactive Dashboards Course Online

Learn how to collect, manipulate, and analyze real-world data in this course, gaining hands-on experience with Python's NumPy and Pandas libraries. Enhance your data visualization skills with tools like Matplotlib, Seaborn, Plotly, and Dash Enterprise, and work on real-life projects that you can deploy online.

Group classes in Live Online and onsite training is available for this course. For more information, email partnerships@vdc.edu or visit: <https://vdc.edu/courses/python-data-visualization-interactive-dashboards-online>



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Course Outline

Conducting Advanced Exploratory Analysis

- NumPy array
- Array containers
- Indexing on an array
- Broadcasting
- Reshaping
- Universal functions
- Series
- DataFrame
- Slicing DataFrame
- Filtering DataFrame
- Understanding JSON
- Working with APIs

Building Dashboards and Visualizing Data

- Dash Callbacks
- Client Callbacks
- Pattern Callbacks
- Dash core components
- Date Picker

- Date Range
- More Dash Components
- Graph
- Dash HTML Components
- Dash Styling

Presenting Information with Conviction and Persuasion

- Dash Styling
- Dash and Bootstrap
- Creating your own Components
- Deployment
- Make a live presentation