

# Python for Data Science & Analytics

Pandas, NumPy, matplotlib, statistical analysis, and real-world datasets. Turn raw data into business decisions.

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## Program Overview

PRICE  
\$4,450

DURATION  
8 weeks

FORMAT  
Hybrid

LEVEL  
Intermediate

Pandas, NumPy, matplotlib, statistical analysis, and real-world datasets. Turn raw data into business decisions. This professional track is structured for adult learners who need practical, career-relevant depth without academic abstraction. Delivered as a hybrid experience, the course combines guided milestones, implementation reviews, and applied exercises aligned with modern AI, engineering, and technical leadership work.

## Outcomes

- Analyze structured datasets with Pandas and NumPy.
  - Explore patterns statistically and communicate meaningful findings.
  - Build repeatable notebooks and analytical workflows.
  - Translate technical analysis into executive-ready recommendations.
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## Includes

- 8 hybrid weeks with guided notebooks and analysis labs.
  - Real-world datasets spanning business, operations, and customer behavior.
  - Visualization patterns using matplotlib and clean reporting conventions.
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- Capstone analytics brief with presentation-ready output.

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## Syllabus

### WEEK 1

#### Python Analytics Workflow

Set up a practical analysis workflow and work confidently with notebook environments.

Topics: Notebook setup, Data ingestion, Basic transformations

### WEEK 3

#### Data Wrangling with Pandas

Clean, reshape, and analyze business datasets using efficient tabular workflows.

Topics: DataFrames, Grouping, Missing data handling

### WEEK 5

#### Statistics and Visualization

Use statistical reasoning and charts to understand signal, noise, and trend.

Topics: Descriptive statistics, Hypothesis framing, Visualization

### WEEK 8

#### Decision-Focused Analysis

Deliver a business-facing analysis that links numbers to action.

Topics: Analytical storytelling, Presentation framing, Capstone review

## Instructor

Helena Ortiz

Helena works at the intersection of analytics, experimentation, and data storytelling, helping teams move from spreadsheet habits to reproducible analysis.

This Blootou Intelligence syllabus is an admissions overview for planning and evaluation. Final cohort dates, live session timing, assessments, and platform access details are shared in the welcome packet after enrollment.

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