



PYTHON TRAINING

Python Business Intelligence

Harness Python for powerful business intelligence. Learn to analyze data, create dashboards, and drive strategic decisions.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

-
- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

Unlock the power of your business data with our intermediate-level Python Business Intelligence course. This intensive 2-hour program is meticulously designed to equip professionals with the essential Python skills needed to transform raw data into actionable insights, driving smarter business decisions. You'll dive into critical libraries such as Pandas for robust data manipulation and Matplotlib/Seaborn for compelling data visualization, learning to clean, analyze, and present data effectively.

This course focuses on practical applications, enabling you to automate reporting, identify key trends, and build informative dashboards. By mastering Python for Business Intelligence, you will enhance your analytical capabilities, streamline data workflows, and become an invaluable asset in any data-driven organization. Elevate your career by gaining proficiency in a highly sought-after skill set that bridges the gap between raw information and strategic business outcomes.

Duration	2 hours
Level	Intermediate
Vendor	Python

COURSE CURRICULUM

01 Module 1: Foundations of Python for Business Intelligence

- Introduction to Python's role in BI and data analysis workflows
- Setting up your Python environment (Jupyter Notebooks)
- Key Python libraries: NumPy for numerical operations, Pandas for data structures
- Loading and inspecting diverse datasets (CSV, Excel, basic SQL connections)

02 Module 2: Practical Data Manipulation and Cleaning with Pandas

- Dataframe indexing, selection, and filtering techniques
- Strategies for handling missing values and duplicate records
- Effective data type conversion and basic data transformation
- Aggregating and grouping data for summarized business insights

03 Module 3: Visualizing Business Insights for Impact

- Introduction to Matplotlib and Seaborn for static and professional plots
- Creating essential business charts: bar charts, line plots, scatter plots, histograms
- Customizing visualizations for clarity, impact, and audience understanding
- Interpreting visual patterns to derive actionable data-driven decisions

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Python-centric Business Intelligence Analyst**
- > **Data Reporting Specialist (using Python for automation)**
- > **Junior Data Scientist (with a strong BI foundation)**

FREQUENTLY ASKED QUESTIONS

Q: What specific Python libraries will I gain practical experience with in this course for BI purposes?

This course focuses on fundamental libraries critical for Business Intelligence. You will gain hands-on experience with Pandas for data manipulation and analysis, and Matplotlib and Seaborn for creating compelling data visualizations and reports. These are the cornerstones for Python-based BI.

Q: How will this course directly enhance my ability to make data-driven decisions in a business context?

By the end of this course, you will be able to efficiently clean, analyze, and visualize business data using Python. This practical skill set empowers you to identify trends, create insightful reports, and present data-backed recommendations, directly contributing to more informed and strategic decision-making within your organization.

Q: What are the necessary prerequisites or prior knowledge expected for this Intermediate Python Business Intelligence course?

To get the most out of this intermediate course, participants should have a basic understanding of Python programming fundamentals, including variables, data types, control structures (loops, conditionals), and functions. Familiarity with basic data concepts is also beneficial, though not strictly required.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke