Applied Python for Data Science (TTPS4876)

Price: 2195

Duration: 2 days

Delivery Methods: Virtual

Overview

Overview

Python for Data Science Boot Camp is a five-day hands-on course designed for Python enthusiasts looking to expand their data science and machine learning skills. Whether you're already familiar with Python basics or have dabbled in some coding, this course will take you further, focusing on practical applications of popular libraries like pandas, NumPy, and Scikit-Learn. By the end, you'll be ready to tackle intermediate data science tasks with confidence.

You'll start by diving deep into pandas, exploring its powerful DataFrame and Series structures to clean, filter, and manipulate data with ease. Then, you'll shift gears into the world of NumPy, learning to perform efficient numerical computations, a crucial skill for any data scientist. The course also introduces you to text data processing and teaches you how to visualize your results with Matplotlib, making your data easy to understand and present.

In the final stretch, you'll get hands-on with machine learning using Scikit-Learn. You'll learn to build simple models, train them on data, and evaluate their performance, giving you a solid foundation in the machine learning workflow. This course offers a comprehensive and approachable way to level up your Python skills and apply them to real-world data science problems.

Objectives

This course combines engaging instructor-led presentations and useful demonstrations with valuable hands-on labs and engaging group activities. Throughout the course you will explore:

- **Mastering pandas Operations:** Learn to navigate, manipulate, and explore data using pandas DataFrames and Series, improving your ability to handle diverse datasets.
- **Enhancing Numerical Computation with NumPy:** Gain proficiency in performing efficient numerical operations using NumPy arrays, essential for data-driven calculations.
- **Working with Series Data in pandas:** Understand how to create, manipulate, and apply methods to pandas Series for effective data slicing and mathematical operations.
- **Filtering and Exploring DataFrames:** Develop the ability to filter, conditionally select, and efficiently explore data within pandas DataFrames, even when working with large datasets.
- **Processing and Analyzing Text Data:** Learn to handle, clean, and analyze text data using pandas, preparing it for visualization or machine learning applications.
- **Applying Machine Learning with Scikit-Learn:** Build, evaluate, and apply simple machine learning models using Scikit-Learn to address basic predictive tasks and gain insights from dat

Audience

This course is geared for experienced data analysts, developers, engineers or anyone tasked with utilizing Python for data analytics or eventual machine learning tasks. Attending students are required to have a background in basic Python for data science.

Pre-Reqs

Attending students are required to have a background in basic Python for data science.

Course Schedule

Date	Time	Price	Options
05/11/2026	09:00 AM - 05:00 PM CT	2,195.00	Buy Now Enroll
07/13/2026	09:00 AM - 05:00 PM CT	2,195.00	Buy Now Enroll

Why Professional Choose TOPTALENT?

Dedicated Texas-Based Support

Get assistance every step of the way from our **Texas-based team**, ensuring your training experience is hassle-free and aligned with your goals.

3000+ Curated Professional Courses

Access an extensive portfolio of over 3000 courses across IT, Business Application and Leadership – Designed to meet evolving Industry demands

95% Client Approval Rating

Trusted by professionals nationwide our 95% approval rating reflects consistent quality, measurable impact and exceptional service.

Certified Industry Instructor

Learn from professionaly certified experts with real world experience and a proven commitment to learner success.

For questions

call:

[(469) 721-6100](tel:4697216100)

Email:

info@toptalentlearning.com

[Find More Training](#)

FAQ

What if I have to reschedule my class due to conflict?

Ten (10) business days' notice is required to reschedule a class with no additional fees. Notify TOPTALENT LEARNING as soon as possible at 469-721-6100 or by written notification to info@toptalentlearning.com to avoid rescheduling penalties.

How do I enroll for this class?

Please contact our team at 469-721-6100; we will gladly guide you through the online purchasing process.

What happens once I purchase a class?

You will receive a receipt and an enrollment confirmation sent to the email you submitted at purchase. Your enrollment email will have instructions on how to access the class. Any additional questions our team is here to support you. Please call us at 469-721-6100.

What is your late policy?

If a student is 15 minutes late, they risk losing their seat to a standby student. If a student is 30 minutes late or more, they will need to reschedule. A no-show fee will apply. Retakes are enrolled on a stand-by basis. The student must supply previously issued courseware. Additional fees may apply.

What happens when I finish my class?

You will receive a 'Certificate of Completion' once you complete the class. If you purchased an exam voucher for the class, a team member from TOPTALENT LEARNING will reach out to discuss your readiness for the voucher and make arrangements to send it.