

# Python for Data Science

**Category:** Developer | **Vendor:** Python

**Duration:** 14.00 hours (2 days)

**11.4 CPD Hours**

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

Data Science is the critical skill of the modern workforce. Data science skills allow for the extraction of key insights and relevant knowledge from large datasets. This data science training course is for Python developers who want to learn how to use the key libraries in the Python Data Science ecosystem. This course covers NumPy for numerical data processing, Pandas for data analysis, and Matplotlib and Seaborn for quick visualizations and statistical reporting. The training is all conducted in a modern Jupyter Notebook format, allowing students to read and write code directly within our training notebooks. You'll learn everything you need to know for the full data science tech stack required to work at the world's top companies. This Python for Data Science course takes a structured approach that will guide you through understanding not just how to use data science, but why we use them by providing a balance between practical real world case studies and mathematical theory behind the data science algorithms. Please note, this course is able to be offered in either 3 full day sessions or 5 evening sessions. See the schedule below. This course includes 6-months access to the full course content in on-demand format to support post-class reference and review.

## About This Course

Data Science is the critical skill of the modern workforce. Data science skills allow for the extraction of key insights and relevant knowledge from large datasets. This data science training course is for Python developers who want to learn how to use the key libraries in the Python Data Science ecosystem. This course covers NumPy for numerical data processing, Pandas for data analysis, and Matplotlib and Seaborn for quick visualizations and statistical reporting. The training is all conducted in a modern Jupyter Notebook format, allowing students to read and write code directly within our training notebooks.

You'll learn everything you need to know for the full data science tech stack required to work at the world's top companies. This Python for Data Science course takes a structured approach that will guide you through understanding not just how to use data science, but why we use them by providing a balance between practical real world case studies and mathematical theory behind the data science algorithms.

**Please note, this course is able to be offered in either 3 full day sessions or 5 evening sessions. See the schedule below.**

This course includes 6-months access to the full course content in on-demand format to support post-class reference and review.

## Who Should Attend

Intermediate Python developers looking to use Python to explore and visualize large or complex data sets. Check out our Introduction to Python course if you're new to Python.

### Prerequisites & Entry Requirements

#### General Prerequisites:

To be successful in this course, learners should have the following:

- Foundational Python skills and knowledge
- Level of knowledge and experience gained from [Introduction to Python](#)

# Learning Outcomes

---

**Upon successful completion of this course, participants will be able to:**

Learn how to use data science with Python. Create data pipeline workflows to analyze, visualize, and gain insights from data. Build a portfolio of data science projects with real world data. Analyze your own data sets and gain insights through data science. Master critical data science skills. Replicate real-world situations and data reports. Learn NumPy for numerical processing with Python. Conduct feature engineering on real world case studies. Learn Pandas for data manipulation with Python. Learn Matplotlib to create fully customized data visualizations with Python. Learn Seaborn to create beautiful statistical plots with Python. Construct a modern portfolio of data science resume projects. Get set-up quickly with the Anaconda data science stack environment.

## Additional Course Details

---

Nexus Humans Python for Data Science training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Python for Data Science course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

# Frequently Asked Questions

---

## **Q: What delivery options are available for Python for Data Science?**

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
  - Traditional Instructor-Led Classroom Training (ILT)
  - On-site delivery at your offices anywhere in United Kingdom
  - Private dedicated courses customized for your team
- 

## **Q: How many CPD hours does this course provide?**

The 2-day Python for Data Science course provides up to 11.4 CPD hours of structured learning. CPD certificates can be provided upon request.

---

## **Q: What is the duration of the Python for Data Science training?**

The training takes place over 2 day(s), with each day lasting approximately 14.00 hours including breaks for lunch and refreshments.

---

## **Q: Do you provide corporate training for Python for Data Science?**

Yes, we provide corporate training, dedicated training, and closed classes for Python for Data Science. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

---

## Q: Why choose Nexus Human for Python for Data Science?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

---

## Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Python for Data Science training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

# Nexus Human

## Professional Training & Development

 Email: [info@nexushuman.com](mailto:info@nexushuman.com)

 Website: [www.nexushuman.com](http://www.nexushuman.com)

 Phone: +353 1 XXX XXXX (Ireland) | +44 20 XXXX XXXX (UK)