

# Python for Machine Learning

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

**Duration:** 18.00 hours (3 days)

**14.6 CPD Hours**

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

Master the skills to use machine learning in your day-to-day work with this Python course. Create algorithms to predict classes, continuous values, and more. This course is designed for the student who already knows some Python and is ready to dive deeper into using those Python skills for Machine Learning. With a focus on SciKit Learn, you'll learn all aspects of Machine Learning ranging from a variety of regression types (Linear / Lasso / Ridge), Elastic Net, K Nearest Neighbors and Means Clustering, Hierarchical Clustering, DBSCAN, PCA, and Model Deployment. 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

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## Who Should Attend

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Experienced Python developers looking to understand a wide variety of machine learning algorithms, including supervised and unsupervised learning algorithms.

### Prerequisites & Entry Requirements

#### General Prerequisites:

To be successful in this course, learners should have the following: Intermediate Python skills and knowledge

- Level of knowledge and experience gained from [Python for Data Science](#)

# Learning Outcomes

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

You will learn how to use data science and machine learning with Python. Understand Machine Learning from top to bottom. Learn NumPy for numerical processing with Python. Conduct feature engineering on real world case studies. Learn Pandas for data manipulation with Python. Create supervised machine learning algorithms to predict classes. Create regression machine learning algorithms for predicting continuous values. Construct a modern portfolio of machine learning resume projects. Learn how to use Scikit-learn to apply powerful machine learning algorithms. Get set-up quickly with the Anaconda data science stack environment. Understand the full product workflow for the machine learning lifecycle. Explore how to deploy your machine learning models as interactive APIs.

## Additional Course Details

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Nexus Humans Python for Machine Learning 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 Machine Learning 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

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## **Q: What delivery options are available for Python for Machine Learning?**

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

The 3-day Python for Machine Learning course provides up to 14.6 CPD hours of structured learning. CPD certificates can be provided upon request.

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## **Q: What is the duration of the Python for Machine Learning training?**

The training takes place over 3 day(s), with each day lasting approximately 18.00 hours including breaks for lunch and refreshments.

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## **Q: Do you provide corporate training for Python for Machine Learning?**

Yes, we provide corporate training, dedicated training, and closed classes for Python for Machine Learning. 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.

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## Q: Why choose Nexus Human for Python for Machine Learning?

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 Machine Learning 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

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