

Machine Learning in Python (NL)

Group Training

Training code	CGAMLIPYCD
Spoken Language	Dutch
Language Materials	English
Dayparts	4
Price	€1.600,00 excl. VAT No extra costs.

What is Machine Learning in Python

Large amounts of data can contain many insights. These insights in turn provide added value for business operations. But finding and checking these insights manually takes a lot of time. You would rather do this via a smart automatic process, namely with Machine Learning.

Machine Learning in Python teaches you how to set up Machine Learning processes in Python, the most widely used programming language in Data Science.

You will be introduced to terms such as

- CRISP-DM
- Scikit-learn
- K-fold Cross-Validation
- Random Forest
- K-means Clustering
- Quantile Regressors
- Convolutional Neural Network

We will discuss different algorithms within Machine Learning and how you can apply them in Python. We also discuss how to build a Machine Learning pipeline in Python, how to ensure high data quality and how to detect and prevent model drift.

During the training, the application of what you learn is central and you are challenged to work with the theory in practical cases. The training is given by people who work in practice with Machine Learning systems in Python and who know what it is about. They want to pass on that practical knowledge.

Who should attend Machine Learning in Python

The Machine Learning in Python training is suitable for:

- Starters at the start of their career
- People making a career switch to Data Science



- People working in IT, especially in departments such as Data Science
- Business Analysts
- Information Analysts

Prerequisites

Beginning skills and general knowledge of Python. The 'Introduction Python' course addresses these topics and is ideally suited for pre-training.

During this training you need a laptop on which you can install software: Python.

Objectives

After this training, the participant is able to answer the questions:

- How do you set up a Machine Learning pipeline in Python?
- What are the advantages and disadvantages of different Machine Learning algorithms?
- How do you extract insights from large amounts of data?

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