Python for Data Science
Data Analysis and Machine Learning Insight

The Python programming language offers an ideal platform for data scientists with an extensive landscape of libraries for data processing, analysis and visualization as well as the architecture of machine learning models. Participants in the training quickly learn the most important basics of the Python programming language and work through the basics of handling data (including import, processing, analysis and presentation) in interactive exercises. The workshop also provides an initial insight into the topic of machine learning and works on an initial example based on a classification.

Course Contents
• Basics of the Python programming language
• Efficient numerical calculations (with numpy)
• Processing and explorative analysis of data (with pandas)
• Visualization (e.g. matplotlib, plotly)
• Machine Learning concepts at a glance (e.g. algorithmic and statistical basics, learning scenarios, metrics, evaluation)
• Machine Learning Pipeline using classification as an example (with scikit-learn)
• Interactive material and interactive exercises throughout (using Jupyter notebooks).

Participants will work with interactive electronic materials.

E-Book The detailed digital documentation package, consisting of an e-book and PDF, is included in the price of the course.

Target Group
The workshop is aimed at users who are looking for an introduction to the topic of data analysis and its implementation with Python. The workshop teaches theoretical and practical basics and uses extensive, interactive exercises for direct application and subsequent deepening of understanding.

Prerequisites
Participants in this workshop should have an interest in working with data and statistical methods and be familiar with the basics of programming. Basic knowledge of the Python programming language is an advantage. This can be acquired, for example, in the courses Python for beginners - introduction to programming or Python for programmers - basics for a quick transition.

This Course in the Web
You can find the up-to-date information and options for ordering under the following link: www.experteach-training.com/go/**PYDA**

Reservation
On our Website, you can reserve a course seat for 7 days free of charge and in an non-committal manner. This can also be done by phone under +49 6074/4868-0.

Guaranteed Course Dates
To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

Your Tailor-Made Course!
We can precisely customize this course to your project and the corresponding requirements.

Training		Prices, excl. of V.A.T.
Classes in Germany	**3 Days**	**€ 1,995**
Classes in Austria	**3 Days**	**€ 1,995**
Online Training	**3 Days**	**€ 1,995**
Date/course venue	Course language German	
11/06-13/06/25 Online	15/09-17/09/25 München	
11/06-13/06/25 Wien	15/09-17/09/25 Online	

ExperTeach

Our Training Offer for You:

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