

Machine Learning

Data Science and Artificial Intelligence

The topics of data science, artificial intelligence and machine learning form the backbone of every IoT or digitalization solution today, as this is where the real added value lies. This training course provides an insight into the methods and technologies that can be used to process, analyze and use digital data for self-learning business optimization. The course is geared towards the requirements of the industry and includes many interactive exercises that are designed for both direct users and decision-makers. This provides a well-founded and broad introduction to the fields of artificial intelligence and machine learning. The core skills required to develop new concepts or evaluate existing ones are taught and the practical relevance is established.

Course Contents

- Introduction to Data Science, Machine Learning, and Artificial Intelligence
- Basics of Python Regarding Data Processing, Statistics, and Data Virtualization
- Machine Learning Workflow
- Learning Scenarios and their Fields of Application (e.g. Predictive Analytics, Bots, Recommendation Services)
- Machine Learning Methods in Comparison (from Decision Tree up to Deep Learning)
- Artificial Neuronal Networks
- Decision Trees
- Support Vector Machines
- Clustering
- Evaluating and Validating Models Correctly
- Overview of Software and Tools
- Application Scenarios (What is a hype and where is potential?)
- Questions and Fears in a Social Context
- Consistent Interactive Hands-On Exercises

Target Group

The course is aimed at IT-savvy participants (from users to decision-makers) who are looking for a broad introduction to the topics of data science, artificial intelligence and machine learning for application.

Prerequisites

Participants should have an understanding of and interest in the trending topics of digitalization, big data and IoT. Basic programming skills are an advantage.

Course Target

You will learn to view problems from the perspective of a data scientist and understand the entire machine learning workflow, from data preparation to model validation. The course will enable you to identify use cases for machine learning in your work environment, ask the right questions, and outline solutions using appropriate ML methods.

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/KIML

Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a 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.

Premium Print Package



You can optionally purchase the high-quality Premium Print Package for this course at a price of € 150 (plus VAT).

Training	Prices, excl. of V.A.T.	
Classes in Germany	3 Days	€ 2,195
Classes in Austria	3 Days	€ 2,195
Online Training	3 Days	€ 2,195
Date/course venue	Course language German	
15/06-17/06/26 München	07/10-09/10/26 Online	
15/06-17/06/26 Online	07/10-09/10/26 Wien	
29/07-31/07/26 Frankfurt	07/12-09/12/26 München	
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