

COURSE: 20774A Perform Cloud Data Science with Azure Machine Learning

Summary

Duration:	5 days/40 hours
Level:	300*
Delivery method:	In class
Language:	Bulgarian
Price:	950 EUR excl VAT

**The difficulty level is consistent with the widely accepted scale of technical difficulty of training on Microsoft Corp*

AUDIENCE:

The primary audience for this course is people who wish to analyze and present data by using Azure Machine Learning. The secondary audience is IT professionals, Developers , and information workers who need to support solutions based on Azure machine learning.

DESCRIPTION:

The main purpose of the course is to give students the ability to analyze and present data by using Azure Machine Learning, and to provide an introduction to the use of machine learning with big data tools such as HDInsight and R Services.

AFTER THE TRAINING ATTENDEES WILL BE ABLE TO:

- Explain machine learning, and how algorithms and languages are used
- Describe the purpose of Azure Machine Learning, and list the main features of Azure Machine Learning Studio
- Upload and explore various types of data to Azure Machine Learning
- Explore and use techniques to prepare datasets ready for use with Azure Machine Learning
- Explore and use feature engineering and selection techniques on datasets that are to be used with Azure Machine Learning
- Explore and use regression algorithms and neural networks with Azure Machine Learning

TOPICS:

Module 1: Introduction to Machine Learning
Module 2: Introduction to Azure Machine Learning
Module 3: Managing Datasets
Module 4: Preparing Data for use with Azure Machine Learning
Module 5: Using Feature Engineering and Selection
Module 6: Building Azure Machine Learning Models
Module 7: Using Classification and Clustering with Azure machine learning models
Module 8: Using R and Python with Azure Machine Learning
Module 9: Initializing and Optimizing Machine Learning Models
Module 10: Using Azure Machine Learning Models
Module 11: Using Cognitive Services
Module 12: Using Machine Learning with HDInsight
Module 13: Using R Services with Machine Learning