

# Implementing a Machine Learning Solution with Microsoft Azure Databricks

**Authorized Microsoft** Implementing a Machine Learning Solution with Microsoft Azure Databricks **DP-090** Distance Learning training.

## Target audience:

- IT Specialist
- Data Engineer
- Database Administrator
- Analyst
- Developer
- Machine learning



## Purpose of the training

Azure Databricks is a platform withing cloud scale for data analysis and machine learning. During this 1 day course you will find out how to use Azure Databricks to explore, prepare and model data, as well as integrate Databricks machine learning processes with Azure Machine Learning service.

The course is intended for scientists dealing with data, experienced in Python language, who have to learn how to apply their skills in data analysis area and machine learning in Azure Databrick



## Benefits of completing the training

- Share workspace and Azure Databricks cluster
- Use Azure Databricks to practice machine learning model
- Use MLflow to track experiments and manage learning machine models

- Integrate Azure Databricks with Azure Machine Learning



## Expected Listener Preparation

Before attending the course, participants should have experience in using Python to work with data and certain knowledge about machine learning concepts.

To make work more convenient and training more effective we suggest using additional screen. Lack of extra screen does not make it impossible to participate in the training, but significantly influences the convenience of work during classes

Information and requirements concerning participation in distance learning trainings is available at: <https://www.altkomakademia.pl/distance-learning/#FAQ>



## Training Language

- **Training:** English
- **Materials:** English



## Training Includes

\* electronic handbook available at:

<https://learn.microsoft.com/pl-pl/training/>

\* access to Altkom Akademia student portal

Training method:

- theory
- demos
- individual laboratories
- 50% theory
- 50% practice



## Duration

1 days / 7 hours

## Training agenda

### 1: Introduction to Azure Databricks

- First steps with Azure Databricks
- Working with data in Azure Databricks

### 2: Training and assessment of machine learning models

- Preparing data for machine learning
- Machine learning model training

### 3: Experiment and model management

- Using MLflow to track experiments
- Model management

### 4: Integrating Azure Databricks and Azure Machine Learning

- Tracking experiments with Azure Machine Learning
- Implementing models