

# Azure ML Service Azure Machine Learning Service for analysts: Designing and deploying Machine Learning models without coding

The Azure Machine Learning Service training for analysts shows how to design and deploy machine learning models without coding—from defining the problem and preparing data, through modeling, to publishing solutions in the Azure environment. The classes use the graphical interface of Azure Machine Learning Studio (AMLS) and automated machine learning (AutoML) mechanisms, enabling rapid development of classification, regression, image analysis, and natural language processing models.



## Training recipients

The training is intended for individuals who want to begin working with machine learning in the Microsoft Azure environment without the need for programming.

It is particularly dedicated to:

- data analysts responsible for preparing and analyzing data within an organization,
- Business Intelligence (BI) specialists who want to expand their competencies into predictive analytics and artificial intelligence,
- reporting and data visualization experts who want to implement ML models that support business decisions,
- consultants and business advisors seeking practical ways to use AI to automate analyses and forecasting,
- data managers and analytical team leaders who want to better understand the potential of machine learning in the Azure environment.



## Benefits

- Designing no-code ML models – you will learn how to build experiments and models in Azure Machine Learning Studio, including with the use of AutoML.
- Data preparation for modeling – you will learn how to import, clean, and transform data from various sources to ensure prediction quality.
- Training and evaluating models – you will learn how to configure training, compare metrics, and interpret results for regression and classification.
- Deploying and sharing models – you will understand how to publish models as services in Azure, as well as version and monitor them.
- Responsible and interpretable AI – you will discover how to apply interpretability, bias control, and best compliance practices.



## Training program

- Introduction to machine learning
- Machine Learning projects
- Data in Machine Learning
- Data preparation for modelling
- Regression as a monitored learning technique
- Classification a monitored learning technique
- Image analysis
- Natural language analysis
- Evaluating regression models
- Evaluating classification models
- Evaluating deep machine learning models
- Responsible and interpreted Artificial Intelligence
- Deploying models



## Expected preparation of the participant

We do not require programming skills and machine learning algorithms knowledge. We will use modern tools such as Azure Machine Learning Service (AMLS), which enables graphic experimenting in cloud.

If you want to use your field knowledge, for example from area of sales, logistics, risk analysis or production management to create reliable trustworthy machine learning models, this training is for you. It is mainly addressed to analysts.



## Training Includes

- manual in electronic form available on the platform: <https://www.altkomakademia.pl/>
- access to Altkom Akademia's student portal



## Duration

3 days / 21 hours

## Language

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