Azure Machine Learning: 1-Day Workshop

WaveAccess
We Make IT Easy

Who is this workshop for?

- Managers who consider introducing machine learning to their company's business
- Tech executives (CTO, CIO, etc.)
- Tech leads

This workshop can be delivered either on-premise or online, by arrangement.

Today, it is easy to find flashy headlines about machine learning (ML). However, being a tech executive or a business stakeholder, you might want to learn more what ML actually is, and what kind of tasks it can be instrumental in solving.

We have got you covered: this introductory workshop on the core essentials of machine learning provides a hands-on experience and helps you understand what a ML team does — and how to evaluate their results.

During the workshop, we offer you an overview of basics for typical ML tasks, regression and classification. We will also introduce many important concepts that may impact the quality of your results, — such as overfitting, regularization and cross-validation, — and of course you will learn how to interpret those results. The interactive part of the workshop includes writing some Python code: you will apply a regression algorithm to a real dataset, see the outputs, and find out what they actually mean!

To run the code, we will employ Microsoft Azure Notebooks free service, available from any browser that allows to develop and run Jupyter Notebooks in the cloud. Data for the workshop would be downloaded from a datastore on Microsoft Azure Cloud.

Why learn with WaveAccess?

WaveAccess has been doing Machine Learning since 2014. Our projects have been awarded Microsoft Partner of the Year in Artificial Intelligence (2018) and in Business Analytics (2017).

With our team of data scientists, mathematicians, algorithm engineers, and developers, we use technical expertise to increase business efficiencies, optimize slow or unreliable systems, and bring ambitious ideas to life.

Gold Microsoft Partner
Microsoft

Microsoft Partner
Microsoft
2019 Partner of the Year
Media & Communications Award
2018 Partner of the Year
Artificial Intelligence Award
2017 Partner of the Year
Business Analytics Award

Microsoft Partner
Microsoft
Gold Application Development
Silver DevOps
Silver Cloud Platform
Silver Datacenter

Audience requirements

— Understanding of basic and IT-related English (The workshop will be held in English).

— For an on-premise workshop, laptop with Internet access is required. For an online workshop, any computer is suitable.

— Interest in Machine Learning

— Technical background (Python knowledge preferred)

— Having a Microsoft ID (for accessing Microsoft Azure Notebooks)

Workshop Contents

1 Linear regression

2 Regression metrics

3 Polynomial regression

4 Over-fitting and Cross-Validation

5 Example of applying regression to real data

6 Classification

7 Classification metrics

8 Applying classification to a classical beginner dataset

As a result, you will get an understanding of a typical ML workflow and be able to supervise your machine learning team.