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## Introduction to Machine Learning

*Friday, 12 April 2024 10:00 (1h 30m)*

### Syllabus outline:

Concept of Machine Learning and application fields. Slides: 15 minutes

Supervised and unsupervised learning. Slides: 20 minutes

Approaching a problem of learning from examples. Slides: 25 minutes

First (simple) classifier: K-Nearest Neighbours (K-NN). Slides: 10 minutes

Another classifier: Naïve Bayes. Slides: 20 minutes

Evaluating classifiers' performance. Slides: 30 minutes

### Objective competences:

Comprehensive overview about machine learning basic concepts.

Understanding the fundamentals of training a classifier.

Basic knowledge about how to evaluate a classifier and how to interpret its results

### Intended learning outcomes:

To know the basic knowledge about machine learning.

To understand the process of training a classifier

To know about two basic supervised learning classifiers: kNN and Naïve Bayes

To evaluate and interpret classification model results.

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