# Home assignment 1

**Submission opens 07.02.2023, submission deadline 05.03.2023 23:59**

Precise instructions will be delivered by means of TalTech Moodle environment.

## Exercise 1. Distance functions.

Program in Python your own implementation of Minkowski distance function.

## Exercise 2. Unsupervised learning: feature selection.

Program in Python your own implementation of Entropy feature selection technique for the case if unsupervised learning.

## Exercise 3. Unsupervised learning: density based methods.

Program in Python your own implementation of Generic Grid algorithm.

## Exercise 4. Supervised learning

Program in Python your own implementation of the decision tree algorithm for the numeric data.

## Exercise 5. Supervised learning

Program in Python linear regression model building algorithm.