

Project (minimum) requirements

Your final grade is composed of:

- 50% for Project 1 (deadline: week 10)
- 50% for Project 2 (deadline: exam day)

Both projects are individual!

Each project consists of comparing two machine learning methods on a specific data set.

Project 1 is about comparing two **supervised** approaches.

Project 2 is about comparing two **unsupervised** approaches.

Methods and data sets must be chosen beforehand!

You should send an email to your lab instructor or course instructor specifying the dataset and the methods you want to work with.

Programming language:

You can use any ML framework, but the programming language must be **Python**.

Dataset:

You should choose a dataset (**the dataset** must be **unique, no overlap allowed among students**) that has:

- At least **1000** examples
- At least **100** features

You cannot choose a dataset that was presented during the labs (no MNIST, no CIFAR, etc).

Methods:

You should choose **two different** supervised/unsupervised **methods** and test those methods on your dataset.

You should justify the parameters you have chosen for your models.

Presentation:

The project consists of the code implementation in Python (any library is allowed) and a report including:

- a description of the dataset
- a description of the implemented machine learning methods
- figures and/or tables with results
- comments on the results
- conclusion

The project will not be presented during the labs. We will agree on a date when you will come to present the project.