Lab week 1 – Introduction

The practical exercises are **optional** and will not be graded.

They are however part of the exam material and therefore strongly **recommended**.

They consists of several programming and insight exercises/questions.

Practicing, both through programming and answering the insight questions, aims at deepening your knowledge and preparing you for the exam.

For all lab exercises we provide weekly **support and feedback** during the **shared lab sessions.**

The answers to these exercises will not be provided.

Follow the exercises in the notebooks either on your own or with a friend.

Use Mattermost to discuss questions with your peers. The teaching stuff will not answer any questions on Mattermost

The exercises are written in Python and provided in Jupyter Notebooks.

Lab 1 helps you to install all necessary software and introduces you to Python and Numpy.

To open and run the files from **Lab 1** you will need Python 3 and Jupyter Notebook.

We advice you to first download and install conda, the package manager. Visit the conda website and choose either Anaconda or Miniconda (read about the differences here).

Follow the regular installation steps for your operating system. Python is 3.6, is included with both Anaconda3 and Miniconda3.

If you choose Anaconda (size), Jupyter Notebook and Numpy are also included.

If you choose Miniconda, install Jupyter Notebook and Numpy through console:

```
$ conda install jupyter notebook
$ conda install numpy
```

Download the exercise and run it in the Jupiter Notebook. Read here how to run the Jupyter Notebook.