

# Project Work - Instructions

Martin Schüle - 26.4.2022

## 1 Aim

The aim of the project work is to work independently on a project, which involves researching a topic, analysing and visualizing data, modeling with Python/Tensorflow and presenting results.

## 2 Grading

The project work contributes 40% to the final grade. Both the presentation and the code work are being evaluated.

## 3 Instructions

Please take note of the following instructions/guidelines:

- Explain the task to be solved.
- Point out, possibly, related work or problems in the literature/internet.
- Analyse your data. Visualize and explain the data features you deem to be relevant for the project.
- Explain your approach. That is, explain your model, the model architecture, optimizers, regularization, etc. used.
- Experiment with your model: change it, tune hyperparameters, etc. Do not copy paste a model without substantially adopting it to your problem/task. Explain your final model.
- Show/explain/visualize your results.
- Point out problems encountered.
- Point out further work or ideas.
- **Do not show your code in the presentation!** Rather explain everything in general terms, with figures, visualizations, etc.

- Due to time constraints, **the presentation is to take max. 10 minutes.**  
If you are over time, the presentation will be stopped.
- The code needs to be clearly documented and handed in at the time of the presentation.

## 4 Schedule

**Deadline to give presentation and hand in the code:** 31.5.2022