# Machine Learning Student Project

**Handed out:** Wednesday, Nov. 20, 2019

**Presentation date:** Monday, Dec. 9, 2019, during the final exam time slot

**Grades:** This project counts 24 % towards your final grade.

**Objectives:** Demonstration of a proper application of a machine learning method for either a classification task or a feature predication task with a student selected dataset.

**Deliverables:**

* Presentation of 10-15 minutes plus 5 minutes for questions and answers.
* The presentation slides
* The used dataset
* The applied machine learning script

**Project Outline with Point Assignment [16 points]**

* Selection of dataset for the project [2 points]
* Justification and preparation the selected features for the machine learning project [3 points]
* Justification of the selected machine learning method relative to competing methods [3 points]
* Proper calibration of any hyper-parameters [4 points]
* Evaluation the model’s predictive capabilities [2 points]
* Discussion: Assessment of the executed prediction task [2 points]

**Additional Evaluation Criteria [8 points]**

* Clarity of the presentation and its slides [3 points]
* Complexity of the selected prediction approach [3 points]
* Organization and documentation of the script [2 points]