

Machine Learning

Reuf Kozlica & Maximilian Schirl March 20, 2020

Course Outline

| | Dates | Lecture | Assignment |
|-------|------------|--|---------------------|
| ILV01 | 24.03.2020 | Recap Feature Engineering | Not Graded |
| LB02 | 31.03.2020 | Naive Bayes | Before Next Lecture |
| LB03 | 05.05.2020 | The Perceptron | Before Next Lecture |
| ILV04 | 19.05.2020 | Interpreting Learning Progress | Not Graded |
| LB05 | 26.05.2020 | Multilavar Paraantran (Paramatar Tuning | 14.06.2020 |
| LB06 | 26.05.2020 | Multilayer Perceptron & Parameter Tuning | 14.06.2020 |

Course Grading

| Assignment | Percentage |
|-----------------------------|------------------------|
| LB02 | 25% |
| LB03 | 25% |
| LB05 & LB06 | 50% |
| This course constitutes 33% | of your overall grade. |

Toolkit

- Anaconda for Python 3.7 with Jupyter Notebook
- scikit-learn 0.22.1
- Keras 2.3.1
- TensorFlow 2.1.0
- ... or use the given Docker image

Preparation

- Install Docker for your operating system
- Follow the usage section of the custom Docker image
- Within the Docker container, change your working directory to /notebooks
- Clone the given repository https://github.com/mschirl/machine-learning.git

Submission of Assignments

- Export your Jupyter Notebook as HTML file
- Upload the exported file to Moodle before the deadline specified in the Course Outline

Jupyter Notebook HTML Export

