
ML in der Medizin: Übung 4

Installation

Usage of Python virtual environments (<https://docs.python.org/3/tutorial/venv.html>) or conda (<https://docs.conda.io/en/latest/>) virtual environments is highly encouraged

The command line instructions below will install Python packages in your current default Python environment. This exercise should be executed with **Python 3**, not Python 2! Unlike our previous exercises, we will be using Keras (with tensorflow backend) as our deep learning library this time.

```
pip3 install -U pip
pip3 install tensorflow keras pandas scikit-learn
pip3 install jupyter
```

If you have access to GPU, then you can install tensorflow with GPU support (assumes you have correct NVIDIA CUDA drivers).

Execution

Extract files from a zip archive and run a jupyter notebook.

```
unzip uebung-4.zip
cd uebung-4
jupyter notebook
```

Reply to questions, and do the tasks described inside the notebook. Hand in a completed notebook preferably in *ipynb* format, with all cells executed. Alternatively, you can hand in a generated *pdf* or *html* report. See `jupyter nbconvert` for more info <https://nbconvert.readthedocs.io/en/latest/>.