

Exercise 4 - Comparing Frameworks

... *Theano, PyTorch, Tensorflow*

Learning goals

This exercise is targeted at introducing different frameworks.

Thus, the learning goals are:

- ... getting to know different frameworks for deep learning.
- ... identify the differences, advantages and disadvantages of different frameworks.

Deliverables

Upload a PDF file containing your remarks on OLAT.

Format: Ex04_name_surname.pdf

Deadline

Deadline for Exercise 3 is **26.11.2018, 12:00 (MESZ)**.

Data

Use this website for the comparison <http://jkk.name/neural-tagger-tutorial/>.

Framework

No dedicated framework needed.

Tasks

1. Look at the code, which implements the same model in three different frameworks. Identify 7 major differences and comment on them (what are their advantages and disadvantages).
2. Bonus (possibly time-consuming, but it guarantees you 1 point for this exercise no matter how you solved the first part): implement the described model on the website in keras.