

Project: Deep Learning (SS23)

Due May 24th, before the lecture

Kristian Kersting, Dominik Hintersdorf, Quentin Delfosse
{kersting, dominik.hintersdorf, quentin.delfosse}@cs.tu-darmstadt.de

Expose Content

Note: each group should only hand in one proposal!

Write a 2-page expose about the project you are planning. The expose should include:

- What are you doing?
- Why is this important, or why is it interesting to you?
- How do you plan to approach the solution?

Please use LaTeX and make use of clean and complete references to the literature.

About the projects

The project should be done in groups of 3 to 4 students and ideally implemented in one of the common DL Frameworks (PyTorch, Tensorflow, MxNet). The project should be big enough, such that everyone from the group can contribute something.

A project can be (but not limited to):

- A state-of-the-art deep network addressing an important challenge.
- A suggested project from a group on campus.
- Your own project: see also the ImageNet dataset, Yelp dataset and Kaggle challenges as well as the examples discussed in class.

Bonus

The project will grant you a bonus on your final grade, *i.e.* improving the grade of the final exam.