

# Homework 1

Out April 11; due beginning of class resp. exercise session.

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[piazza.com/tu-darmstadt.de/spring2018/20001034iv/home](http://piazza.com/tu-darmstadt.de/spring2018/20001034iv/home)

There will be two main exercises: questions and a project. Additionally we will also post once in a while classical textual exercises.

## **1. Five Questions (running exercise) — due just before the corresponding class**

Keep in mind that we are running a "flipped classroom" experiment. So, for each class, please write down 5 questions that we (you and us) will then try to answer together within the class.

## **2. Project Expose — due before the 4th exercise session**

Write a 2-page expose about the project you are planning. The expose should include what?, why?, and how? Please use LaTeX and make use of clean and complete references to the literature. A project can be:

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