Deep Learning   Thursday, 2. May 2024

Prof. S. Harmeling   DUE 12:00 Wednesday, 15. May 2024

Exercises #3

You don't have to hand your solutions to the exercises but we offer you the possibility to do so in order to get feedback. Nethertheless, **we encourage you to work on them**. There will be five short tests during the semester. You need to reach $\geq 40\%$ of the total points in order to write the final exam (Klausur). Short tests are held at the start of a lecture (Room SRG.1 1.001) at the following dates:

1.) 24.04.23 (14:15 - 14:30)
2.) 15.05.23 (14:15 - 14:30)
3.) 05.06.23 (14:15 - 14:30)
4.) 26.06.23 (14:15 - 14:30)
5.) 17.07.23 (14:15 - 14:30)

Please do ask questions in the Moodle forum! Do attend the weekly appointment for the exercise discussion (Übungen, Monday 10:15-12:00 Room SRG.1 1.001).

Remark: You have two weeks to solve this exercise.

1. **Two-layer neural network.**

   In this exercise you will implement a fully-connected neural network for classifying the CIFAR-10 dataset. For detailed instructions see the Jupyter notebook `two_layer_net.ipynb`.