**Hands-on Assignment 3**

**Due Date: See web**

In the code page for Tutorial 2, there is a CNN model for the CIFAR10 dataset written using PyTorch. In this hands-on assignment, you are asked to do some experiments with different hyperparameters using the program and report the results.

In your experiments, start with the baseline model from Tutorial 2 and

* Vary the number of hidden layers (at least two options)
* Vary the number of filters (at least two options)
* Vary the learning rate (at least two options)
* Try different optimizers (at least three)
* Try batch normalization.

In total, you will need to run at least 10 experiments. Write a simple report to summarize the results. A simple report should not only discuss the changes made in the model architecture and the corresponding result, but also analyze the results. A report should be organized and must be in docx or pdf format.

Please submit the report on Canvas. There is no need to submit your code.