## Machine Learning

Laboratory on PyTorch

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## **Preliminaries**

Given the file **pytorch-lab.ipynb**, upload it to Colab

https://colab.research.google.com/

Make sure to set as runtime type the GPU option.

Otherwise training the models will take more time.

## Take-home Exercise

As a self-assessment exercise, you can try to solve a classification task using **PyTorch**. Choose a dataset, train a classifier by performing some model selection (e.g., hyperparameters tuning) and then evaluate the model on the test set. Try to build a network with **at least** 3 layers and have a look to what happens when we increase the width and/or the depth of such network.

The following website has many datasets you can use:

https://archive.ics.uci.edu/ml/datasets.php