Labs **Machine Learning Course** Fall 2024

## **EPFL**

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www.epfl.ch/labs/mlo/machine-learning-cs-433

## Problem Set 13, Dec 12, 2024 (GANs)

Goals. The goal of this exercise is to

- Familiarize yourself with GAN models.
- Have time to discuss Project 2 with the assistants and teammates.

## 1 Generative Adversarial Networks

The goal of this exercise is for you to get more familiar with GANs and generative models. Explore how to implement a simple GAN in PyTorch using the Jupyter notebook gans.ipynb:

- $\bullet \ \, {\sf Open \, in \, Colab: \, colab.research.google.com/github/epfml/ML\_course/blob/main/labs/ex13/template/gans.ipynb. } \, \, {\sf This \, gives \, you \, access \, to \, a \, free \, GPU. }$
- ullet Change the 'runtime type' to GPU under 'Runtime o Change runtime type'.