Labs **Optimization for Machine Learning**Spring 2025

School of Computer and Communication Sciences

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github.com/epfml/OptML\_course

Problem Set 5, March 28, 2024 (Stochastic Gradient Descent)

## **Stochastic Gradient Descent**

Solve Exercise 37 from the lecture notes.

## **Practical Implementation of SGD**

Follow the Python notebook provided here:

 $colab.research.google.com/github/epfml/OptML\_course/blob/master/labs/ex05/template/Lab~5-Stochastic~Gradient~Descent.ipynb$ 

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