Labs **Optimization for Machine Learning**Spring 2022

## **EPFL**

School of Computer and Communication Sciences

Martin Jaggi & Nicolas Flammarion
github.com/epfml/OptML\_course

## Problem Set 8, April 29, 2022 (Coordinate Descent)

## **Coordinate Descent**

Solve Exercises 58, 59, 60 from the lecture notes.

## **Practical Implementation**

Follow the Python notebook provided here:

 $github.com/epfml/OptML\_course/tree/master/labs/ex08/$ 

You may also open directly in Google Colab:

 $colab.research.google.com/github/epfml/OptML\_course/blob/master/labs/ex08/template/Lab\_8.ipymble.com/github/epfml/OptML\_course/blob/master/labs/ex08/template/Lab\_8.ipymble.com/github/epfml/OptML_course/blob/master/labs/ex08/template/Lab\_8.ipymble.com/github/epfml/OptML_course/blob/master/labs/ex08/template/Lab\_8.ipymble.com/github/epfml/OptML_course/blob/master/labs/ex08/template/Lab\_8.ipymble.com/github/epfml/OptML_course/blob/master/labs/ex08/template/Lab\_8.ipymble.com/github/epfml/OptML_course/blob/master/labs/ex08/template/Lab\_8.ipymble.com/github/epfml/OptML_course/blob/master/labs/ex08/template/Lab_8.ipymble.com/github/epfml/OptML_course/blob/master/labs/ex08/template/Lab_8.ipymble.com/github/epfml/OptML_course/blob/master/labs/ex08/template/Lab_8.ipymble.com/github/epfml/OptML_course/blob/master/blob/m$