HW1 – Instructions

50.039 Theory and Practice of Deep Learning – Y2024

HW1 Description

This Homework 1 (HW1) will have you explore a Machine Learning task of some sort, using a dataset currently stored in the Excel file dataset.xlsx.

Your objective is to look at all three notebooks (1-A, 1-B and 1-C), in order, and to follow the instructions inside. The Notebooks will contain code that is sometimes incomplete.

It is up to you to figure out the missing code, replacing the None variables with something more appropriate. Along the way, some questions (19 in total), will test your conceptual understanding of the task, as well as your coding capabilities. The final two tasks (18 and 19) might require a bit more coding work on your end, with little to no guidance.

Submission

Your submission should consist of:

- The three notebooks 1-A, 1-B and 1-C, with their codes resolved.
- A small PDF report, detailing your answers to all 19 questions.

Your homework should be submitted on eDimension (using the submission prompt in Content/Homeworks/HW1 Submission).

The deadline for the submission is set to **Wednesday 21st February, 11.59pm**.

Late submissions will be penalized to our discretion.

Solutions to HW1 will be uploaded and discussed on Week 6.