Machine Learning for Imaging

Coursework Introduction

Coursework: Masked Auto-Encoder

The coursework is divided into four parts:

- Part A: Create a dataset and a data module to handle the PneumoniaMNIST dataset.
- Part B: Implement MAE utility functions.
- Part C: Implement and train a full MAE model.
- **Part D:** Inspect the trained model.

Important:

- Read the text descriptions carefully and look out for hints and comments indicating a specific 'TODO'.
- Make sure to add sufficient documentation to your code.

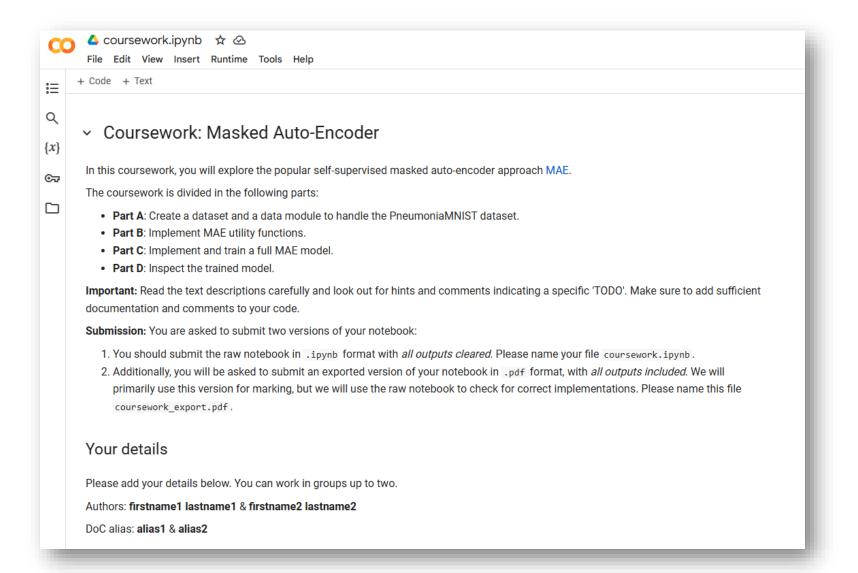
Submission: You are asked to submit two versions of your notebook:

- Submit the raw notebook in .ipynb format with all outputs cleared.
 Please name your file coursework.ipynb.
- 2. Submit an exported version of your notebook in .pdf format, with all outputs included.

 Please name this file coursework_export.pdf.

Coursework notebook

Available on Scientia



Coursework submission

Deadline Thursday, 27 February, 19:00