

Week 5 exercises

What's on today?

Gnoto <https://gnoto.epfl.ch/>

Login with your EPFL credentials

10:15 – 11:00

Practice 5

HuggingFace datasets & tokenizers
Fine-tuning a pretrained transformer

11:15 – 12:00

Submission 1 Week 5

Scaled dot product attention
Multi-head attention
Absolute positional encoding
Rotary positional encoding

Submission 1 – all exercises released

Deadline in three weeks – 8th April, 23:59

Submission 1 Instructions

Files to submit: S1_SCIPER.zip

S1_SCIPER/

- Marked_exercises_submission1_lecture2.ipynb
- Marked_exercises_submission1_lecture3.ipynb
- Marked_exercises_submission1_lecture4.ipynb
- student_model.pt
- student_model_before_init.pt
- student_model_after_init.pt
- quantized_student_model.pt
- Marked_exercises_submission1_lecture5.ipynb

Important!

- The folder name should contain your **SCIPER number** and files should remain with their **original names**
- Notebooks have to contain **pre-computed outputs**, which were computed on **Gnito** using **Python3 kernel**
- We should be able to run your notebooks on Gnito **without any code modifications*** and in a **sequential order**: run “Restart kernel and run all cells”.

*We will add source files if needed.

