Deep Learning for Time Series

Details on the project

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Project

- Task: Time Series Classification (Dataset: LSST)
- Choose one of the following settings
  - Setting 1: Adapt a foundation model
  - Setting 2: Pre-train on forecasting (Informer datasets only), adapt on classification

Project

- Requirements
  - A strong competitor + a decent baseline (without pre-training)
  - A report is due on March 16th, 23:59 Paris time: max 3 pages ICML 2026 style (incl. a link to a git repo for the code)
  - Defense: 10 minutes presentation + 5 minutes question
- Each student should attend the session her/his project is assigned (morning or afternoon)

Data loading

- You can use `tslearn` to load the LSST dataset as `numpy` arrays:

```
from tslearn.datasets import UCR_UEA_datasets

# Load the LSST dataset from UEA archive
ds = UCR_UEA_datasets()
X_train, y_train, X_test, y_test = ds.load_dataset("LSST")
```