

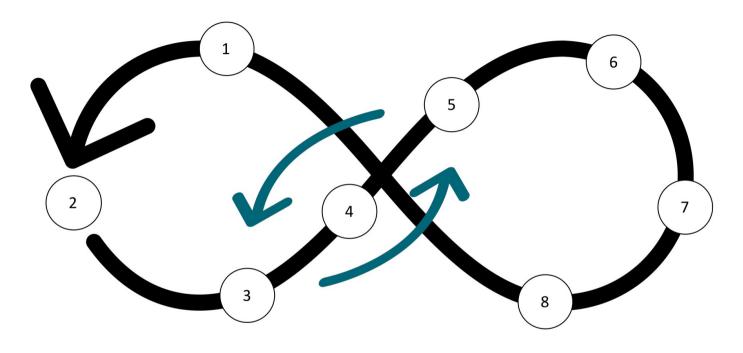


CSC Research Support Coffee: Streamlining ML workflows with MLflow

Erika Sternad 4.12.2024







- 1. Data collection
- 2. Data preparation
- 3. Model development
- 4. (Re-)Training

- 5. Evaluating
- 6. Deployment
- 7. Inference
- 8. Monitoring





Tracking Server

- Model tracking, saving metrics, used parameters etc.
- GUI

Models

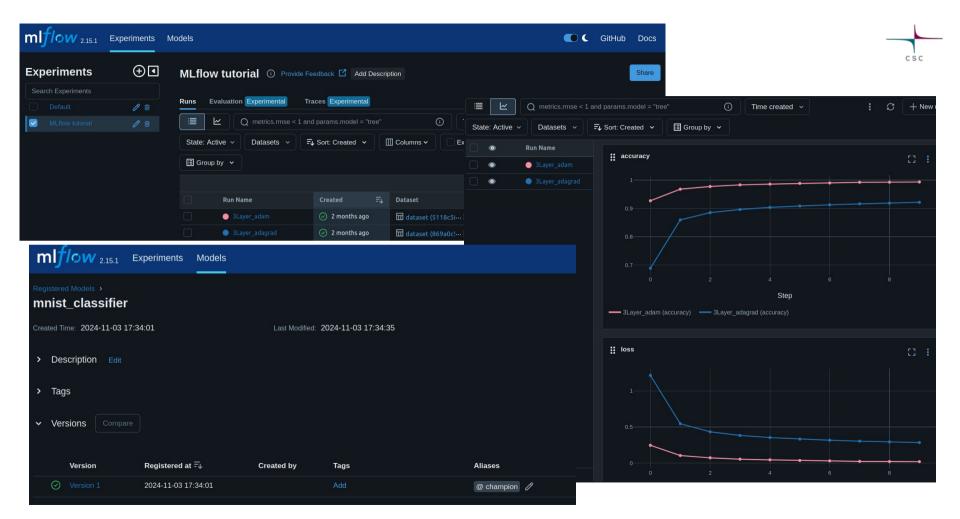
- Saving models consistently
- Serving models locally

Model Registry

- Registering and versioning models
- Managing models in production with aliases

Projects

- Wrapping entire ML projects in gitstyle



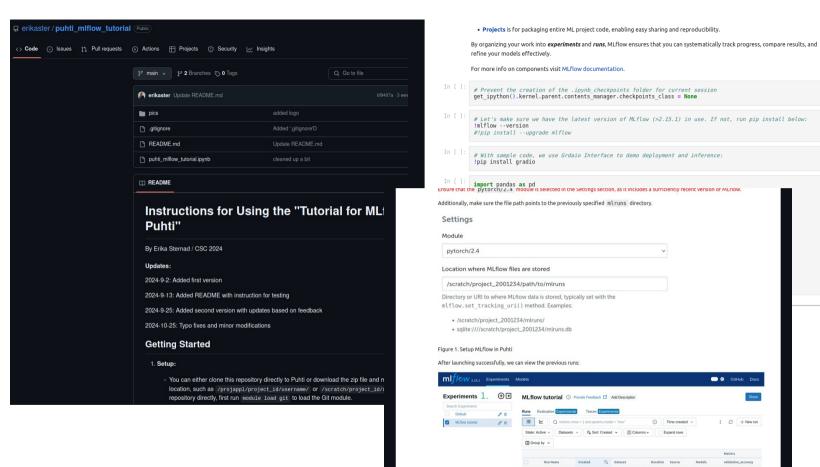




Figure 2. Front page of MLflow UI





https://github.com/erikaster/puhti_mlflow_tutorial





Junior Machine Learning Engineer +358 503373955 erika.sternad@csc.fi

Erika Sternad







