

Data splitting and evaluation

Master thesis

Data splitting

Multivariate Time Series

Meta-Dataset

File 1 → Multivariate Time Series

File 2 → Multivariate Time Series

File 3 → Multivariate Time Series

Train Meta-Dataset

Multivariate Time Series

Multivariate Time Series

Multivariate Time Series

Validation Meta-Dataset

Multivariate Time Series

Multivariate Time Series

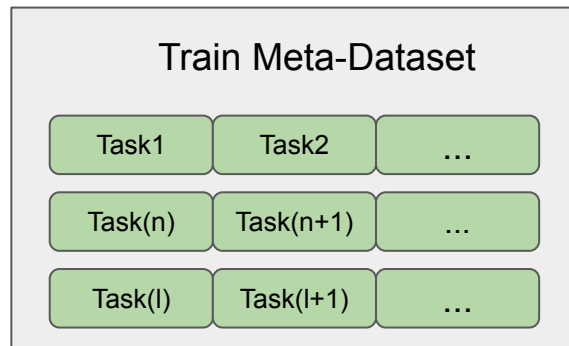
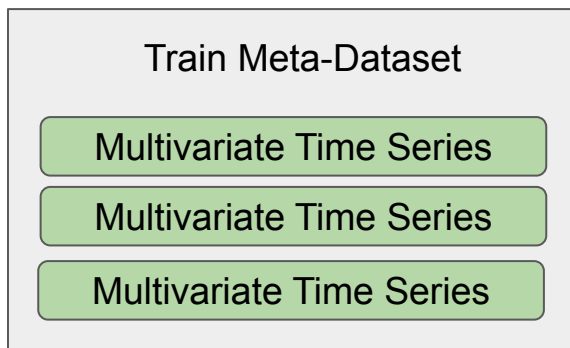
Multivariate Time Series

Test Meta-Dataset

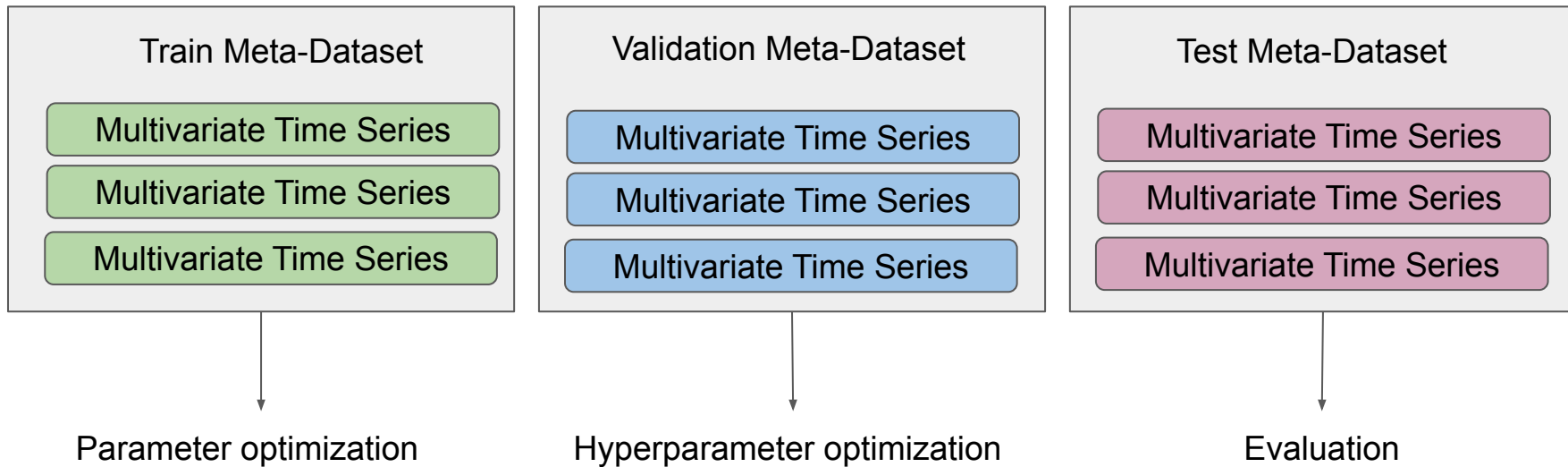
Multivariate Time Series

Multivariate Time Series

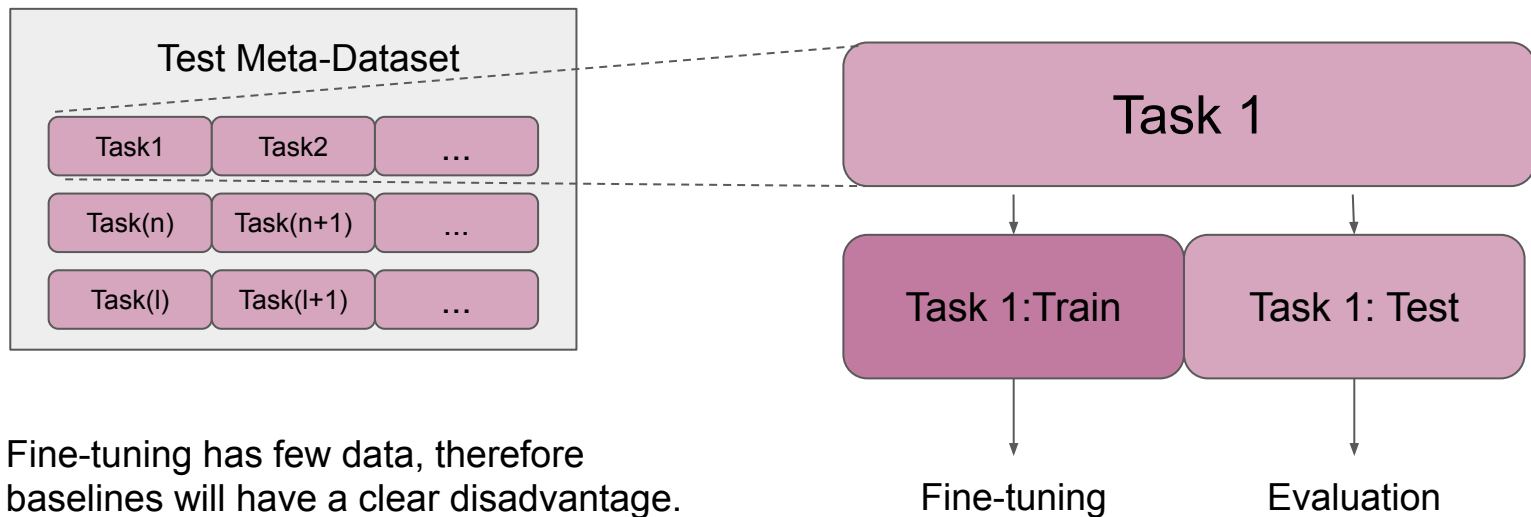
Multivariate Time Series



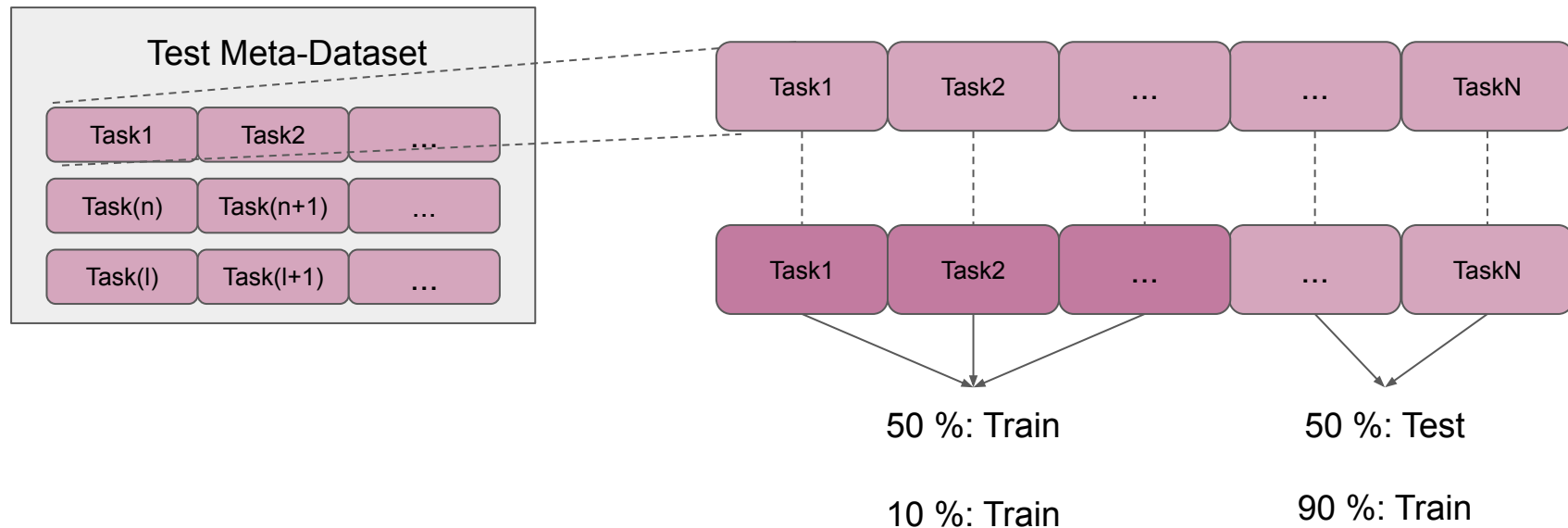
Model evaluation



Evaluation in Meta-Learning



Other Evaluations



Baselines

Baselines

- kNN
- XG-Boost
- **Rocket** (Dempster, A., Petitjean, F., & Webb, G. I. (2020). ROCKET: Exceptionally fast and accurate time series classification using random convolutional kernels. *Data Mining and Knowledge Discovery*, 1-42.)
- **FCN** (Fawaz, H. I., Forestier, G., Weber, J., Idoumghar, L., & Muller, P. A. (2019). Deep learning for time series classification: a review. *Data Mining and Knowledge Discovery*, 33(4), 917-963.)