

Bachelor IT-Project: Stream Imputation

General procedure:

- Read data stream
- Apply imputation
- Evaluate imputation with RMSE

Imputation algorithms:

- Mean imputation
- MICE imputation [1] ← Will be developed by us
- One more from literature e.g. [2]
- All should handle concept drift

[1] Buuren, Stef, and Karin Groothuis-Oudshoorn. "mice: Multivariate imputation by chained equations in R." *Journal of statistical software* 45.3 (2011)

[2] N. Jiang, L. Gruenwald, "Estimating missing data in data streams", *International Conference on Database Systems for Advanced Applications*, 2007