



Bachelorarbeit / Masterarbeit

Collection of test databases for Process Mining applications

Process-oriented data mining (process mining) uses algorithms and data (in the form of event logs) to construct models that aim to provide insights into organisational processes. The availability of the event log data presented to the modelling algorithms is critical to the success of the process mining exercise.

However, these event logs are frequently extracted from databases, as typical business information systems do not provide process data in the necessary format.

A possible bachelor or master thesis would enhance the availability of event log data for research purposes by creating a structured set of relational datasets that are available for research purposes including descriptive statistics and other relevant attributes.

The thesis can be written in either English or German language.

Empfohlene Einstiegsliteratur:

- van der Aalst W. et al. (2012) Process Mining Manifesto. In: Daniel F., Barkaoui K., Dustdar S. (eds) Business Process Management Workshops. BPM 2011. Lecture Notes in Business Information Processing, vol 99. Springer, Berlin, Heidelberg
- <https://data.4tu.nl/>

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