

Process Mining



Lesson Project List

Research Project+Exam

- Research project is not Mandatory
- You have to present your research project to the class
- You have to work in group (except in some cases)

Exam Rules

Project (*2/4 students per group*). Study a specific research topics in the area of Process Mining and expose the result of the reaseach to the class (from 0 to 6pt.) - *optional*

Write Exam. (from 0 to 27pt.) - *mandatory*

Research Project

- [1] Review of Process Mining approaches that mine Declarative Business Process Model (i.e. CMMN, Declare, etc...)
- [2] Review of Process Mining approaches that mine Process Algebra models
- [3] Review of Process Mining approaches that mine organizational view

Research Project

- [4] Study in deep ProM tool and show how it can be used for process mining to the class
- [5] Try to create a simple algorithm that map a logs to a declarative language (i.e. CMMN, declare or another one)
- [6] Provide an alternative simple way to define data logs in a single file that not used XML files (so, not like XES) – Implement read and write functions using a JAVA or C#

Research Project

- [7] Implement the Alpha Algorithmn in JAVA or C#

QUESTIONS??