

Process Mining – Project

Index

- 1) Introduction (Describe what you will do, **focusing on the objective of the project**, describe the structure of the document)

The objective of the project:

- a. **Show how an algorithm works in a tool;**
 - b. **Show how an algorithm works with different tools comparing the results;**
 - c. **Compare the results of two algorithms using a tool;**
 - d. **Compare the results of two algorithms using different tools.**
- 2) Describing the LOG (The student can describe general information on the log he/she intend to used considering the number of cases, events, ...)

Logs has to be used (eventually both):

- a. Use a simple xes file (available on the exercise of the book)
- b. Use a real log (available on the <http://data.4tu.nl/repository/>)
- c. Blockchain files (<http://virtualpros.unicam.it:8080/MiningFramework>)

- 3) Describing the project you did

- a. **Show how an algorithm works in a tool;**
 - i. Describe the algorithm
 - ii. Describe the tool
 - iii. Show what is the result (calculate fitness and precision)
- b. **Show how an algorithm works with different tools comparing the results;**
 - i. Describe the algorithm
 - ii. Describe the tool(S) – compare
 - iii. Show what is the result (of the two tools eventually describing the difference between the two tools influence the results)
- c. **Compare the results of two algorithms using a tool;**
 - i. Describe the algorithm(s) comparing them
 - ii. Describe the tool
 - iii. Show what is the result (calculate fitness and precision for each algorithms and comparing the results).
 - iv. If different languages are available as output of the algorithms you can discuss also related the mapping or the difference of the languages.
- d. **Compare the results of two algorithms using different tools.**
 - i. Describe the algorithm(s) comparing them
 - ii. Describe the tool(S) – compare
 - iii. Show what is the result (of the two tools eventually describing the difference between the two tools influence the results) (compare the results of the algorithms calculating fitness and precision for each algorithms and comparing the results).
 - iv. If different languages are available as output of the algorithms you can discuss also related the mapping or the difference of the languages.

- 4) **Conclusion**

- 5) **References**