INFO-H420
Management of Data Science and Business Workflows
Practice Session
Process Mining

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Process Mining with Apromore

- https://apromore.com/join-academic-alliance/

Once you have a license:

- https://academic-eu.apromore.org/

- Username: Dimitris.Dimitriadis
- Password: in course

Exercise 1

Let's analyze the Procure-to-Pay log.

Here's the process description.

- *A worker (the 'requester') wants to buy a new computer*
- *The requester seeks approval from a manager (the 'requester manager') for the purchase*
- *The request goes to the purchasing department, and a purchasing agent places an order*
- *The supplier fulfils the order and sends an invoice*
- *Finally, an invoice is released and paid by the financial manager.*

Answer these questions.

1. What are the different ways in which this process may end?
2. Are there rework loops?
3. Are there some activities that are sometimes skipped?

Exercise 2

Continuing with the Procure-to-Pay log, answer these questions.

1. How many cases had to settle a dispute with the purchasing agent?
2. Is there a difference in average duration (cycle time) for the cases that had to settle a dispute with the purchasing agent, compared to the ones that did not? (Make sure you only compare cases that reach the endpoint 'Pay invoice').
3. What's the percentage of cases that complete without an amendment?
4. And the percentage of cases that get paid without an amendment?