



# Automated process discovery

## Apromore - Exercises

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- Courtesy of

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## Exercise 1: Discovery of a Repair Process

Consider the log of a device repair process. [Device Repair.xes.gz](https://device-repair.xes.gz)

Analyze this log using both the process map view and then the BPMN view. Note: This log is sufficiently simple that you can visualize 100% of arcs and nodes.

1. Is there any rework in this process? If so, where?
2. A case is “completed” if the “Archive repair” task has been performed. Are there cases that have not yet completed (or for which the completion has not been recorded in the system)?
3. Analyze the handoff map to understand who is involved in this process and who hands work to whom.

## Exercise 2 : Discovery of a hospital treatment process

Consider the following event log of a process for treatment of patients with Sepsis infection in a Dutch hospital:

1. Describe the most frequent paths in this process (case variants).
2. What is/are the differences between Release A and other types of patient releases (e.g. Release B, C, etc.)?
3. Which parts of the process get repeated? What are the most frequent loops?