

BPT / AGP

ST / DPT, Winter Term 2024 / 2025

Sheet 5: Process Mining with Celonis (Optional but nevertheless important, 10 Points)

a) Please recreate the basic example from the slides (3 P)

- create the Excel / CSV sheet
- Upload and analyse in Celonis (Celonis free plan)... see slides

<https://signup.celonis.com/ui/sign-up/get-started>

Upload a PDF of the result

b) Please recreate the Camunda example from the slides
(all 5 possible paths) (7 P)

- Add script tasks to the process
- Start
- Manually a header row
- Import CSV Sheet into Celonis
- Analyse the result => is it correct ?
- Upload a PDF of the Process ("number of cases" – View)

Optimized Script
(Credits go to Jan-Henrik Preuss)

```
String id = execution.getProcessInstanceId()
String name = execution.getCurrentActivityName()
String timenew = new Date().format("yyyy-MM-dd HH:mm:ss")
File file = new File("c:\\tmp\\out.csv")

file.append(""+id+", "+timenew+", "+name+"\n")
println id + ", " + timenew + ", " + name

sleep (1000)
```

Main Advantages:

- Name of the task in the log file is automatically extracted from the BPMN task
- No external variables needed