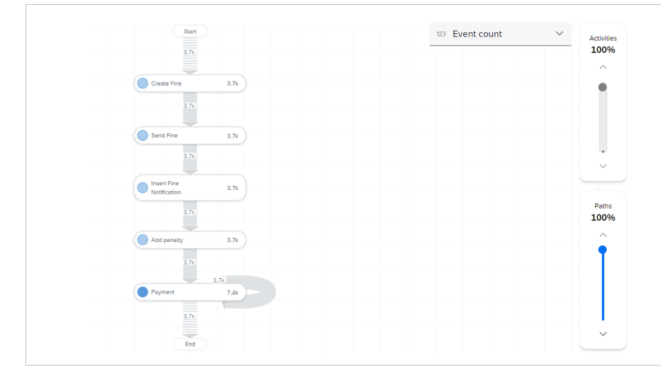
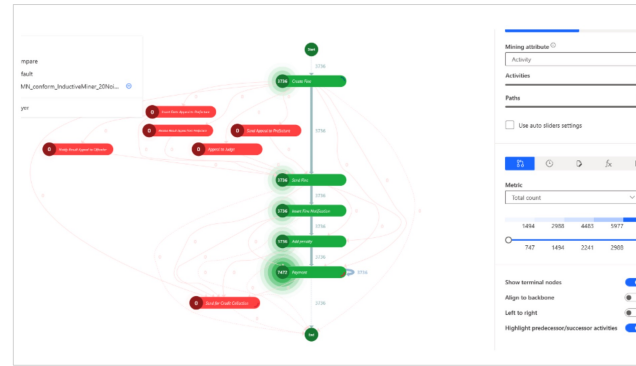
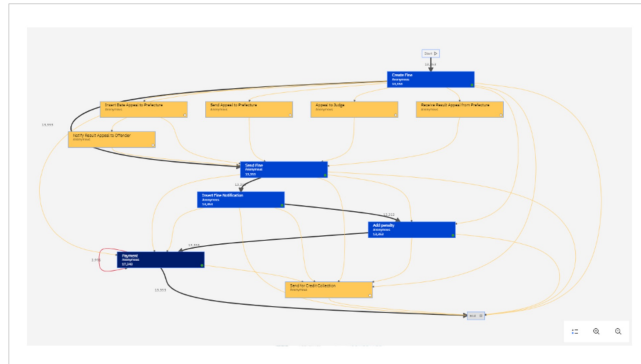


# Development of a website that showcases interactive process mining visualizations

Marie-Christin Häge & Jana-Rebecca Rehse



# Motivation

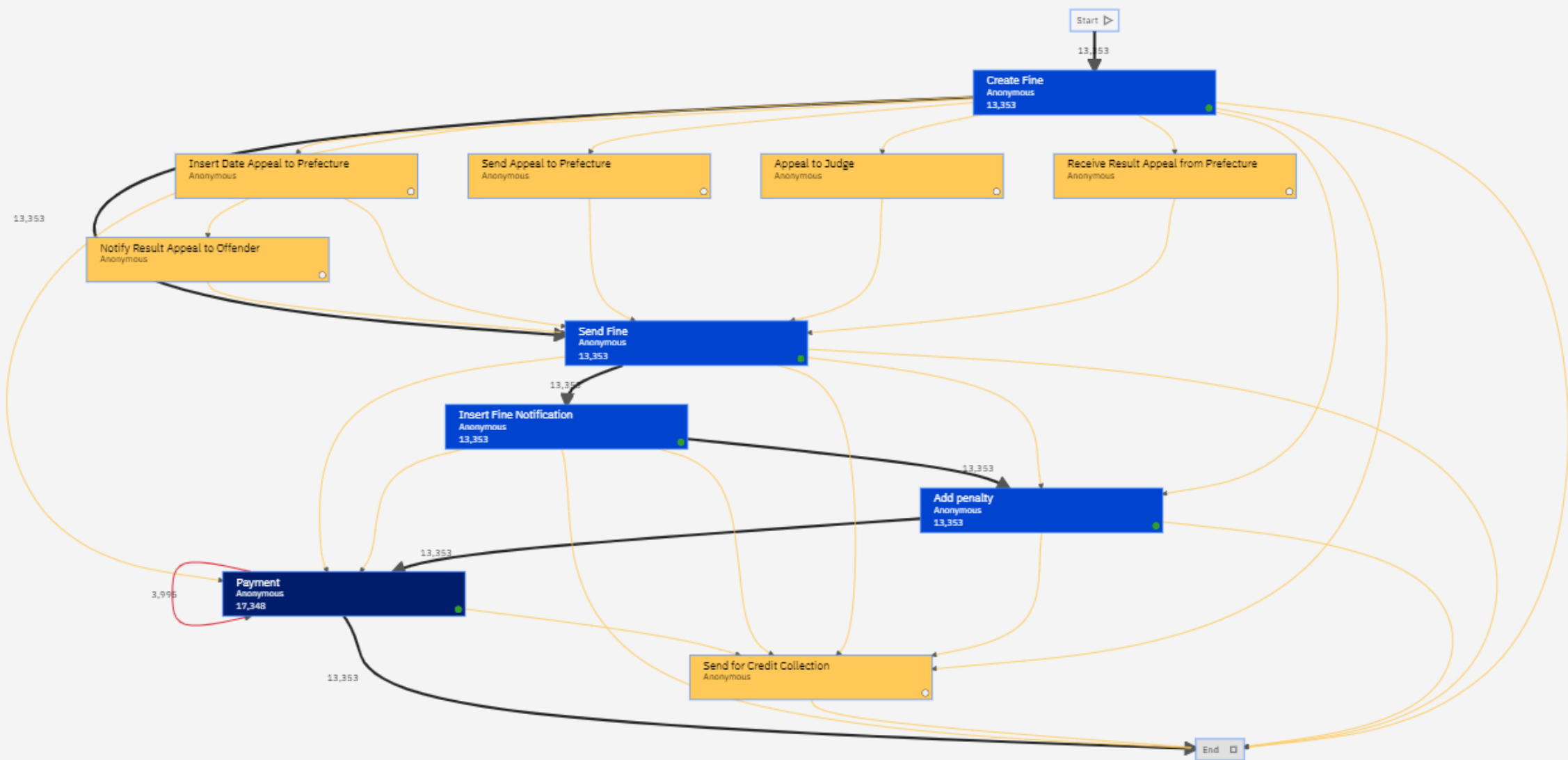


## Problem

- Tools use completely different visualizations and also algorithms behind them → hard to compare and define what is best

## Goal

- We want to conduct own experiments to see how different types of visualizations are preceived by the user & need own implementation for it

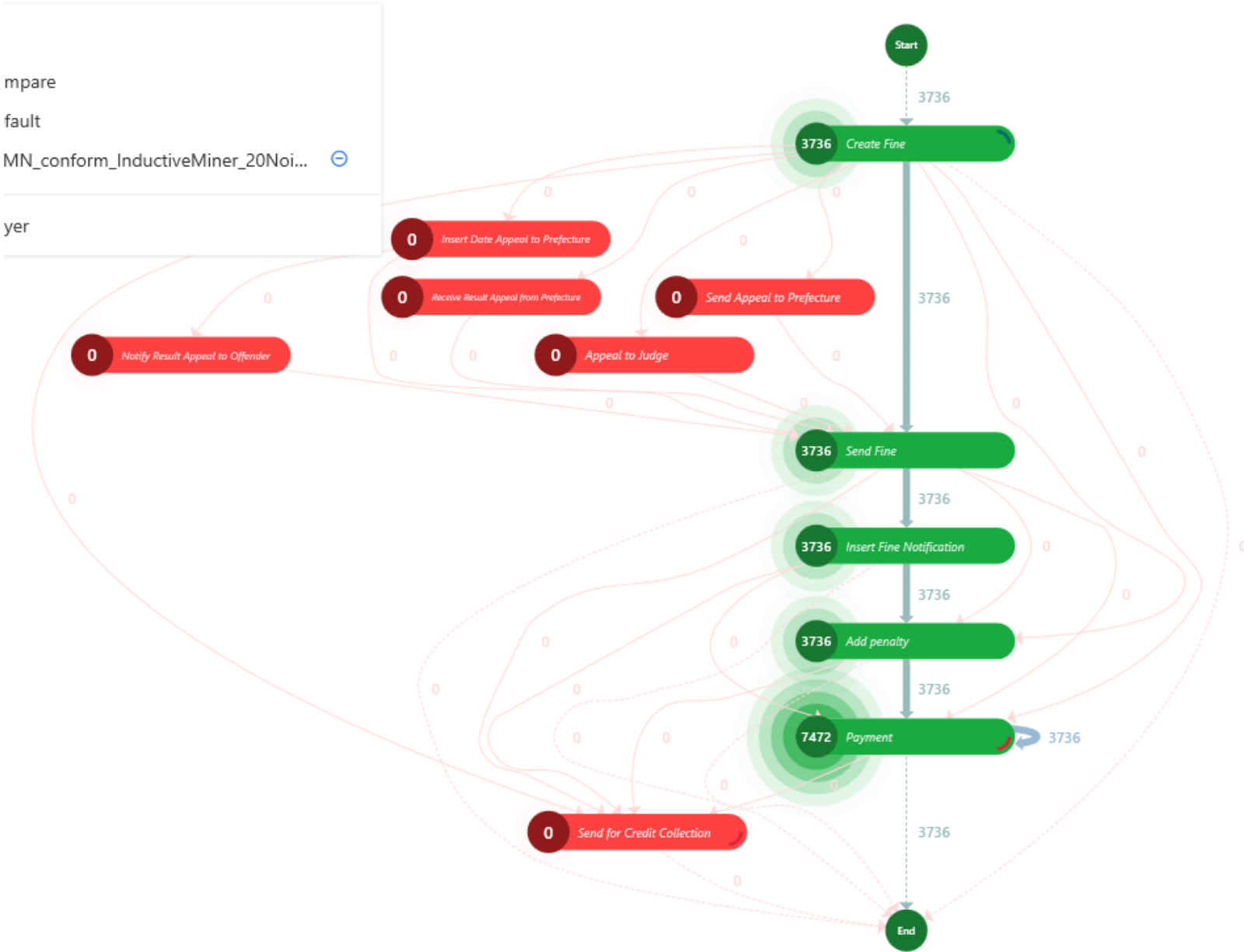


mpare

fault

MN\_conform\_InductiveMiner\_20Noi...

yer



Mining attribute ⓘ

Activity

Activities

100 %

Paths

100 %

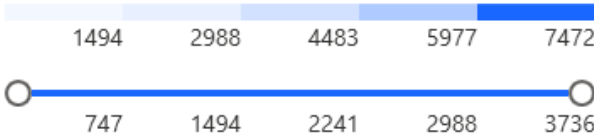
☐ Use auto sliders settings



Metric

Total count

%



Show terminal nodes

☒ On

Align to backbone

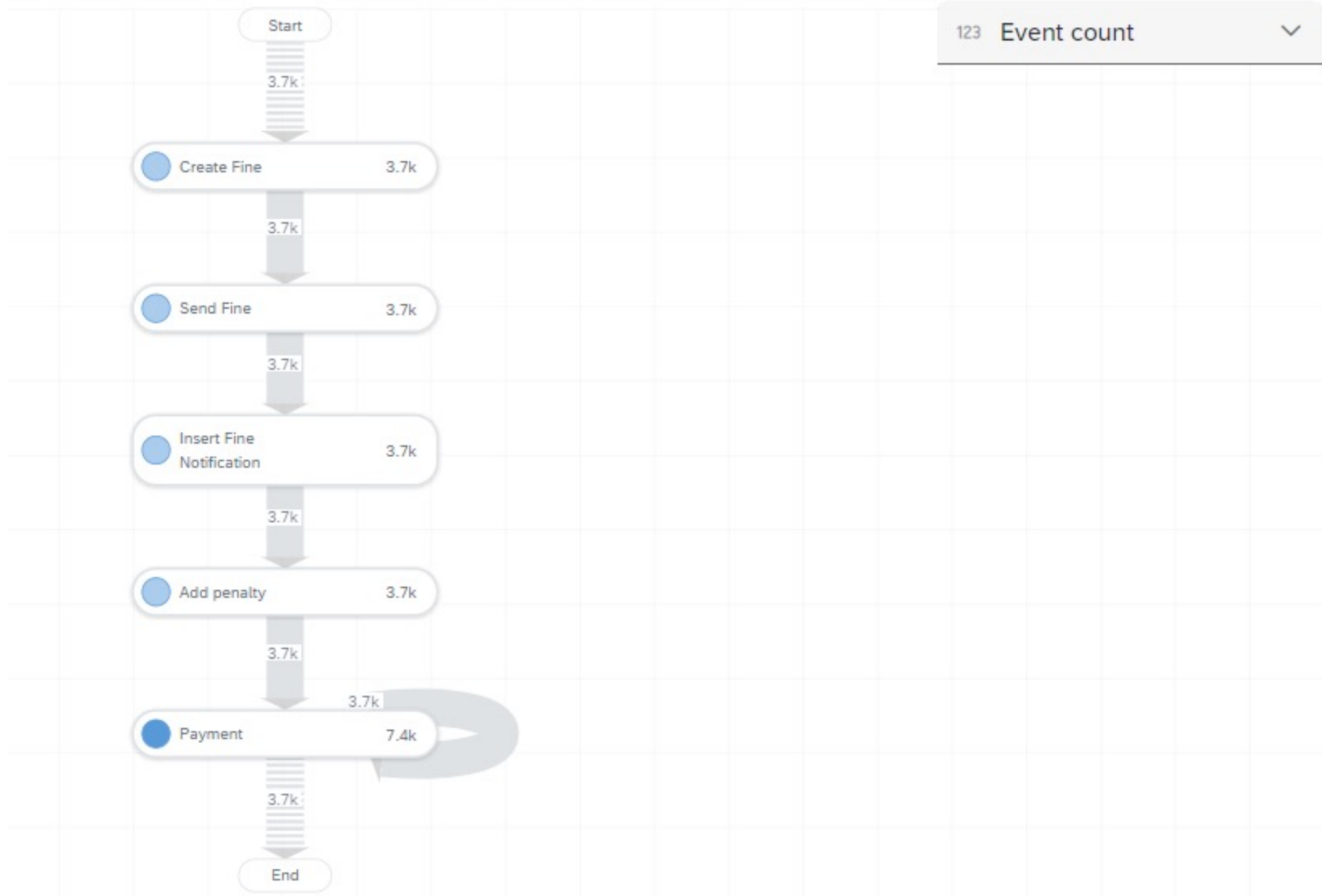
☐ Off

Left to right

☐ Off

Highlight predecessor/successor activities

☒ On



123 Event count

Activities

100%



Paths

100%





# Project Goals

- **Build a website that can be used for such experiments, including an interactive process model visualization**
  - Directly-Follow-Graph needs to be implemented and visualized based on two different types of layout rules
  - Include a slider allowing a dynamic adjustment of the path and activity level
  - Track the step a user does while they are on the website through UI recognition
  - Include space for questions, so that the user can read the questions and parallel work with the visualization

# Project Requirements

- **Language:** English or German
- **Duration of the project:** 6 Months
- **Number of participants:** 4-6
- **Prerequisites (not mandatory but preferred):** IS515 or IS514, Interest and Basic Understanding in Process Mining, Programming Skills in Web Development (JavaScript,...) & Python
- **Not Applicable to MMDS**
- **Person of Contact:** [marie-christin.haege@uni-mannheim.de](mailto:marie-christin.haege@uni-mannheim.de)