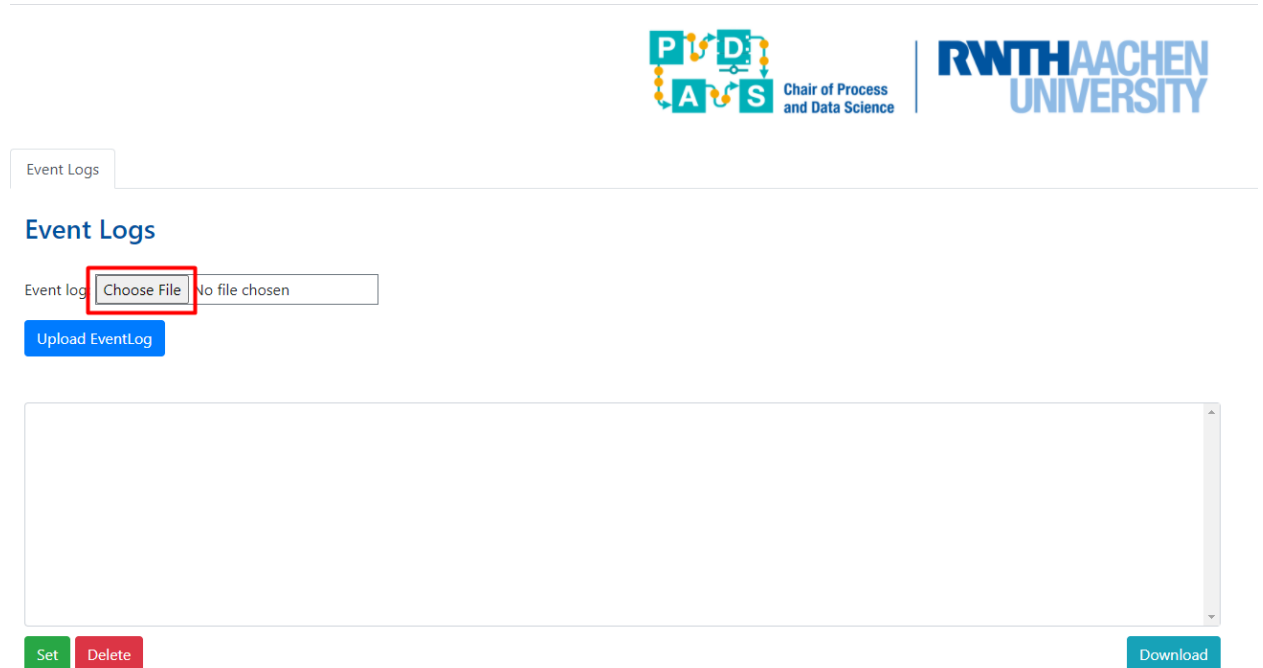


Comparative Process Mining


User Manual

- **Uploading Event log:**

1) Press the **Choose File** button.



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Event Logs

Event Logs

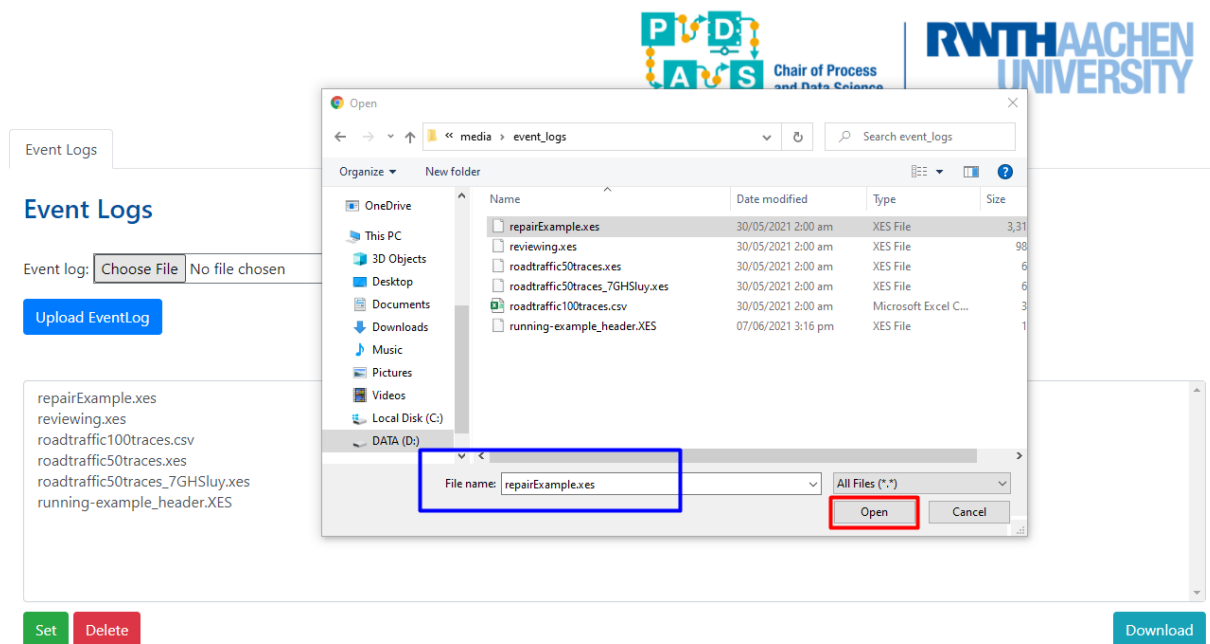
Event log Choose File No file chosen

Upload EventLog

Set Delete

Download

- 2) Select the event log file you want to upload and press **Open**.



- 3) After the event log file has been selected, press the **Upload Eventlog** button to upload it to the server.



4) You will be able to see the uploaded event log in the event log selection menu.

Event Logs

Event Logs

Event log: No file chosen

repairExample.xes

- **Comparing different Models:**

1) Select the event log that you want to analyze and press the **Set** button to set it as your chosen event log.

Event Logs

Event Logs

Event log: No file chosen

repairExample.xes

- 2) After you have selected the event log, an **Add Model** button will appear. Press this button to add a pair of process models.



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Event Logs

Event Logs

Event log: No file chosen

repairExample.xes

- 3) You will be able to see two unfiltered Directly Followed Graphs (DFGs) on the left and right hand side of the window:

Benchmarking

Select columns and its values to compare

Column Name:

Choose Column:

Column Value:

Choose Column Value:

☐ All except this value

Type Value:

Frequency:

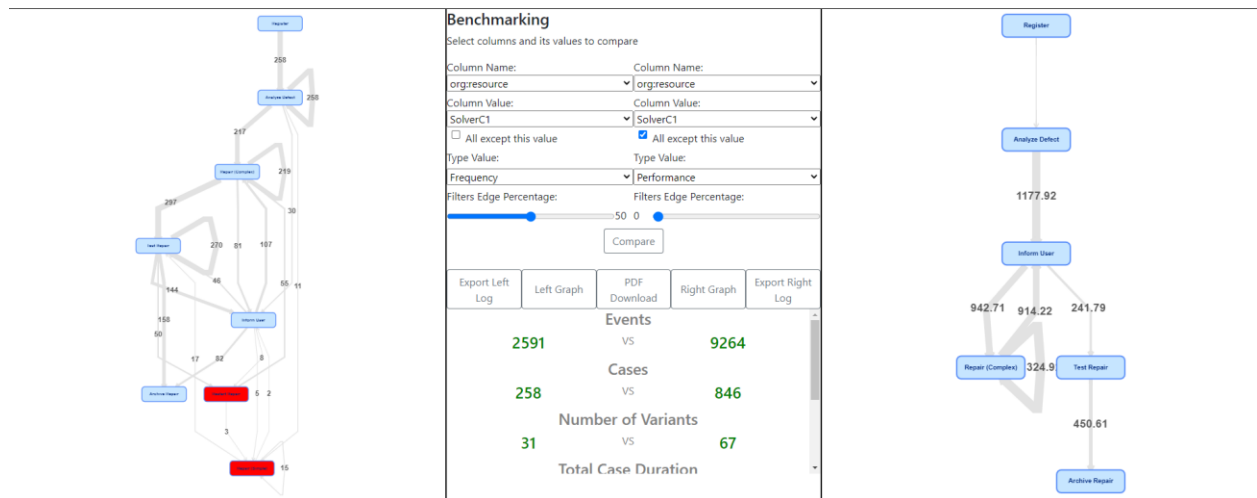
Filters Edge Percentage:

Events		Cases	
11855	VS	11855	
6	1104	VS	1104
77	Number of Variants	VS	77
	Total Case Duration		

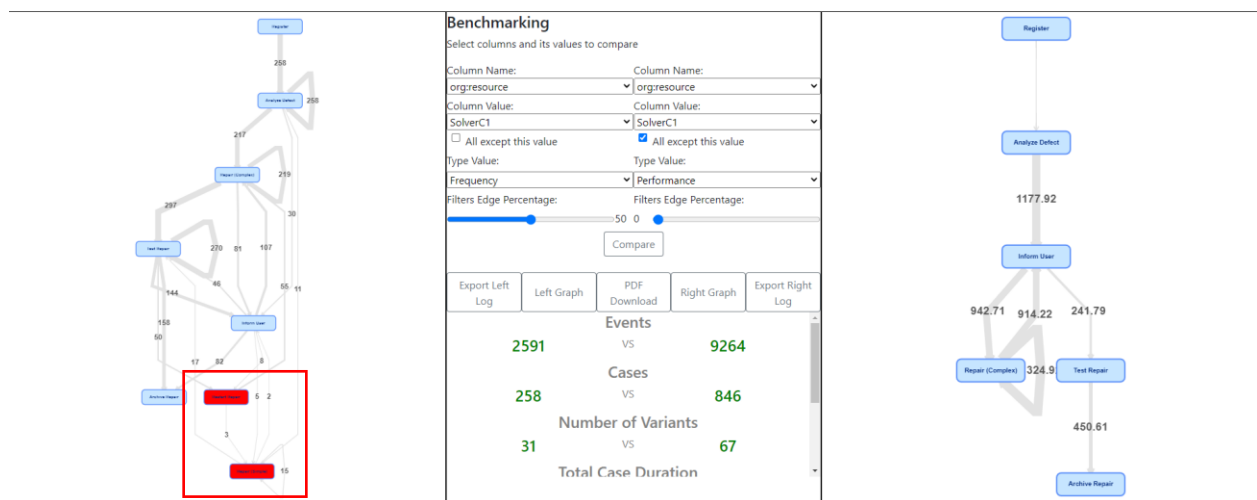
- 1) Select the column from the event log you want to filter on.
- 2) Select the value of the column on which you want to filter the DFG.
- 3) Check this checkbox if you want to filter out all the other values except the selected column value, otherwise leave it unchecked.
- 4) Select the type of the value you want to be shown on the edges. It can be either Frequency or Performance.
- 5) Move the slider to select the percentage of edges you want to filter.

- 6) This window shows all the stats of the respective DFGs on the left and right hand side.
- 7) After you have selected all the filter values for both left and right DFGs, you can press the **Compare** button to get the filtered DFGs.

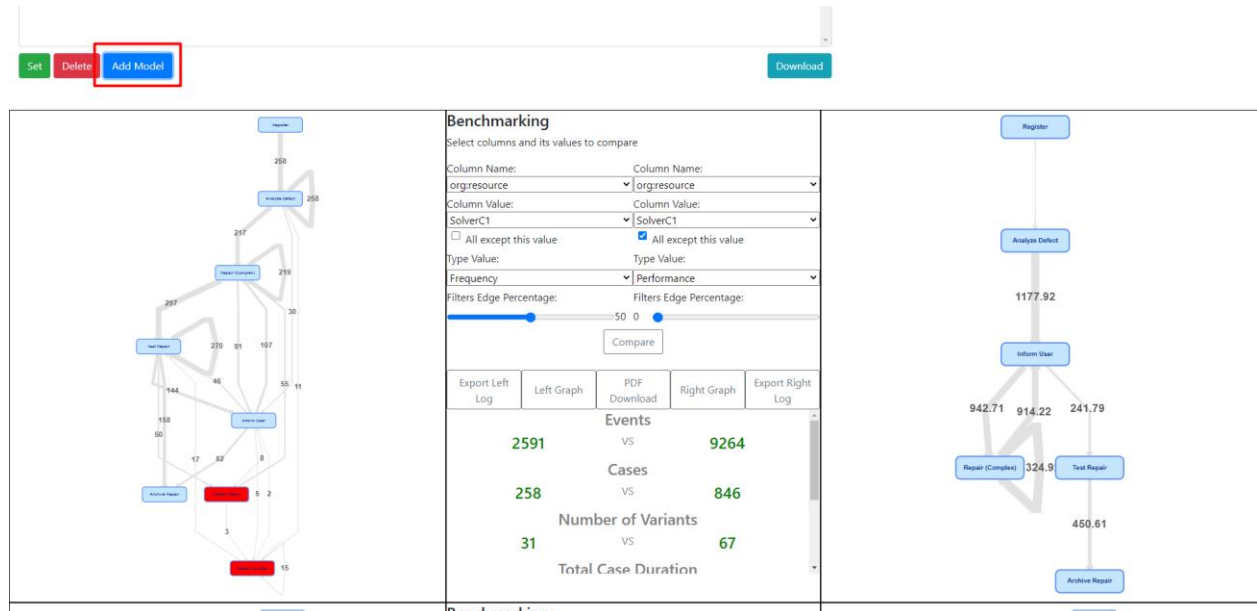
4) These are the DFGs you get after you have selected the required filter values and press the **Compare** button:



5) The **Red** colored activities in the DFG represent the activities which are not common among the process models, meaning they are present in one DFG but not in the other:

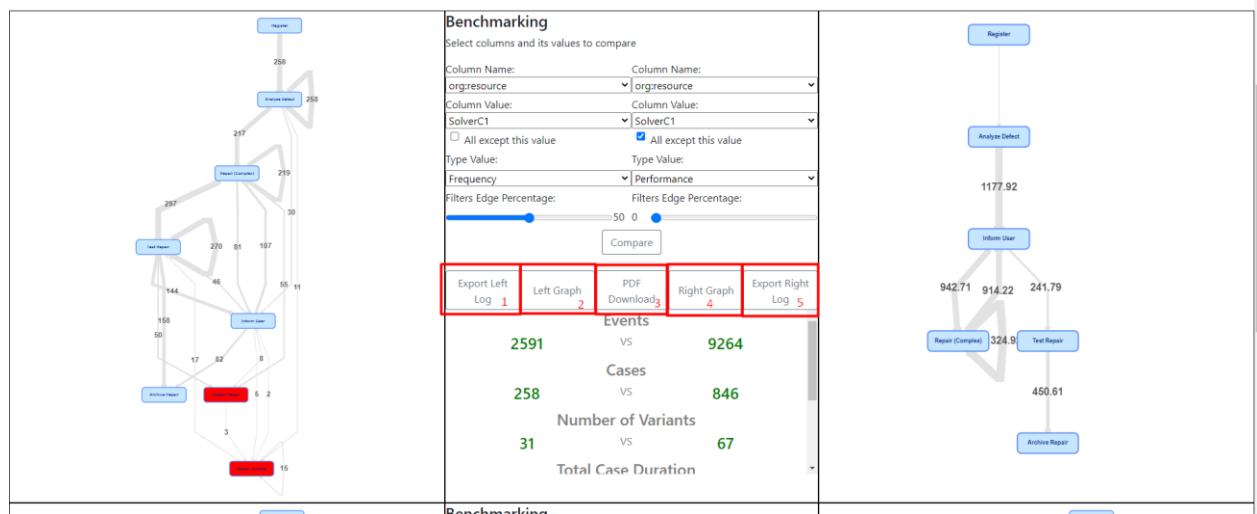


- 6) You can press the **Add Model** button to add as many pairs of comparison models as you want.



- **Exporting filtered event logs, DFGs and stats:**

- 1) After you have performed your comparisons, you can also export the filtered event logs, the filtered DFGs or a PDF with both DFGs and their statistics.



- 1) Press this button to export the left filtered event log.
- 2) Press this button to download the left DFG.
- 3) Press this button to download a PDF containing both DFGs and their respective statistics.

- 4) Press this button to export the right filtered event log.
- 5) Press this button to download the right DFG.

- **Deleting the uploaded event log:**

- 1) After you have performed your comparisons, you can also delete the event log from the server by selecting the event log and pressing the **Delete** button.



Event Logs

Event Logs

Event log: No file chosen

repairExample.xes