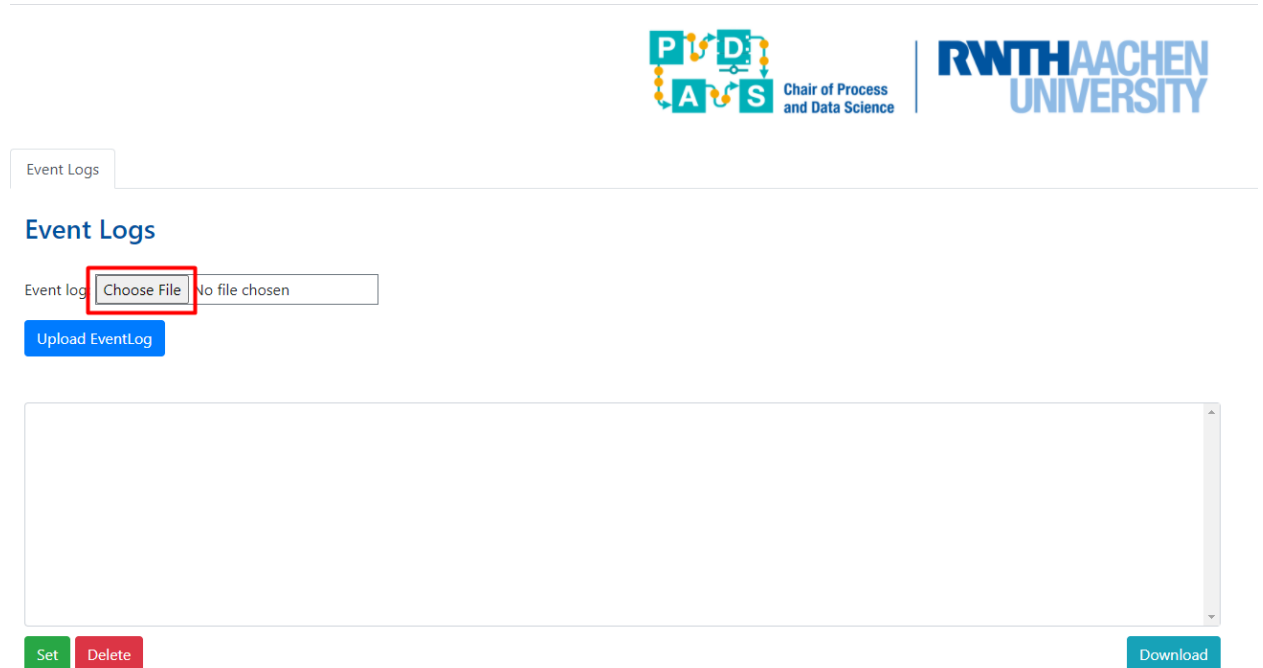


Comparative Process Mining

User Manual

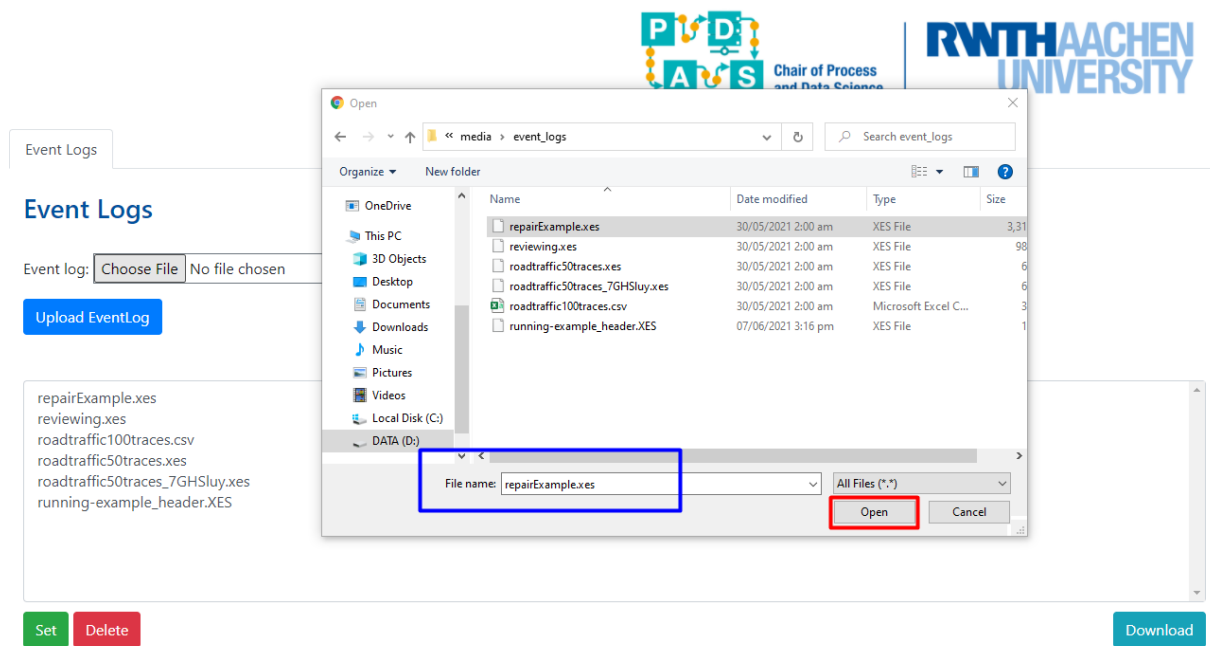
- **Uploading Event log:**

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



The screenshot shows the 'Event Logs' section of a web application. At the top right, there are logos for the 'Chair of Process and Data Science' and 'RWTH AACHEN UNIVERSITY'. Below the logos, a tab labeled 'Event Logs' is active. The main heading 'Event Logs' is displayed in blue. Underneath, there is a label 'Event log' followed by a file selection interface. This interface includes a button labeled 'Choose File' (which is highlighted with a red rectangle in the image) and the text 'No file chosen'. Below the file selection area is a blue button labeled 'Upload EventLog'. A large, empty rectangular box with a vertical scrollbar on the right side occupies the middle of the page. At the bottom left of this box are two buttons: a green 'Set' button and a red 'Delete' button. At the bottom right of the box is a teal 'Download' button.

- 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

- 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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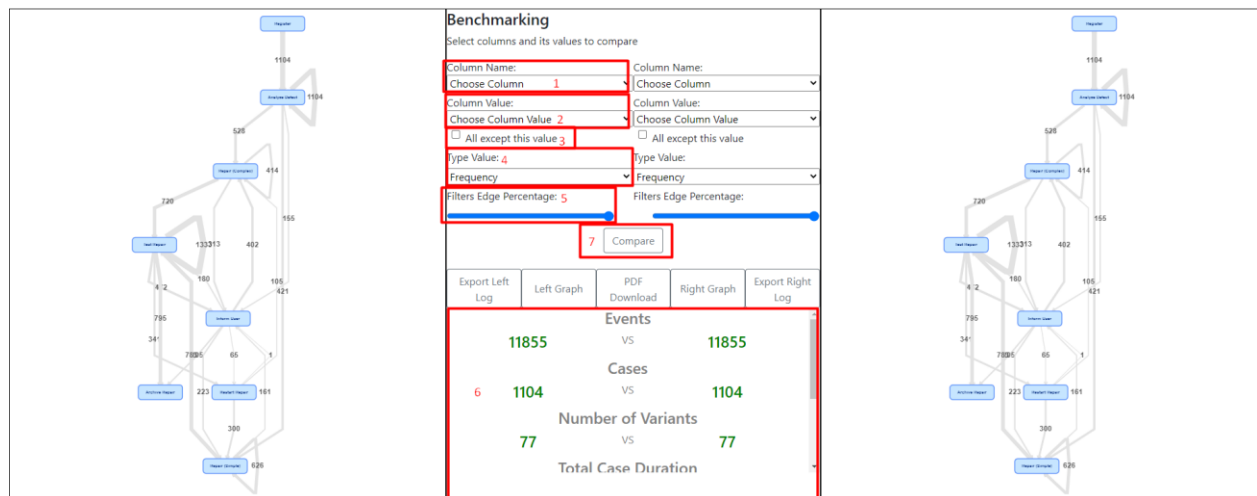
Event Logs

Event Logs

Event log: No file chosen

repairExample.xes

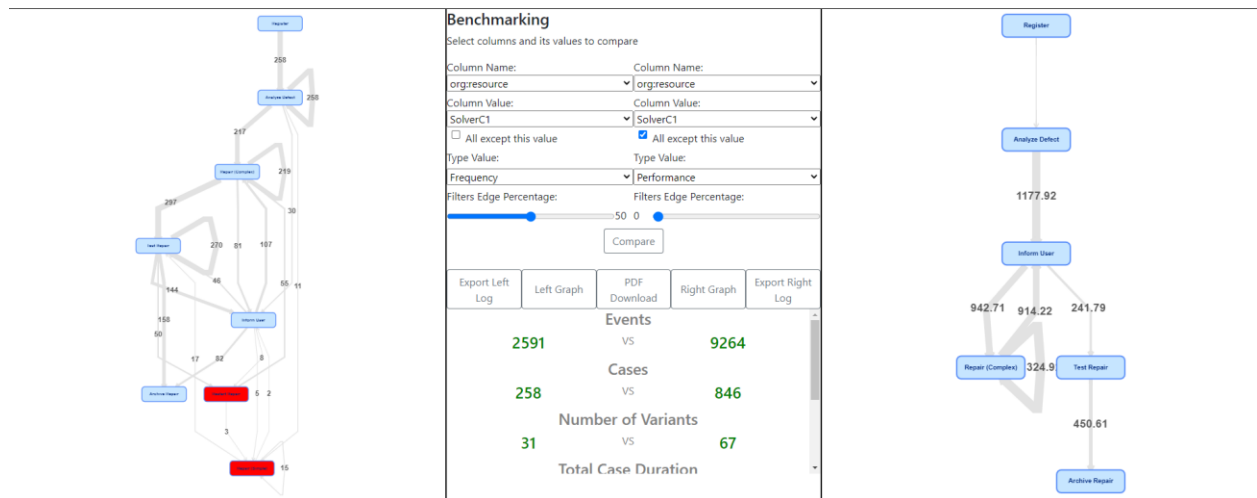
- You will be able to see two unfiltered Directly Followed Graphs (DFGs) on the left and right hand side of the window:



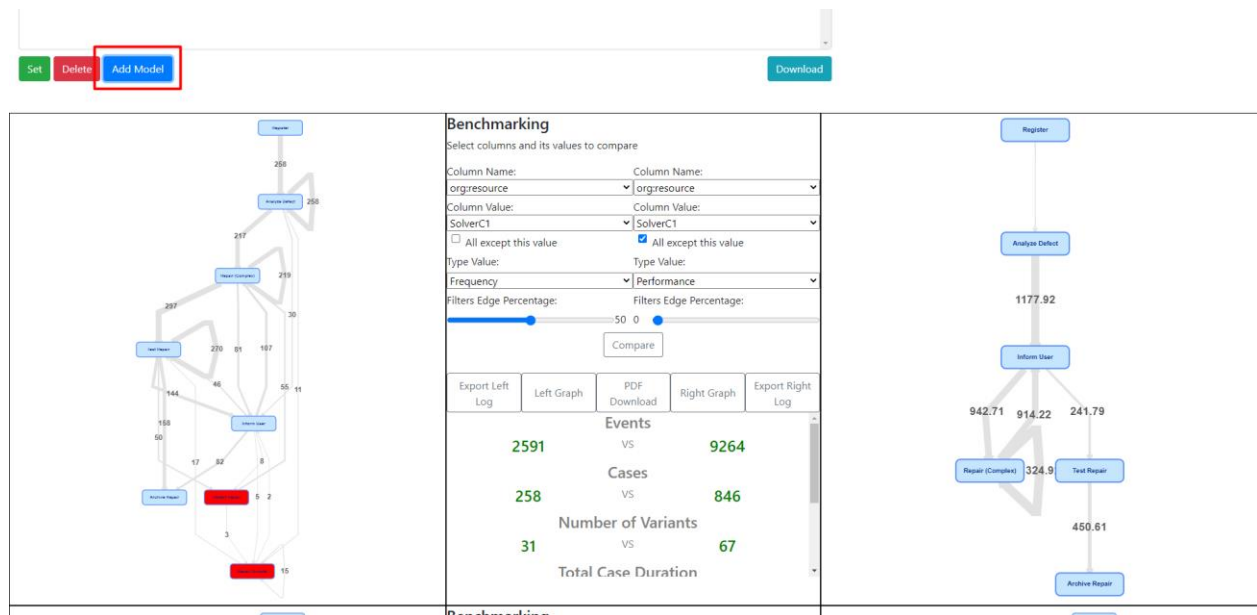
- Select the column from the event log you want to filter on.
- Select the value of the column on which you want to filter the DFG.
- Check this checkbox if you want to filter out all the other values except the selected column value, otherwise leave it unchecked.
- Select the type of the value you want to be shown on the edges. It can be either Frequency or Performance.
- 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:

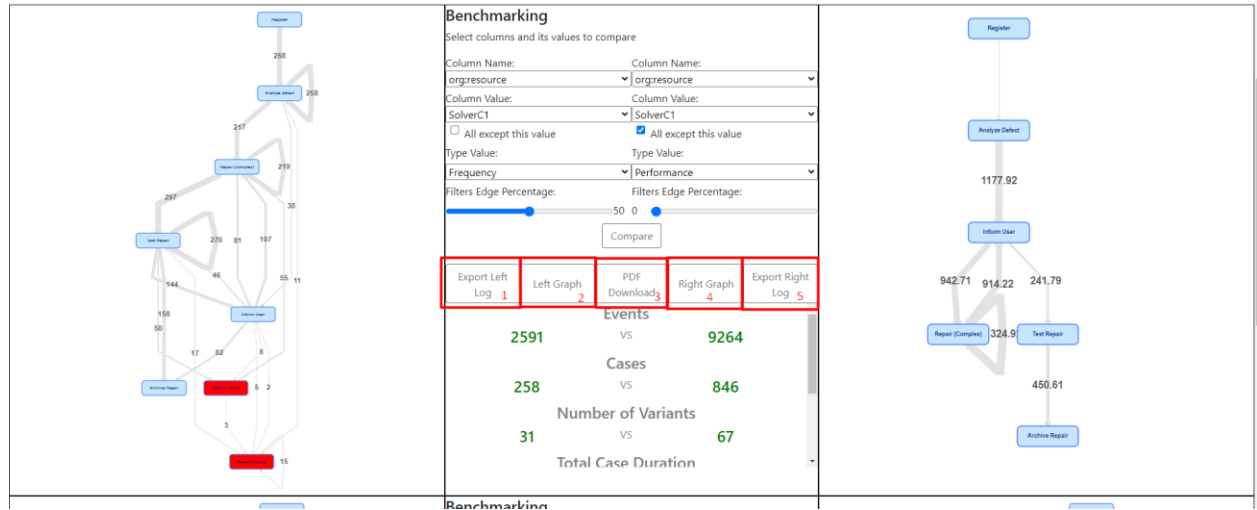


5) You can press the **Add Model** button to add as many pairs of comparison models as you want.



- **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.



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Event Logs

Event Logs

Event log: No file chosen

repairExample.xes