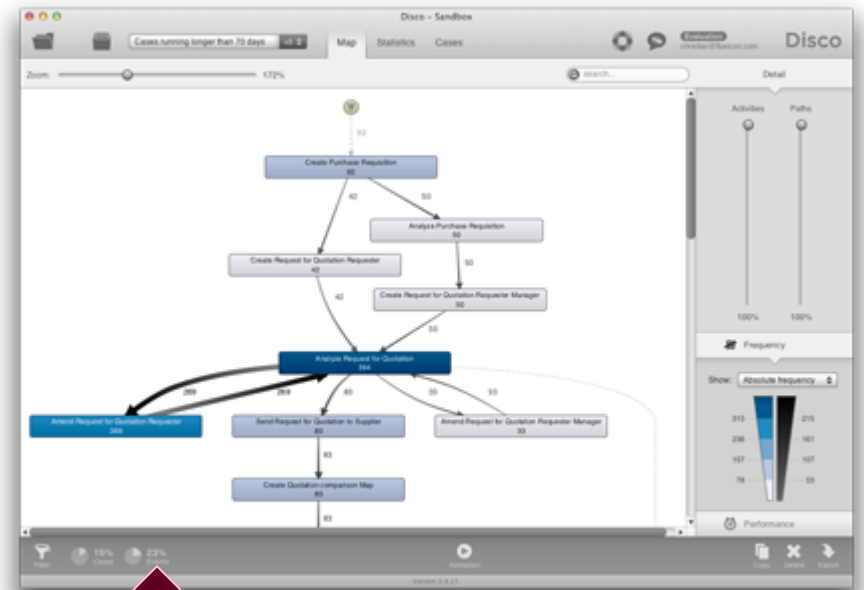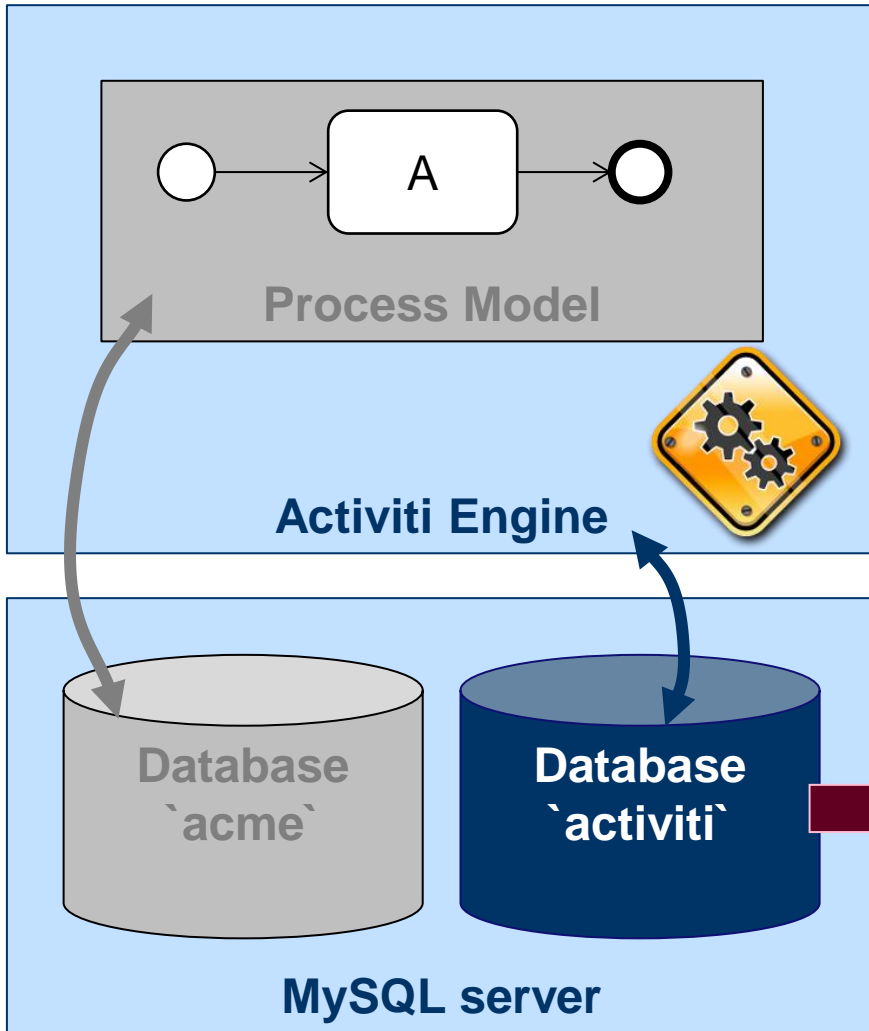Dirk **Fahland**

2IO71 **DBL Information Systems**

Tutorial **Analyzing Event Logs from Activiti in Fluxicon Disco**

TU/e Technische Universiteit
Eindhoven
University of Technology

Where innovation starts

Goal

Log table in Activiti

Database `activiti`

- log into the **activiti** database
  `mysql -u root activiti`

- the table `act_hi_taskinst` contains events of all tasks that were ever executed in your activiti installation
  `SELECT * FROM `act_hi_taskinst`;`
  - `PROC_DEF_ID_` = process in which the event occurred
  - `PROC_INST_ID_` = process instance in which the event occurred
  - `NAME_` = the task that was executed
  - `ASSIGNEE_` = user/resource that executed the task
  - `START_TIME_` = time the task was started (shown in the task list)
  - `END_TIME_` = time the task was completed
  - `DESCRIPTION_` = additional information (provided by task definition)

Extract log table to .csv file

- To extract the entire log (with all columns), into a file **log.csv** in the current directory, run

```
SELECT * into OUTFILE './log.csv'
FIELDS TERMINATED BY ','
ENCLOSED BY '"'
ESCAPED BY '\\'
LINES TERMINATED BY '\n'
FROM `act_hi_taskinst`;
```

- use the WHERE clause to just extract events of a particular process

- select only particular columns if needed

Make .csv file readable for Fluxicon Disco

- open the log.csv in an editor and prepend the following line as a header line

```
ID_,PROC_DEF_ID_,TASK_DEF_KEY_,PROC_INST_ID_,
EXECUTION_ID_,NAME_,PARENT_TASK_ID_,DESCRIPTION_,
OWNER_,ASSIGNEE_,START_TIME_,END_TIME_,DURATION_,
DELETE_REASON_,PRIORITY_,DUE_DATE_
```

- this header is needed to properly import the .csv file as a log file in Disco

Import the .csv file into Disco

define event attributes

2. select column type
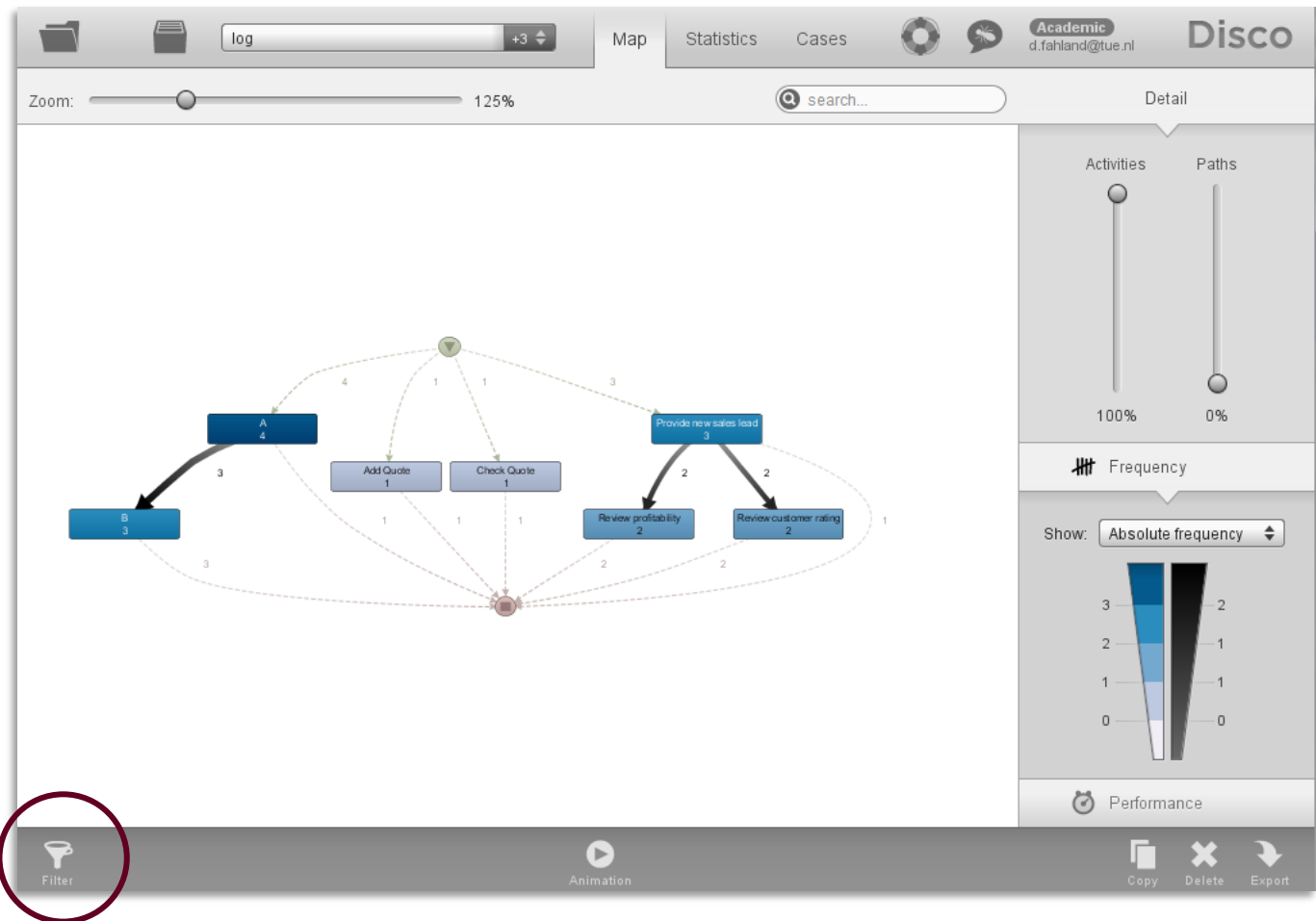

1. select column

you **need**
- process instance **ID**
- **activity** name
- **timestamp**
- resource/user is optional

you can define **other** (additional) attributes

if your log contains events of different processes, add column PROD_DEF_ID as **other** attribute

Start Analyzing

if your log contains events of different processes,
filter on values of attribute PROD_DEF_ID

Dirk **Fahland**

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Good Luck!

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