Fall 2019

**Process Mining Homework (2 points)**

1. Download DISCO from <http://www.fluxicon.com>. Spend some time playing around in the “Sandbox” to get familiar with the software (not for grade). Here is your homework.

Import the tiny event log in the accompanying “TedExampleProcessLog” Excel file. Identify the Case, Activity (=Operation), Timestamp and Resource(=Agent) columns.

a. Comment on the process map (include the map in your answer). Is there a problem in the process? Check that the map and related statistics are correct. Record you checking process.

b. Produce a map showing the interaction between the resources (Helen and George) by identifying the Agent column as the activity (a trick). Include the map in your answer. Comment on the resulting resource-to-resource map.

2. Read the paper (available on our Canvas shell) “A Field Study on the Use of Process Mining of Event Logs as an Analytical Procedure in Auditing.” The authors found several issues in the discovered process map that might indicate potential fraud. Briefly (in less than 10 lines) describe one of these situations. What is the “separation of duties” (or “four-eyes” principle)?