

Study Process for my Bachelorthesis on “An Automatic Reproducibility Checking Pipeline for the Learning Analytics Academic Community”

You are given two randomly selected proceedings from the Learning Analytics & Knowledge Conference 2025, a Checklist (“Reproducibility Checklist.pdf”) and a Prototype (“reproducibilitychecker.exe”).

For each of the two proceedings fill out the Checklist:

- Write DOI at the top.
- Mark question as Met if the requirement is fulfilled.
- give a brief justification where in the paper the information is found (e.g, section, supplementary link, etc.)

After doing this for both proceedings, use the prototype to automatically evaluate the proceedings.

The prototype works as follows:

- Launch “reproducibilitychecker.exe” (Note: It might be flagged as an unrecognized app - click “More Info” -> “Run anyway”)
- Click “Select PDF File” and choose the proceeding
- Select the sections most likely to contain relevant information (Note: if everything is selected it might exceed the Token limit, e.g References should not be selected)
- Click “Load Checklist” and select the “checklist.json”
- Click “Change API Key” and copy-and-paste the API-Key found in “super-confidential-secret.txt”
- Click “Run Evaluation”

The automatically evaluated checklist can then be found in the preview window or in the directory: generatedjson/{doi}.json

Once you have evaluated both papers, please complete the small survey (Survey.pdf) and send me the filled checklists and survey to domenik.kern@stud.uni-hannover.de