



Abschlussvortrag Bachelorarbeit Joakim Vik Haukedal

„Validation of a Pre-Registered Study Protocol for the Analysis of Explanations of the Automated Prediction of Bug and Non-Bug Issues“

In this thesis, a validation of the pre-registered study "Studying the explanations for the automated prediction of bug and non-bug issues using LIME and SHAP" by Benjamin Ledel and Steffen Herbold was conducted. The validation was done by slightly shortening and then executing the study protocol while noting all errors encountered. The pre-registered study protocol was shortened for this thesis by only including 10% of the proposed materials, removing two hypotheses and reducing the number of people executing the study to one. Most of the parameters proposed in the pre-registered study were reused for this thesis. However, some variables which were not relevant have been omitted. In addition, a new Research Question was formulated and some new variables were introduced. The main focus of this thesis lies on the encountered errors, and how they affected the rating of the explanations. When identifiable the causes of the errors were additionally explored.

Betreuer der Arbeit: Prof. Dr. Steffen Herbold (Universität Passau), Prof. Dr. Rüdiger Ehlers

Datum: Montag, 06. Februar 2023, 13:00 Uhr

Ort: Online-Meeting über BBB

Link: <https://webconf.tu-clausthal.de/b/sim-uc9-rvy>