

# Auswertung einer Feldstudie im Bereich des Online-Lernens zur Evaluierung der Effekte von erklärbarer KI-basierter Feedback

## Motivation

The transition to digital learning platforms challenges the self-regulated learning skills of students. While this might exacerbate course dropouts among some students, the learning platforms are collecting valuable data traces. These have been recently leveraged to provide AI-based feedback to support students' online learning in a field experiment.

## Task

The task includes a statistical analysis to understand how feedback influences students' online activities. The student is required to conduct a matched-pair analysis comparing the behaviour of a control and treatment group.

## Expected results

A holistic picture of the benefit of cause-effect mechanisms of explainable AI-based feedback, obtained through inferential statistics.

## Title English

- Evaluation of a field study in the field of online learning to assess the effect of explainable AI-based feedback

**Level:** Master thesis

## Methodology

- Inferential statistics, field experiments

## Special prerequisites

- Expert skills in inferential statistics

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