

Declaration on the Use of Artificial Intelligence

For the preparation of this bachelor's thesis / master's thesis / paper / etc., I used tools based on Artificial Intelligence. These are listed in full in the following table, including the product name:

AI Tool Name	Model Name (if available)	URL	Use in the Examination Work
ChatGPT	GPT5	https://chat-gpt.com/	1) Critical review of research questions and procedure 2) Consistent formatting of BibTeX entries 3) Generation of suggestions for improving transitions between sentences in the text
Claude	Sonnet 4.5	https://claude.ai/	1) Generation of individual programming methods (marked in the code) 2) Debugging of program code
DeepL Write		https://www.deepl.com/de/write	Checking formulations in the text and generating suggestions for adjustments
Qwen	Qwen3-Max	https://chat.qwen.ai/	Creation of JavaDocs for existing classes and methods

I confirm that no further AI use has taken place (except for integrated aids that do not require disclosure under the chairs' guidelines). All larger AI-generated passages have been marked as such and carefully reviewed by me.

This declaration is to be understood as supplementary to the submitted Declaration of Academic Integrity.