**Guidelines for the Use of Artificial Intelligence**

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# What is generative AI?

"Generative AI refers to systems based on artificial intelligence (AI) that use statistical methods and training data to generate new, similar data. In other words, generative AI systems can imitate their training data. This can include, for example, texts, images, or even program code. Well-known examples are ChatGPT, a chatbot for text generation; Midjourney, which creates images based on text input; or Perplexity, a chat-based search engine with source references." (*University of Hohenheim, 2023*) (Universität Hohenheim, 2023)

# Am I allowed to use generative AI for my thesis?

To a certain extent, yes. However, you must take the following into account:

* **If you use generative AI systems in your examination work, you are required to submit a declaration detailing the use of the AI systems.** This should explain which system you used, how you used it, and for which step in your work. This is intended not only as information for the examiners but also as a tool for your own reflection. Please use the provided template for this declaration.
* **If you submit the AI declaration, you must also submit a statutory declaration/statement of independent work**, just as you would if you had not used AI.
* **Generative AI systems may produce factually incorrect information.** “This is partly because AI systems cannot truly think: they generate data that is very similar to their training data, but they are unable to assess whether the output is meaningful and/or factually correct. Nevertheless, it is possible to use these systems in a scientifically valid way if you adhere to the principles of good scientific practice – which includes not only strict honesty but also the imperative to consistently question and verify all results yourself.” (*University of Hohenheim, 2023*)

# I want to use generative AI for writing my thesis. Is this allowed?

No, you may only use AI for checking grammatical and spelling errors. Writing the thesis, even partially, with the help of AI is not permitted.

***May I use AI to generate programming code in languages such as R or Python?***  
Yes, this is permitted. However, you must complete the declaration form provided below. Additionally, you are required to verify the accuracy and plausibility of the code through appropriate checks.

***I want to learn more about AI. Where can I do that?***

Some modules in the new (and old) FPSO already include topics related to artificial intelligence and learning systems as part of the curriculum. Additionally, you can find two free online courses for student teachers and educators in the TUM DigiLLab Knowledge Hub, which you can access at any time.: <https://knowledgehub.edu.sot.tum.de/>

**Declaration of Use of generative AI Systems**

In preparing this work, I used the following artificial intelligence (AI)-based systems1:

|  |  |  |
| --- | --- | --- |
| **Working step/Category** | **Used AI Systems** | **Description of how the AI was used** |
| Generation of ideas and conceptualisation of the work |  |  |
| Literature search  (not allowed if exclusively done by AI) |  |  |
| Analysis of literature  (not allowed if exclusively done by AI) |  |  |
| Literature and citation management | Not allowed | Not allowed |
| Generation of ideas to select methods and models |  |  |
| Data collection | Not allowed | Not allowed |
| Data analysis | Not allowed | Not allowed |
| Generation of programming code |  |  |
| Creating visualisations |  |  |
| Generation of ideas for interpretation and validation of results |  |  |
| Improvement of thesis structure |  |  |
| Forfmulation/writing of thesis | Not allowed | Not allowed |
| Translation of thesis text | Not allowed | Not allowed |
| Revision of text (grammar and spelling correction) |  |  |
| Other |  |  |

1 If you are unsure whether you need to disclose the use of an AI system, please get in touch with your supervisor.

I declare that I

* have actively informed myself about the capabilities and limitations of the AI systems mentioned above,
* **have verified the factual accuracy of the content or code generated with the help of the above-mentioned AI systems and adopted by me and implemented code checks** (if applicable),
* **am aware that, as the author of this work, I bear full responsibility for all information and statements contained therein.**

**Name in block letters**

**Place, Date, Signature**