

# Info on Generative AI Use

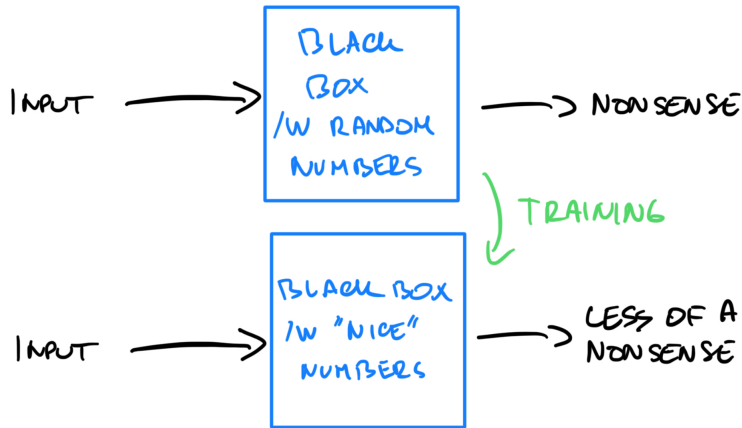
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**University of Tübingen**

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Pre-course



## How can machines (and LLMs) learn?



# Large Language Models - ChatGPT, Gemini, Claude, Llama,...

## Why are they models?

attempt to 'do language' like 'we would'

## Why language specifically?

trained on natural language, good for tasks such as modelling, translation, summarisation, classification,...

## What makes them large?

learned knowledge about language and the world from vast amounts of text

# Inherent limitations

## Bias

if its in the training data, it may appear in the output  
(toxic language, gender bias, race bias,...)

## Hallucinations

prone to make things up - text is coherent, but false

## Copyright/Privacy Issues

Where did its knowledge come from?  
Where did my knowledge come from?

## Issues you might encounter

- ▶ Doesn't actually follow the instructions or makes its own instructions to follow
- ▶ Gives you absolute bullshit<sup>1</sup> at times
- ▶ You are not as sneaky as you think you are
- ▶ And of course, **if you outsource the learning process to someone/something else, you don't learn**

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<sup>1</sup>Hicks, M.T., Humphries, J. & Slater, J. Correction: ChatGPT is bullshit. Ethics Inf Technol 26, 46 (2024). <https://doi.org/10.1007/s10676-024-09785-3>

# Stance of the University

## The university strictly limits the usage of AI

As of the 31th January 2023, the University of Tübingen prohibits the usage of AI in any way, shape or form in a scientific background. Continuing the usage of any AI will lead to failing the class/module or being expelled from the university

In easier words: You cant use Chatgpt not for your assignments, papers, presentations and obviously not in exams. Youll get kicked out if you do that.

# Recommendations

The University is aware that Generative AI is a useful tool

[https://uni-tuebingen.de/en/research/support/  
good-scientific-practice/guidelines-on-generative-ai/#c2039244](https://uni-tuebingen.de/en/research/support/good-scientific-practice/guidelines-on-generative-ai/#c2039244)



## What is it good for (non-university usage)

- ▶ Plugins to learn languages
- ▶ Using Plug Ins
- ▶ Searching for specific products
- ▶ Help with installing things to your machine
- ▶ Movie recommendations
- ▶ Mundane tasks where you can verify the results

**Think critically, like a (computational) linguist**

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**Don't be reliant**

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**Use with care and consideration**



ASK A QUESTION



OUR WEBSITE