Using AI Tools (e.g. ChatGPT)

AI tools such as ChatGPT have recently emerged as an extremely productive for their usability, (mostly) relevant answering and interactivity as chatbots over a wide range of areas.

Their usage is encouraged in this course as a time-saver and productivity-enhancer.

However if you are copying text or code from there, please make sure you:

1. acknowledge the source in your comments

2. thoroughly understand what the code is doing and how it works - if not, ask ChatGPT (or your trainers) to explain it and simplify as needed

3. use it more as a tool to enhance, fix or add particular features to your application, not for entire projects

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Use cases

- Code generation with detailed comments (do still need to understand the code and verify that the code works as intended)
- Question-answering (including follow-up questions to explain things more simply if needed)
- Summarising text
- Translate text from one language to another (including programming languages)
- Writing emails, cover letters, resumes
- Checking grammar and spelling
- Troubleshooting – advice on how to debug code and install software

Limitations of AI Bots

- The bots are far from sentient, they are trained on large datasets of text data from the internet
- Content generated may display some of the biases and stereotypes seen on the internet
- Unoriginal or repetitive content may be generated
- They may lack common sense information that is absent from the training dataset
- As of early 2023 they are relatively poor in solving advanced mathematics problems
- They may not be useful for information about recent events if the training set is not up-to-date

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