

Ethical Use of Artificial Intelligence

How to Use AI Responsibly and Consciously in Learning

Created by: Makszim Györgyné dr. Nagy Tímea PHD
associate professor, data protection officer

Why is it important to understand and use artificial intelligence (AI) ethically?

- ▶ The use of AI is part of digital competence;;
- ▶ It will become a labor market expectation in the near future;
- ▶ Every student should prepare;
- ▶ Its applicability is not always clear and may also carry dangers;
- ▶ It is also worth familiarizing yourself with the risks.

Prerequisite for institutional use of artificial intelligence

- ▶ Self-directed learning
- ▶ Autonomy
- ▶ Responsibility
- ▶ Ethical behavior and
- ▶ Norm-compliant behavior

How to approach the application of AI in learning and problem solving in an appropriate and ethical manner



Learn and respect the AI rules
(general+specific)



In relation to each field of study and
subject, let's think about what our goal is
and what we would like to improve in.



Find the right AI tool for the given goals
and problems

In accordance with our learning goals, taking into account subject and institutional rules, we consciously use artificial intelligence as a learning support tool!

Each Teacher has the opportunity to set expectations regarding the use of AI that differ from the general institutional rules.

What if the teacher doesn't say anything about AI?

- ▶ If the teacher doesn't say anything about AI, we use the general university rules.
- ▶ Where can we find the general university rules?
 - ▶ In the Artificial Intelligence Regulations of the University of Nyíregyháza
 - ▶ In the Code of Ethics of the University of Nyíregyháza
 - ▶ In the study and examination regulations

Useful tips for using AI

- ▶ Get informed, look for the most suitable tool for the given task or problem (targeted applications, many have free versions). ChatGPT is not the only one!
- ▶ Learn to use AI-based text editors, chatbots, and general AI tools effectively. Practice, improve! Often, several interactions are needed to reach an acceptable answer, which requires practice. (For more, see: <https://hbsp.harvard.edu/inspiring-minds/are-your-students-ready-for-ai>)
- ▶ Develop various skills and abilities while using AI, such as writing, coding, communication, and critical thinking.
- ▶ Perhaps one of the most useful skills that AI can help develop is the habit of checking.
- ▶ Always treat the results with skepticism. Check the content generated by AI, including essential information, writing style, and grammatical correctness.
- ▶ Review the texts generated by AI before using them.

Use as a source

- ▶ If you use AI as a source, don't copy the content it generates verbatim!
- ▶ Use it as inspiration, as a guide, and indicate this just as you would with any other source.
- ▶ Be transparent! If you use AI results in a work, make it clear which model you used, how, and to what extent.

Using AI as a resource

Principle: documented, retrievable

Required to indicate:

- ▶ The name, version, availability of the AI tool
- ▶ The date of generation
- ▶ The prompt and its purpose
- ▶ The exact location of the generated content.

Different amounts of AI use are allowed in different fields of science!

AI data protection I.

- ▶ When using AI, if possible, **do not use personal, particularly sensitive** (health, race, religion, etc.) **data** - neither your own nor that of others!
- ▶ **Do not provide confidential information.**
- ▶ Although users do not see our questions, the model operator does. Our questions may contain personal information, which is therefore available to the developer and (although with a small chance), but in principle can be stolen.
- ▶ Always check the privacy policy of the given AI application.
- ▶ Be especially careful when using publicly available AI models:
 - ▶ check the developer's background,
 - ▶ look for opinions about the tool,
 - ▶ check the published privacy policy.

AI data protection II.

- ▶ It is currently unclear what data each chatbot was trained on. The question arises whether data was used without permission.
- ▶ The AI collects the questions and comments entered during use - and uses or may use them freely.
- ▶ Individual developers use a variety of so-called fine-tuning techniques, about which little is known (especially about their content).
- ▶ The data used to train the AI may be one-sided and contain bias.
- ▶ The long-term effects of the use of AI and language models are unknown.

Responsible AI use

- ▶ The use of artificial intelligence does not replace critical thinking, problem solving, analysis.
- ▶ The conscious and responsible use of artificial intelligence in the teaching-learning process is inevitable.
- ▶ We use it only as a supporting tool. We do not let it think for us, make decisions for us.
- ▶ It is the responsibility of the students to use the answers they receive in their work.

Use of AI tools is not permitted.

- ▶ It is not allowed to create any part of a work (e.g. homework, project work, thesis, presentation) using a generative artificial intelligence tool, if you present it as your own work.
- ▶ It is not allowed to transform another author's work using AI and present the resulting work as your own work.
- ▶ Do not submit material (homework, essay, your own material in group work, etc.) without indicating which AI tool was used, where and how - if we used it).
- ▶ Remember, AI cannot be an author or co-author.
- ▶ Most importantly: always remember to check the specific expectations of the given subject - because if you follow them, there should be no problem.

Opt-out choice

- ▶ **Opt-out choice (if AI allows it):** It allows AI developers to avoid using the prompts we provide to train the system.

Permitted uses of AI applications

- ▶ Post-editing part or all of your own work to improve spelling, language, and readability, as long as this action is directed at the original material created by the author and does not create a completely new work in content.
- ▶ If the user/author uses the content produced by the generative artificial intelligence system in their work, processed or transformed, or borrows ideas from it, and makes a written statement about this. The statement includes the fact of use, its purpose, the name of the system or service used, and its version number.

The background features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the right side of the slide, creating a modern, dynamic feel.

Thank you for your respectful attention!

makszim.gyorgyne@nye.hu