

Prompts used for drafting phase

Method 1

1. You are a university student who must write an essay. The essay must include an introduction, a discussion section, and a conclusion. In the main body, I want to write about the ethical use of artificial intelligence in different stages of the writing process. It would also be good to include the limitations and possibilities of artificial intelligence. Add some ethical considerations as well. Please give me a suggested structure so that the text fits on three pages.
2. Combine points 2 and 4 in the discussion section. Summarize the contents of the introduction in 0.5 pages.
3. I edited your proposal, and here is our version. Can you suggest a title and a topic sentence for each section?

Introduction (approx. 0.5 pages)

- Introduction to the topic: A brief introduction to artificial intelligence and its use at the university.
- Objectives: What does the essay aim to clarify? For example, ethical issues surrounding artificial intelligence in the writing process.
- Structure: Brief description of the structure of the essay. (1 sentence)

Discussion section (approx. 2 pages)

- The use of artificial intelligence in different stages of the writing process
 - Current technical limitations of artificial intelligence.
 - Brainstorming and drafting: How artificial intelligence can help generate ideas and drafts.
 - Searching for sources and referencing: AI assistance in finding sources and managing references.
 - Writing and editing: The role of artificial intelligence in text production and editing.
 - Finalizing the text
- Ethical issues and considerations
 - Doing it yourself versus cheating: How to ensure that AI-generated content is original and ethically sustainable.
 - Data protection and privacy: Data protection and privacy issues related to the use of artificial intelligence.
 - Responsibility and transparency: Who is responsible for content generated by artificial intelligence and how to ensure transparency.

- Benefits and drawbacks: Ethical benefits and drawbacks of using artificial intelligence in writing and learning

Conclusion (approx. 0.5 pages)

- Review of key points: Summary of the most important points in the discussion section.
- Conclusions and reflection: What conclusions can be drawn about the ethical use of artificial intelligence in the writing process? The potential of artificial intelligence to improve the writing process and bring new innovations.

Method 2

1. You are a university student and you have to write a 3-page essay. The topic of the essay is artificial intelligence in the writing process. Based on my notes, make a structural proposal for the essay.
 - Ethics
 - the different stages of the writing process
 - university context
 - technical limitations
 - authorship issues - whose text is it?
 - social significance
 - artificial intelligence versus learning
 - challenges and opportunities
 - learning support
2. Summarize the structure of the essay, which includes an introduction, a main section (max. 2 subheadings), and a conclusion. Combine themes as appropriate.

Method 3

1. You are a university student. You need to write a 3-page essay on the topic of artificial intelligence as a writing aid. Here is a draft of the essay. Check the structure of the draft: could some paragraphs be combined or divided into separate paragraphs? Should some of them be in a different order? [Note: Our own draft is included at the end of this document.]
2. Submit a new proposal by organizing my text into paragraphs and adding headings to each paragraph. Write a topic sentence for each paragraph if one does not already exist.
3. Ethical issues and technical limitations play a greater role in our essay. Could you summarize the steps and expand on the ethical considerations? Consider the perspective of academic study and learning support/disadvantages.

Method 4 (DID NOT WORK)

1. Here is another structural plan. Could the contents of my original draft be arranged according to this plan? [Previously created structural plan attached]

Our own essay plan from method 3 (before AI processing)

Essay: Artificial intelligence as a support for the academic writing process (draft)

Artificial intelligence has become so widespread in recent years that it is now used in almost everything—including writing. AI is not just a tool; in many ways, it can be a partner that helps writers with brainstorming, drafting, and even finalizing their texts. But is the use of artificial intelligence in the writing process only a good thing? Or can it also take something essential away from creativity? This question is important when considering how artificial intelligence should be used and at what stages it can be utilized.

Artificial intelligence helps with writing by providing ideas. For example, during the drafting stage, artificial intelligence can offer different perspectives and suggest questions that the writer could address. Artificial intelligence can be particularly helpful when the writer is experiencing writer's block – a situation where they cannot think of anything to start with. (Buriak et al. 2023.)

What stages of the writing process could AI be particularly useful in? Perhaps the first thing to consider is the brainstorming stage, the drafting stage, and proofreading.

On the other hand, ideas generated by artificial intelligence are not necessarily unique or profound, as they are based on existing data and formulas programmed into the model. Could this lead to writers no longer learning to think for themselves, but instead relying too much on the information and structures produced by artificial intelligence? (This could perhaps be discussed later in the analysis?)

During the drafting stage, AI can help when the writer is preparing the first version of the text. For example, applications such as ChatGPT can help create text structure or quickly produce short text fragments that can serve as a basis for further work (e.g., Buriak et al. 2023). Artificial intelligence can also be used to ask for help when you don't know how to express an idea clearly. In this sense, artificial intelligence can be like a word processor add-on that makes drafting faster.

But what about editing? During the editing phase, AI can also provide ideas for improving language and suggest corrections (e.g., Fitria 2021). Tools such as ChatGPT can identify unclear sentence structures and suggest alternatives that can make the text clearer. However, it is important to note that AI cannot always understand the writer's personal style or intent.

Question: Should this section be expanded? Should concrete examples be provided?

Another benefit offered by AI is related to proofreading and language checking. For example, AI can help writers find the correct grammatical structures and identify minor

spelling mistakes that the writer may not notice themselves. This can be particularly useful in busy situations or when your language skills are not yet fully developed. But can over-reliance on AI weaken your ability to learn grammar?

Requesting feedback from artificial intelligence (Dai et al. 2023)

Writing is thinking and learning -> if you skip over the pain of creation, you won't learn anything + critical thinking disappears when you aim for a good grade (in a university context) instead of trying to understand the subject (Sullivan et al. 2023)

The use of artificial intelligence also raises ethical questions. If AI is used excessively, is the text still the author's own work, or is it partly a product of AI? This can be particularly relevant in academic writing, where the author's originality and critical thinking are important. On the other hand, if AI is only used to search for ideas or clarify structure, it can be considered merely a tool, not a writer.

This section on ethical issues is important, but should it be moved to the end, to the conclusions?

Cheating is unethical, and there is concern about cheating because it is not as easy to identify as plagiarism (Sullivan et al. 2023).

Many media sources say that ChatGPT should not be used (negative discourse) (Sullivan et al. 2023) -> is this really the most sensible idea?

In conclusion, it could be said that artificial intelligence can be a useful tool in the writing process, but it must be used critically. Writers must understand that artificial intelligence cannot replace their own thinking or their ability to analyze and interpret things.

The essay could conclude with a discussion of how artificial intelligence will be used in writing in the future and how it should be developed to support the writer's own development.

Many universities prohibit or restrict the use of artificial intelligence (Sullivan et al. 2023).

On the other hand, there is talk that artificial intelligence should be integrated into teaching and that it should be instructed as part of assignments (Sullivan et al. 2023).

Prohibition is pointless + artificial intelligence is a future skill, which is why it should be taught (Sullivan et al. 2023)

Some mention that it may reduce anxiety (Sullivan et al. 2023).