

# Planning the structure and creating the first draft

## METHOD 1: Getting started with AI alone

### **Artificial intelligence output:**

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 sketching: How artificial intelligence can help generate ideas and create preliminary sketches.
  - 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

Summary (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.

## **A product refined by ourselves and artificial intelligence:**

Introduction (approx. 0.5 pages)

Title: The role of artificial intelligence in academic writing

Idea: Artificial intelligence is playing an increasingly significant role in academia, particularly in the various stages of the writing process, raising important ethical questions.

Discussion section (approx. 2 pages)

- Title: The use of artificial intelligence in different stages of the writing process. Idea: Artificial intelligence can support the writing process in many ways, but its use also involves technical limitations and ethical challenges.
  - Paragraph title: Current technical limitations of artificial intelligence
    - Idea: Although artificial intelligence has developed considerably, its ability to understand and produce text is still limited.
  - Paragraph title: Brainstorming and sketching
    - Idea sentence: Artificial intelligence can help generate ideas and create preliminary drafts, which speeds up the writing process.
  - Paragraph title: Searching for sources and referencing
    - Idea: Artificial intelligence can improve the efficiency of source discovery and reference management, but its use raises questions of accuracy and reliability.
  - Paragraph title: Writing and editing
    - Idea: Artificial intelligence can support text production and editing, but the content it produces often requires human review.
  - Paragraph title: Finalizing the text
    - Idea: Artificial intelligence can help with finalizing texts, such as checking grammar and standardizing style.
- Title: Ethical issues and considerations. Idea: The use of artificial intelligence in the writing process raises many ethical questions that are important to consider.
  - Paragraph title: Doing it yourself versus cheating
    - It is important to ensure that content produced by AI is original and ethically sustainable. Many universities prohibit or restrict the use of AI, even though many media sources say that AI should be integrated into teaching and instructed as part of assignments (Sullivan et al. 2023). This is because AI is a skill of the future (Sullivan et al. 2023). It is therefore important to teach how AI can be used to support learning, not to cheat.
  - Paragraph title: Data protection and privacy
    - Idea: The use of artificial intelligence raises significant data protection and privacy issues that must be taken into account.
  - Paragraph title: Responsibility and transparency

- Key idea: It is important to determine who is responsible for content produced by artificial intelligence and how to ensure transparency.
- Paragraph title: Advantages and disadvantages
  - Thesis statement: The use of artificial intelligence in the writing process has both ethical benefits and drawbacks that affect learning and writing.

Summary (approx. 0.5 pages)

- Title: Summary and conclusions
- Key sentence: The ethical use of artificial intelligence in the writing process offers both opportunities and challenges, and its potential to improve the writing process is significant.

## METHOD 2: Start with an AI-focused approach using your own notes

### Introduction

- Introduce the topic and its significance.
- A brief overview of the structure of the essay.

### Content section

- **The role of artificial intelligence in the writing process and in a university context**
  - The different stages of the writing process: brainstorming, drafting, researching sources, editing, and finalizing.
  - Using artificial intelligence to help students, examples of tools.
  - Technical limitations.
- **Ethics, authorship issues, and social significance**
  - Ethical issues and potential misconduct: presenting AI-generated text as your own, avoiding learning, failing to report, lack of independent thinking, using AI for information retrieval without verification.
  - Copyright, data protection, and responsibility: whose text is it? How is information kept secure?
  - The impact of artificial intelligence on expertise, society, and working life: opportunities and threats.

### End

- Summarize the main points.
- Reflections on the future of artificial intelligence in the writing process.

## METHOD 3: Self-written draft and further processing with artificial intelligence

The draft we made ourselves and gave to ai:

Essay: AI as Support in the Academic Writing Process (draft)

AI has become so common in recent years that it's now used in almost everything – including writing. AI isn't just a tool, it can in many ways be like a writing partner that helps with brainstorming, drafting, and even finalizing a text. But is using AI in the writing process only a good thing? Or can it also take something essential away from creativity? This question is important when thinking about how AI should be used and in which stages it can be helpful.

AI helps with writing by giving ideas. For example, in the drafting phase, AI can offer different perspectives and suggest questions the writer could explore. AI can be especially helpful when the writer has so-called blank page syndrome – a situation where you don't know how to start. (Buriak et al., 2023)

What stages of the writing process are ones where AI could be especially useful? Maybe first think about brainstorming, drafting, and proofreading?

On the other hand, the ideas AI produces might not be unique or deep, because they're based on existing data and patterns programmed into the model. Could this mean that the writer stops thinking for themselves and starts relying too much on AI's knowledge and structure? (Maybe this goes later in the analysis section?)

In the drafting phase, AI can help when the writer is creating the first version of the text. For example, apps like ChatGPT can help build a structure or quickly generate short text snippets that can be used as a base for further development (e.g., Buriak et al., 2023). You can also ask AI for help when you don't know how to express an idea clearly. In this sense, AI can be like an add-on to a word processor that makes drafting faster.

But what about editing? In the editing phase, AI can also give ideas for improving language and suggest corrections (e.g., Fitria, 2021). Tools like ChatGPT can identify unclear sentence structures and suggest alternatives that might make the text clearer. But it's important to note that AI doesn't always understand the writer's personal style or intent.

Question: should this section be expanded? Should there be concrete examples?

Another benefit AI offers is in proofreading and language checking. For example, AI can help the writer find correct grammar structures and spot small typos that the writer might miss. This can be useful especially in busy situations or when the writer's language skills are still developing. But can relying too much on AI weaken your own ability to learn grammar?

Asking for feedback from AI (Dai et al., 2023)

Writing is thinking and learning → if you skip the struggle of creating, you don't learn + critical thinking disappears when the goal is just a good grade (in university context) instead of trying to understand the topic (Sullivan et al., 2023)

Using AI also raises ethical questions. If AI is used too much, is the text still the writer's own work, or partly AI's product? This can be especially important in academic writing, where originality and critical thinking are key. On the other hand, if AI is only used for idea generation or clarifying structure, it can be seen as just a tool, not the author.

This ethics section is important, but should it be moved to the end, into the conclusions?

Cheating is not ethical, and there's concern about it because it's harder to detect than plagiarism (Sullivan et al., 2023)

Many media sources say ChatGPT shouldn't be used (negative discourse) (Sullivan et al., 2023) → is this really the most reasonable view?

In the conclusion, it could be said that AI can be a helpful tool in the writing process, but its use must be critical. The writer needs to understand that AI can't replace their own thinking or ability to analyze and interpret.

The essay could end with a reflection on how AI will be used in writing in the future and how it should be developed to support the writer's own growth.

In many universities, AI use is banned/restricted (Sullivan et al., 2023)

On the other hand, there's talk that AI should be integrated into teaching and guided as part of assignments (Sullivan et al., 2023)

Banning is pointless + AI is a future skill, so it should be taught (Sullivan et al., 2023)

Some mentions that it can reduce anxiety (Sullivan et al., 2023)

The draft that was edited with the help of AI

Artificial intelligence as a support for the academic writing process

## Introduction

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

## Artificial intelligence in searching for and reading sources

TEXT HERE

## Technical limitations of artificial intelligence

1. **language patterns and hallucination**
2. **artificial intelligence in information retrieval**

## The role of artificial intelligence in the writing process

**Artificial intelligence can support writers at different stages, such as brainstorming, drafting, and proofreading.** During the brainstorming phase, artificial intelligence can offer different perspectives and suggest questions that the writer could address. During the drafting stage, AI can help create a text structure or quickly produce short text fragments that can serve as a basis for further work (e.g., Buriak et al. 2023). During proofreading, AI can help find the correct grammatical structures and identify minor spelling mistakes.

## Ethical issues

**The use of artificial intelligence raises significant ethical questions that affect academic study and learning.** If AI is used excessively, is the text still the author's own work, or is it partly a product of AI? This is particularly relevant in academic writing, where the author's originality and critical thinking are important. AI can lead to superficial work, where the only goal is to get good grades without a deep understanding of the subject (Sullivan et al. 2023).

## Support and disadvantages of academic study and learning

**Artificial intelligence can both support and hinder academic study and learning.** On the one hand, artificial intelligence can help students overcome writing barriers, such as writer's block, and provide support in checking language. On the other hand, if students rely too heavily on AI, they may lose the opportunity to develop their own writing and thinking skills. Excessive use of AI can weaken a student's ability to learn and develop their own thinking skills, which are essential prerequisites and goals of university study (Sullivan et al. 2023). **CHECK AGAIN THAT THE ARTIFICIAL INTELLIGENCE IS REFERENCING SOURCES CORRECTLY**

## Conclusions

**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 ability to analyze and interpret things. In the future, artificial intelligence should be developed in such a way that it supports the writer's own development and learning, rather than replacing it. In an academic context, it is important to find a balance between the use of artificial intelligence and independent thinking so that students can develop into independent and critical thinkers.

## METHOD 4: Combination of previous methods

*In this method we first gave AI our draft as well as the outline planned by AI and asked it to arrange the contents of our draft to match the previously suggested outline. This resulted in a very poor draft that took us a long time to work over. We finally got this version.*

### Introduction

#### The role of artificial intelligence in academic writing

Artificial intelligence is playing an increasingly important role in academia, particularly in the writing process. This also raises important ethical questions. Artificial intelligence is a tool, but when used correctly, it can also be a partner that helps writers with brainstorming, drafting, and finalizing their texts. But is the use of artificial intelligence in the writing process only a good thing? Or can it also take away something essential from creativity? This question is important when considering how artificial intelligence should be used and at what stages it can be utilized.

### The use of artificial intelligence in different stages of the writing process

#### Current technical limitations of artificial intelligence

**Artificial intelligence can support the writing process in many ways, but its use also has technical limitations.** In order to use artificial intelligence sensibly, it is necessary to understand its current limitations and operating logic. (ARTIFICIAL INTELLIGENCE = LANGUAGE MODELS IN THIS CONTEXT) **Although artificial intelligence has developed considerably, its ability to understand and produce text is still limited.** On the other hand, the ideas generated by artificial intelligence are not necessarily unique or profound, as they are based on existing data and patterns that have been programmed into the model.

#### Brainstorming and sketching

Artificial intelligence can help generate ideas and create preliminary drafts, which speeds up the writing process. 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).

#### Searching for sources and referencing

**Artificial intelligence can improve the efficiency of finding sources and managing references, but its use raises questions of accuracy and reliability.** Artificial intelligence can help with writing by providing ideas. For example, during the drafting stage, AI 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).

### **Writing and editing**

**Artificial intelligence can support text production and editing, but the content it produces often requires human review.** During the drafting stage, artificial intelligence 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). You can also ask AI for help when you don't know how to express an idea clearly. In this sense, AI can be like a word processor add-on that makes drafting faster.

### **Finalizing the text**

**Artificial intelligence can help with finalizing text, such as checking grammar and standardizing style.** 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.

## **Ethical issues and considerations**

### **Doing it yourself versus cheating**

**The use of artificial intelligence in the writing process raises many ethical questions that are important to consider. First, it is important to ensure that the content produced by artificial intelligence is original and ethically sustainable.** Many universities prohibit or restrict the use of AI, even though many media sources say that AI should be integrated into teaching and instructed as part of assignments (Sullivan et al. 2023). This is because AI is a skill of the future (Sullivan et al. 2023). It is therefore important to teach how AI can be used to support learning, not to cheat.

### **Data protection and privacy + copyright**

**The use of artificial intelligence raises significant data protection and privacy issues that must be taken into account.** You cannot post material produced by other people if it is stored by artificial intelligence. Protect your own privacy and that of others.

### **Responsibility and transparency = reporting**

**It is important to determine who is responsible for content produced by AI and how to ensure transparency.** The use of AI 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 an author. AI cannot be the author of a text because it does not have the ability to take responsibility.

### **Benefits and drawbacks in terms of learning**

1. **The use of artificial intelligence in the writing process has both ethical benefits and drawbacks that affect learning and writing.** What helps learning and promotes equality? What hinders learning? Cheating is unethical, and there is concern about cheating because it is not as easy to identify as plagiarism (Sullivan et al. 2023).
2. 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)
1. Many media sources say that ChatGPT should not be used (negative discourse) (Sullivan et al. 2023) -> is this really the most sensible idea?

### **Summary and conclusions**

**The ethical use of artificial intelligence in the writing process offers both opportunities and challenges, and its potential to improve the writing process is significant.** 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 ability to analyze and interpret things. The essay could conclude with a reflection on how artificial intelligence will be used in writing in the future and how it should be developed to support the writer's own development.