Generative AI and GPT

Generative AI (GAI) is a type of artificial intelligence that can create new content or data based on existing examples. A GAI can write text, create images, compose music or generate code by learning from large amounts of previous data.

GPT stands for Generative Pre-trained Transformer and is an advanced language model that analyzes large amounts of information and uses it to write unique coherent texts. GPT is a model that has learned to predict which word comes after another word in a sentence and is thus not a search function. Generative text models like GPT are today built into a variety of tools and services. One of the most well-known generative AI tools is ChatGPT, which is a text-based chatbot that can answer questions, have conversations and write different types of texts. ChatGPT has been trained on millions of texts from the internet and can therefore generate new texts that sound natural and meaningful.

Today, some GAI tools are connected to the internet while others are not. This means that some have access to new information while others only contain the information corresponding to the data the model has been trained on. Be aware of this as it will be able to affect the answers that are generated.

Learning process and examination

The process itself, as you work your way to and formulate answers, is a central part of learning. Practicing such skills is in many ways as important as the answer itself.

Always talk to your teachers and classmates about the learning objectives of the courses and how AI-based tools fit into your processes and exams. Examination in higher education is a control function. Your examiner has a legal obligation to be able to determine that you know what is expected on the course. You can think of your examiner as someone who will guarantee, in front of a future employer, that you have the competence corresponding to what your grades show.

The exam is also a support for you as a student as you can get the opportunity to see what you have learned and what you have not yet understood.

Sometimes GPT writes texts that are not correct or relevant. AI does not lie intentionally but the pattern of inserting inaccuracies is difficult to predict. As a student, you are always responsible for what you submit for examination, regardless of what tools you have used. It is therefore important to, for example, check that AI-generated text matches reality and that you can stand for what it expresses. You need to develop your own understanding and knowledge in the subject you are studying. AI can automate and relieve you, but your learning process must be your own.

NOTE! Before using GAI for study assignments that are to be submitted, be sure to find out which ways are considered OK in the course you are reading. It can vary from course to course and from exam to exam. You may also need to indicate in

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what ways you have used AI. Good to think about To use many GAI services, such as ChatGPT, you need to create an account yourself because you do not get one through the university. For ChatGPT you need an account with OpenAI. Many times it is the case that what is written in these services will be saved and you have no possibility to get anything deleted. Therefore, do not enter sensitive information about yourself or others. At present, the version ChatGPT 3.5 is free but as this is a commercial tool there are no guarantees that ChatGPT will continue to be freely available.

Some tips on how you can use GAI GAI can be used in several different ways in your studies and here in the table you can find several examples. There are many other GAI tools today besides ChatGPT and that can better give you insight into where the information in the answers comes from. One such tool is, for example, Perplexity. Elicit can help you find and process information in an article and Grammarly gives you linguistic feedback on your text.

Quick guide to ChatGPT and other generative AI

Important considerations

To use many Generative AI services, such as ChatGPT, you need to create an account yourself since you won't have access through the university. For ChatGPT, you'll need an account with OpenAI. Often, what is entered into these services may be stored, and you may have no option to have it deleted. Therefore, avoid entering sensitive information about yourself or others. Currently, version ChatGPT 3.5 is free, but as this is a commercial tool, there are no guarantees that ChatGPT will continue to be freely accessible in the future.

Some tips on how to use GAI

GAI can be used in several ways in your studies, and in this table, you can find several examples. There are many other GAI tools available today beyond ChatGPT that can provide better insight into the source of information in the responses. One such tool is, for instance, Perplexity. Elicit can assist you in finding and processing information in an article, and Grammarly provides linguistic feedback on your text.

Please note that the boundaries between permissible and impermissible use are not always easy to discern. Be mindful if you notice that you are letting AI do the work so that your learning is not compromised.

Kategori	Beskrivning	Exempel
Sounding board	AI generates alternative ways to express an idea.	Write questions in GAI and use the "Regenerate response" function to view and compare alternative answers.

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Opponent	AI acts as an opponent to develop an argument.	Use GAI to prepare for discussions. Ask for counterarguments or request different perspectives on a question.
Guide at the side	AI functions as a guide.	Ask GAI for advice on how to learn a specific concept. GAI can for instance be used to support language acquisition
Personal coach	AI coaches and provides immediate feedback on progress.	Ask GAI for personalized feedback based on information you provide (e.g., test results).
Troubleshooter	AI assists during a learning process.	Ask GAI for correction assistance for language accuracy, programming code, etc.
Explorer	AI provides tools to explore and pose questions to text and data.	Provide basic information, such as a text, and write various questions in GAI to learn more about the content.
Study companion	AI helps to reflect on learning materials..	Explain your current level of understanding of GAI and inquire about ways to assist in studying specific material. GAI can also be used, for example, to create study schedules with readings, lectures, and other study activities or help prepare for a job interview.
Evaluator	AI describes the level of knowledge and assesses it.	By interacting with GAI in a tutorial-like dialogue, you can ask GAI to produce a summary of your current level of knowledge.

Some tips for writing better prompts:

By following these tips, you can improve your results when using GAI and get better answers to your questions.

Avoid slang and abbreviations: GAI understands most common words and phrases, but it may struggle with slang or abbreviations.

Be clear and specific: The clearer you are in your question, the more likely you are to get a relevant answer. Provide the chatbot with the information it should base its response on. You can ask the chatbot to assume a specific role, such as a famous person or a type of expert.

Specify the desired format: If you want answers in a specific format, such as a bullet list, a table, a summary, or a longer description, specify this in your prompt to get the desired result. You can also specify if you need help with a specific type of text.

Be patient: Sometimes it may take a little time to generate a response. Be patient and wait a while for it to generate the best answer.

Try different phrasings: If you don't get the answer you're looking for, try phrasing your question differently. Sometimes a different phrasing can yield better results.

Provide constructive feedback: To improve the answers, you can describe what is missing or what needs improvement for the AI to better understand your preferences.

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