

Tehisintellekt õppejõu igapäevatöös

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(käesoleva esitluse koostamisel on kasutatud ChatGPT 3.5 abi näidete kirjutamisel)

Mis on tehisintellekt (TI)?

Nn suur keelemudel (Large Language Model)

Treenitud suurema hulga tekstide peal; on võimeline
looma nende alusel uusi tekste

Tööpõhimõte: autoregressioon

Autoregressioon

Küsimus (input) - sõna - sõna - ... - vastus (output)

Sõnade valik sõltub:

küsimusest

eelnenud sõnadest

vastusele antud parameetritest

Seega

TI ei ole:

otsingumootor

andmebaas

autoriteet

keegi, kes meie eest mõtlemise

töö ära teeb

TI on:

abivahend (näiteks tekstide
toimetamisel, ülesannete loomisel)

nn “praktikant” (näiteks rutiinsete
tegevuste jaoks)

tuutor ja/või “thinking partner”

keegi, kes meid töös toetab

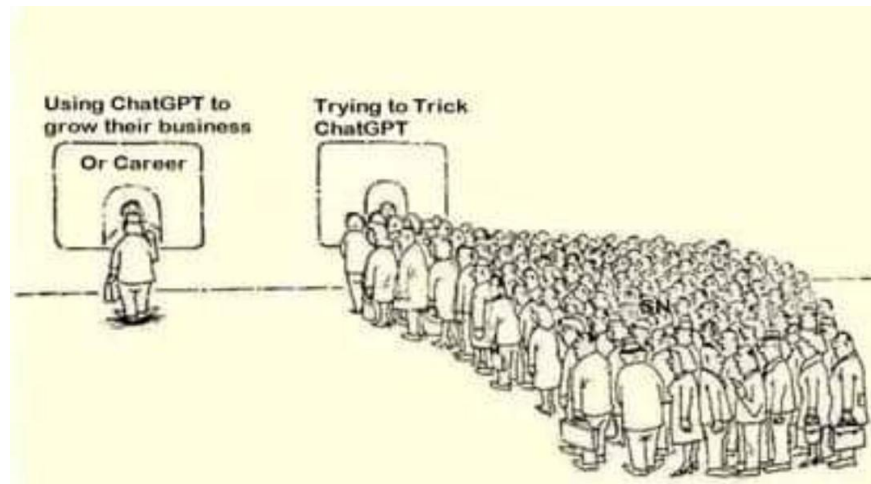
Mida näeme sellel pildil?

Kõige tähtsam küsimus:

MIKS?

Kas ainult küsimusteks, nagu “Millal maksan memme vaeva?” või “How to make a baby, explain it in a funny way?”

Või millekski mõistlikumaks?



Daniel Klivansky

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[https://www.yellowlab.ai/subscribe?utm_source=Dejan](https://www.yellowlab.ai/subscribe?utm_source=Dejan&fbclid=IwAR2pJ7jG_NRiwanDua...) See more

Kuidas kirjutada prompti?

THE DESIGN PROCESS

1. PROVIDE CONTEXT

- Act as..
- You are..



2. DEFINE THE TASK

- Be specific & clear
- Use action words
- Provide the goal



3. INSTRUCTION

- Include the length or amount
- Target audience: Which language? Age group? Language level?



4. CLARIFY & REFINE

- Provide feedback with additional details
- Include keywords: more engaging, creative, interesting
- Provide further directions such as rephrase, rewrite, expand, delete, include, repeat, change, add



PROMPT FRAMEWORK for EDUCATORS: The FIVE "S" Model

AI for Education

S ET THE SCENE



Provide the AI Chatbot context on what role, expertise and/or environment it should use to guide its output.

Ex: "You are an expert STEM instructional designer and teacher..."

S BE SPECIFIC



Be specific in the instructions. Clearly define the task and provide details on what you would like included.

Ex: "Use the 5E model to create a 60-minute hands-on lesson..."

S IMPLIFY YOUR LANGUAGE



Use a conversational approach with simplified language that avoids unnecessary jargon.

Ex: "Create an engaging lesson plan that aligns with CCSS..."

S TRUCTURE THE OUTPUT



Tell the Chatbot how to structure the output with specifics on format, audience and/or sections.

Ex: "Create a rubric for my students formatted as a table with directions..."

S HARE FEEDBACK



Provide feedback at all points in the conversation. Share specifics on what needs to be revised to meet your needs.

Ex: "Change the format from a table to a checklist..."

Prompti kirjutamise (umbes) 5 või rohkem sammu

1. Loo kontekst (Ma olen/õpetan/ ... Sa oled/...)
2. Ütle täpselt, mida on vaja teha (Kirjuta seminari kava, mis sisaldab ...)
3. Võimalusel anna lisainfot (Kasuta seda lõiku näidisenä:...)
4. Vaata tulemus üle, vali need osad, mis sobivad, või millega tahaksid edasi töötada.
5. Paranda/laienda/küsi lisa valitud osade kohta
6. Korda

Võlusõnad

Do you understand the task?

Are you sure?

Extend

Elaborate

Generate / Rewrite / Iterate / Improve / Add

Think through this step by step

NB: Ära jää esimese prompti juures peatuma

NB NB: Võta esimest vastust kui esmast sisendit, millega edasi töötad

Võimalik prompt:

I teach German philology BA 2nd year students at the university. They are about 19-25 years old. I am preparing a new course for them, entitled "Weimar Classics". The seminar is held once a week. A total of 14 weeks. In particular, I would like to discuss Goethe's and Schiller's texts from the Weimar period. At the first meeting, I would like to give an overview of the historical context. Add a teaching hook to engage students. Please prepare a seminar schedule. Add literature recommendations. Add recommendations for students' independent work. Add suggestions for extracurricular activities. Add a list of key vocabulary.. Add suggestions on how to evaluate student performance during the seminar.

Võimalik prompt

You are an expert writer, experienced in writing reference letters. Your task is to write a reference letter for my 2nd year BA student of German Studies, who is applying to DAAD Summer School in Bonn (topic: Deutsche Sprache und Wirtschaft in der Zeit des Umbruchs). Use specific, positive, descriptive words and be sure to highlight my student's outstanding academic achievement, exceptional personal qualities, and dedication to the field of German Studies through her own research project on Leichte Sprache. Also note her extracurricular activity involvement in TLU student government. Do not make the reference letter more than one page and do not report specific grades. You can link the topic of the summer school and her research interests.

Võimalik prompt

I am currently working on an article and would like to have feedback on my writing. I will be posting excerpts from my article. Please correct any grammar, spelling, and stylistic errors to ensure that my writing adheres to academic standards. Please use academic style, but keep the tone of my original writing. Therefore, before you give me feedback analyze the style of my original text.

Do you understand the task?

Harjutus

Kirjuta prompt, millest sul võiks lähiajal reaalselt kasu olla (tundide planeerimine, hindamiskriteeriumide kirjutamine, teema otsing, kirjutamisabi vms).

Sealjuures: vaata üle esimene tulemus, ning laienda/täienda/täpsusta.

Vigu, mida TI kasutamisel tehakse

1. Not trying it out :)
2. Using like a search engine
3. **Stopping after one prompt**
4. Not checking for hallucination and bias
5. Lack of persistence in learning how to work with different tools
6. Not using Gen AI as a thinking partner

(<https://www.aiforeducation.io/top-mistakes-educators-make-when-using-ai-webinar>)

Rakendusi

ChatGPT 3.5 ja 4 - promptimiseks, ideekorjeks, toimetamiseks

ChatPDF (2 faili päevas tasuta) - kokkuvõteteks

Perplexity (4 faili päevas tasuta) - kokkuvõteteks, mingil määral analüüsiks

Eduaide (tunnikavad)

Magic School (tunnikavad ja ülesanded)

Wisdolia (õppekaardid)

Quizizz (testide koostamine, nt valikvastustega test teksti või video põhjal)

Tasuta vs
tasulised
programmid -
mida arvata?

Tudengid ja TI - mida teha?

Keelata ära? (NB TI detektorid ei tööta!)

Samas - TI kirjaoskuse õpetamine on oluline

Ennastjuhtiva õppija tööriist?

Õppejõu roll?

Kokkulepped

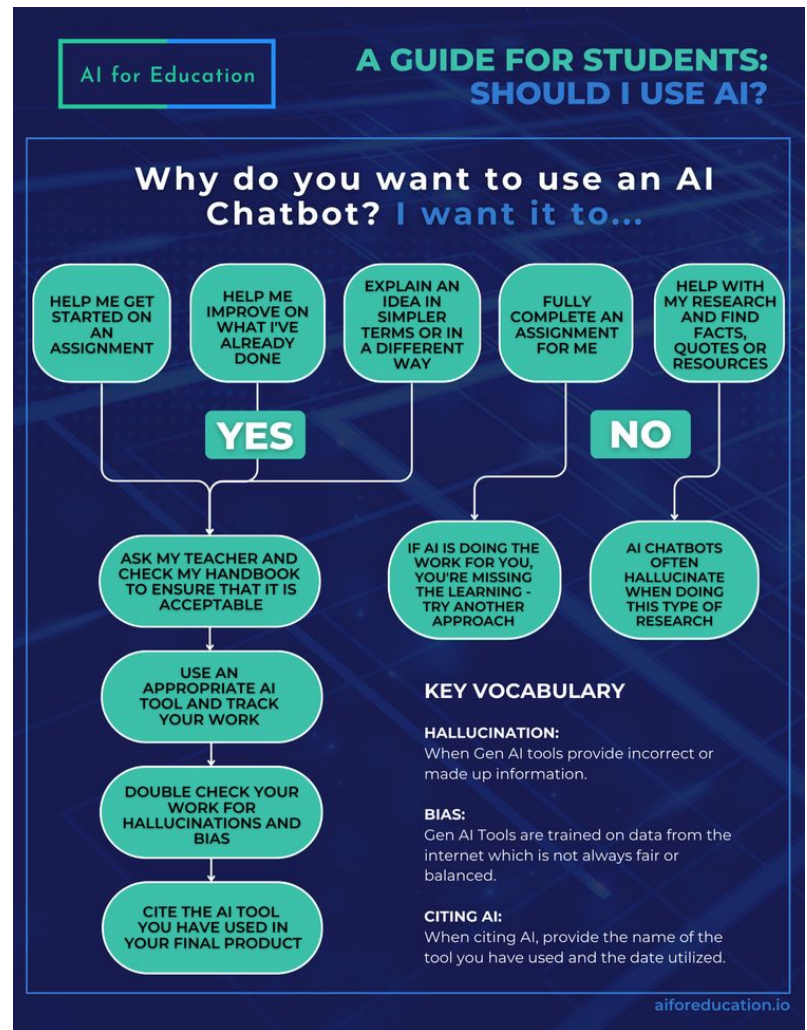
Can I submit an essay written by my friend Sam and claim that I wrote it myself?

Can I brainstorm a new project with my friend Sam to get new ideas?

Can my friend Sam help me edit my text?

(aiforeducation.io)

NB Kokkulepped hindamis-kriteeriumidesse!



Tudeng võiks seda iseseisva töö raames kasutada nii

1. Kokkuvõtete tegemine (kõige olulisemad punktid)
2. Selgitamine (keerukate ideede ja oluliste mõistete selgitamine lihtsamate näidete varal) [Seleta, mis on intertekstuaalsus nagu ma oleks 5-aastane]
3. Study-buddy (esitab küsimusi õpitava teema kohta - nagu tuutor)
4. Ümbersõnastamine (teksti keerukamate lõikude lihtsam sõnastus)
5. Ajurünnak (ideede kogumine projekti vm jaoks)
6. Tekstide kirjutamine (harjutamise eesmärgil)
7. Korrektuur
8. Tagasiside

Kuidas tsiteerida / How to cite Ghat GPT: <https://style.mla.org/citing-generative-ai>

Võimalik seminariteema

Topic: Hallucination Detective

Teach students about the risks of over-relying on AI chatbots using this fast-paced, hands-on lesson. In this lesson, students play the role of a 'Hallucination Detective', investigating how and why generative AI chatbots sometimes produce answers that contain incorrect or made-up information.

To do this, students examine a real-life case study and then test and fact-check an AI chatbot's answers for inaccuracies or made-up information, known as hallucinations. Lastly, students create a short presentation on the risks of chatbot hallucination and propose methods to combat it.

(...)

By the end of the lesson, students will be able to:

Define and describe common ways Gen AI chatbots hallucinate.

Create and evaluate a test to demonstrate chatbot hallucinations.

Deliver a short presentation on the risks and methods to combat chatbot hallucinations.

<https://www.aiforeducation.io/curriculum/hallucination-detective>

Essee - võibolla nii?

1. Tudeng saab essee teema ja hindamiskriteeriumid.
2. Kirjutab 1. versiooni ja laseb Chat GPTl anda tagasisidet hindamiskriteeriumide alusel.
3. Parandab tööd ja küsib uuesti tagasisidet.
4. Parandab vajadusel veel ja laseb teha keelelise korrektuuri.
5. Esitab essee ja NB! vastava Chat GPT chati (vt lingi jagamise võimalus)
6. Õppejõud hindab kogu kirjutamise protsessi, mitte ainult lõpp-produkti.

Brian Stocktoni kommentaar FB grupis
Chat GPT Ideas, Tips & Tricks.

Apologies if this comes across as preaching but I would advise that you teach your students how they can do this with ChatGPT if they can access it. A colleague and I ran a study with a group of university students. They first wrote a standard IELTS type 2 essay by themselves and used ChatGPT to grade and give feedback on it. They then got an outline for the same prompt from ChatGPT, rewrote the essay following the outline and again got it graded by the AI. Finally, they fed what they had written into ChatGPT and asked it to identify sentences which needed editing to improve the clarity, style and word choice. They then edited where they thought they needed and got the final version graded. Some of the final versions were 2.5 bands higher than the originals. I think the message that comes from this approach is that the teacher is empowering them rather than just dodging a boring chore. If the students submit their finished work with the final evaluation, you could look to see if there's anything you would add (specific examples that would illustrate points) or just say, Yeah, pretty much this.

Socratic Tutor

Teach me how to [XYZ] using Socratic dialogue, where you ask leading questions, and respond depending on my answers. Present your questions one by one.

(Alexander Sidorkin in ChatGPT for teachers, 17.12.23)

TI ja õppetöö

TI on igal juhul hea vahend rutiinsete tööülesannete automatiseerimiseks (nt valikvastustega testi loomiseks).

Aga - kui tudeng teeb valikvastustega testi, siis mida ta sellest tegelikult õpib? Kas ta õpib (testiks valmistudes) midagi ka ainese kohta või valmistub lihtsalt testiks?

Või - kui ta kirjutab esseed teemal, mille nt ChatGPT paremini ära vastaks, siis mida ta õpib? Midagi ainese kohta või mõtlema või esseed kirjutama - või hoopis mingit teksti kokku kopima ja seda peistima?

[NB Enne ChatGPT-d oli Google Translate!]

Ülesanded

Ei tööta:

Töölehed/küsimused, nt teksti või video juurde

Traditsiooniline essee vm kirjutis kui hindeline kodutöö / eksamitöö (osa)

Valikvastustega jm testid

Traditsiooniline hindamine

Töötab:

Loominguline ülesanne (nn Creative Response)

Authentic Assessment (the application of knowledge and skills in new ways, an element of performance, alignment to real life tasks, problems, and situations)

(<https://ecampusontario.pressbooks.pub/rethinkingassessment/chapter/principles-of-authentic-assessments/#:~:text=All%20three%20definitions%20highlight%20the,tasks%2C%20problems%2C%20and%20situations>)

Õpetada, kuidas TI kasutada nt eksamiks valmistumiseks

Hinne selgub koguprotsessi põhjal

TI kui “thinking partner”

Prompt for questions, not only for answers

(Questions guide our reflective process and stimulate our own thinking)

Prompt for process, not only for product

(We ask AI to walk us step by step along a pathway that leads to our goal)

Prompt for expertise, not only for information

I want to [desired outcome]. Walk me step by step through a series of reflective questions that can guide me. Generate only one question, idea or suggestion at a time, then wait for my response before continuing.

Please generate a sequential, step-by-step process for [interactive Q&A sessions with ChatGPT] in my [subject] class.

I want to clarify my thinking about the upcoming seminar on [XY] I've been asked to present. Ask me questions that will help me get clear on the session objectives and also find the time to prepare, given my packed schedule. Suggest resources that can streamline my preparation process. Generate only one question, idea or suggestion at a time, then wait for my response before continuing.

<https://www.ecmtutors.com/how-ineffective-use-of-generative-ai-can-atrophy-your-brain/>

Veel paar mõtet

Kasuta vastutustundlikult - see tehnoloogia on väga kallis

Kustuta chat, mida sul enam vaja ei ole - koormab servereid ja annab võimaluse sinu järelle “nuhkida”

Vajadusel lülita “Training” välja

+ elementaarne küberhügieen (kustuta küpsised jms)

Lugemist

Matt Miller: Ditch That Textbook. Burgess: San Diego, 2015.

What is ChatGPT? A Chat with ChatGPT on the Method Behind the Bot:

<https://www.datacamp.com/blog/a-chat-with-chatgpt-on-the-method-behind-the-bot>

Amanda Bickerstaff: AI for Education (<https://www.aiforeducation.io/ai-course>) + Prompt library (<https://www.aiforeducation.io/prompt-library>)

Jeff Swisher: Chat GPT Prompt Guide (<https://theswishers.com/chatgpt-prompt-guide/>)

Harry Pickens: <https://chatgptmasterclasscommunity.mixo.io/>

Stan Skrabut: 80 Ways to Use Chat GPT in the Classroom. Using AI to Enhance Teaching and Learning. Skrabut, 2023 (tubarksblog.com/newsletter).

Erinevad FB grupid

Avatud mikrofon

Küsimusi?

Kommentaare?

Tagasisidet?

Häid praktikaid, mida jagada?

Aitäh!