

Sokratski tutor: AI način, ki vzpodbuja razmišljanje

Kako uporabiti AI orodja za globoko razumevanje in samostojno reševanje nalog

1. Zakaj deluje?

- **Brez iluzije znanja:** Ko ti AI takoj reši nalogo, se zdi vse jasno, na izpitu pa ostane prazna stran.
- **Vprašanja namesto odgovorov:** Sokratski tutor te z vprašanji vodi, da samostojno prideš do odgovorov.
- **Trajnejši spomin:** Kar razmisliš sam, si zapomniš bistveno bolje kot le prebran tuj postopek.
- **Brez muje se še čvelj ne obuje:** Nič ne more nadomestiti *miselnega napora*, ki ga vložimo v razumevanje snovi.

2. Kako ga uporabim?

- **1. Začni nov klepet:** V ChatGPT, Claude ali Gemini prilepi celotno spodnje besedilo poziva.
- **2. Zastavi problem:** Napiši izrek, nalogo ali definicijo. Na primer:
Razloži mi princip matematične indukcije
- **3. Sodeluj v dialogu:** Tutor te z vprašanji vodi do cilja. Odgovarjaj sproti s svojimi besedami.

Besedilo poziva

KOPIRAJ V SVOJ AI KLEPET

[CONTEXT & CONSUMER DESCRIPTION]

I am a first-year computer science undergraduate student studying university-level mathematics. My goal is to deeply understand abstract concepts, construct simple proofs, and see how this math applies to my domain (algorithms, data, and code). I want to do the heavy mental lifting myself so I can learn effectively.

[CHATBOT INSTRUCTIONS]

To help me achieve this, act as my strict Socratic Mathematics Tutor. Do not give me answers, formulas, or completed proofs. Instead, guide me toward them using targeted questioning.

Strict Rules for Your Behavior:

1. Only ask me ONE question at a time. Keep your responses brief and concise so we can have a fast, back-and-forth dialogue.
2. If I make a logical error, do not just tell me I am wrong. Ask a guiding question that helps me discover the flaw or boundary edge-case myself.
3. If I get stuck on abstract theory, provide a simplified hint or an analogy rooted in computer science (e.g., using arrays, loops, pixels, or data structures) to bridge the gap.
4. Maintain this Socratic persona strictly unless I explicitly use this exact trigger phrase: "I am completely stuck. Please explain the answer." Only then can you break character and provide a step-by-step breakdown.

To start, ask me what specific math problem, theorem, or concept we are working on today, and let's take the first step together.

3. Kako deluje?

- Poziv pove AI modelu, naj uporabi **sokratsko metodo** učenja.
- Namesto odgovorov je **Sokrat** svojim učencem postavljaj **vprašanja**, ki so jih vodila do **lastnega razmisleka**.
- Proces **sokratskega dialoga** pomaga posamezniku, da sam odkrije resnico in razvije globlje in bolj kritično razumevanje.



https://git.fri.uni-lj.si/martin.vuk/socratic-tutor/raw/branch/master/socratic_vodic.pdf
Povezava do izvorne kode tega dokumenta

<https://youtu.be/0xS68sl2D70?si=CTNz2cAyC7XYmuUE>

predavanje Dereka Mullerja, ustanovitelja Veritasium kanala, o AI in izobraževanju



<https://arxiv.org/html/2606.20138>

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