

Osaamisen kehittäminen

AI in programming course

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AI in programming course

Teaching

- Ongoing Programming 3 - course
- 360 participant

Course Goals: To extend programming skills and the use of key programming tools to working in a software team of several people.

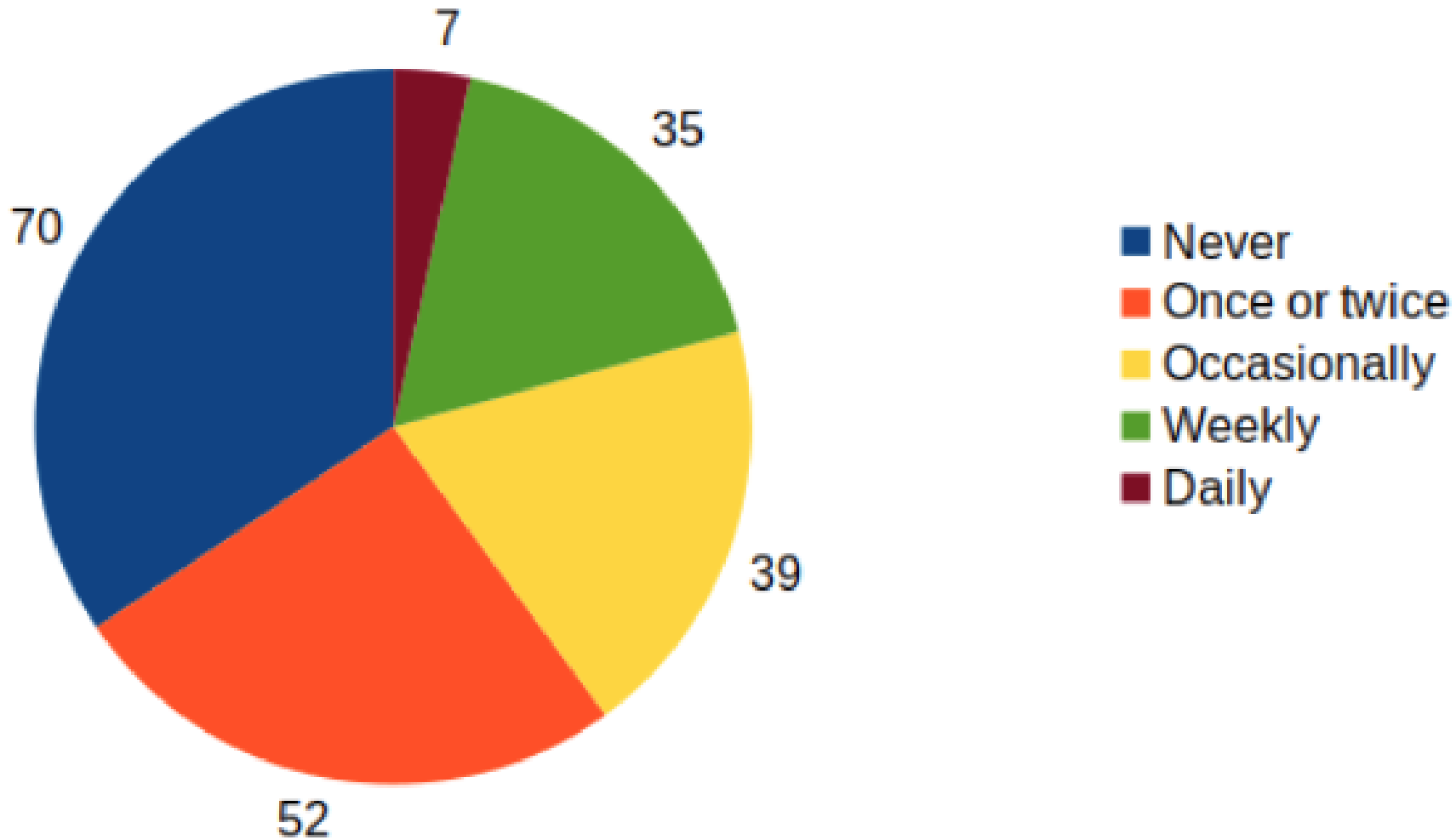
AI in programming course

- ChatGPT published
- Question: Do students use ChatGPT in their studies?
- Question: How this change the learning experience?

How to resolve this? - Let's make a survey.

About **200 answers**

1. Have you used AI (for example ChatGPT) in your studies?



2. In what situations and why, you have used AI?
If not, please elaborate on your reasons for not using AI.

How students use AI?

60 % Use regularly

32 % Tried

8 % Not used

”Tekoälyn käyttäminen nopeuttaa työskentelyä huomattavasti, kun sille voi antaa yksitoikkoisten koodipätkien kirjoittamisen.”

”Auttaa syntaksiongelmiin ratkaisussa ja nopeuttaa tiedonhakua.”

”Se opettaa miten asioita voi tehdä monilla tavoin.”

”Erinomainen työkalu oppimiseen”

”ChatGPT:n rooli minulle on hyvin samankaltainen kuin kurssiassarin”

”AI is usefull when doing repetitive tasks”...

”Käytin avuksi ideointiin.”

”To debug what is wrong with my program”

2. In what situations and why, you have used AI?
If not, please elaborate on your reasons for not using AI.

How students use AI?

Analyzation / Categorization: (% of users mention these aspects in their answer)

51% use for learning

- Speed up learning,
- clarify things,
- clarify code syntax)

40% use as a Google

37% use to program the exercises

15% debugging

Note: 11% mention negative aspects when using AI

Conclusions

- AI is becoming more involved in **learning / teaching**
- Students need guidance to use AI and AI tools

What else?

- **Prompt engineering?**

