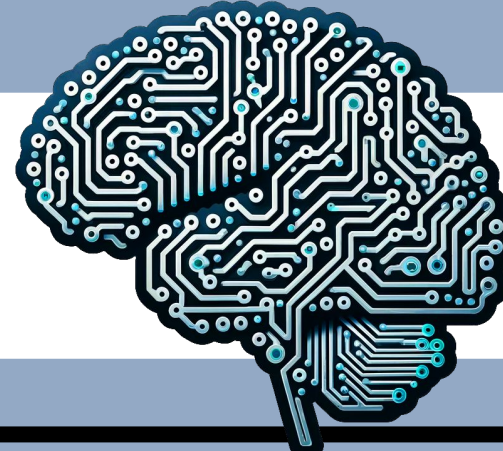




AI in Action - What Students Think About AI



Introduction

Artificial intelligence (AI) is a technology to create and perform tasks that usually require human intelligence. We decided to ask our fellow peers on how AI impacts their lives and how it does so providing either advantages or disadvantages to their school and daily lives.

Methods

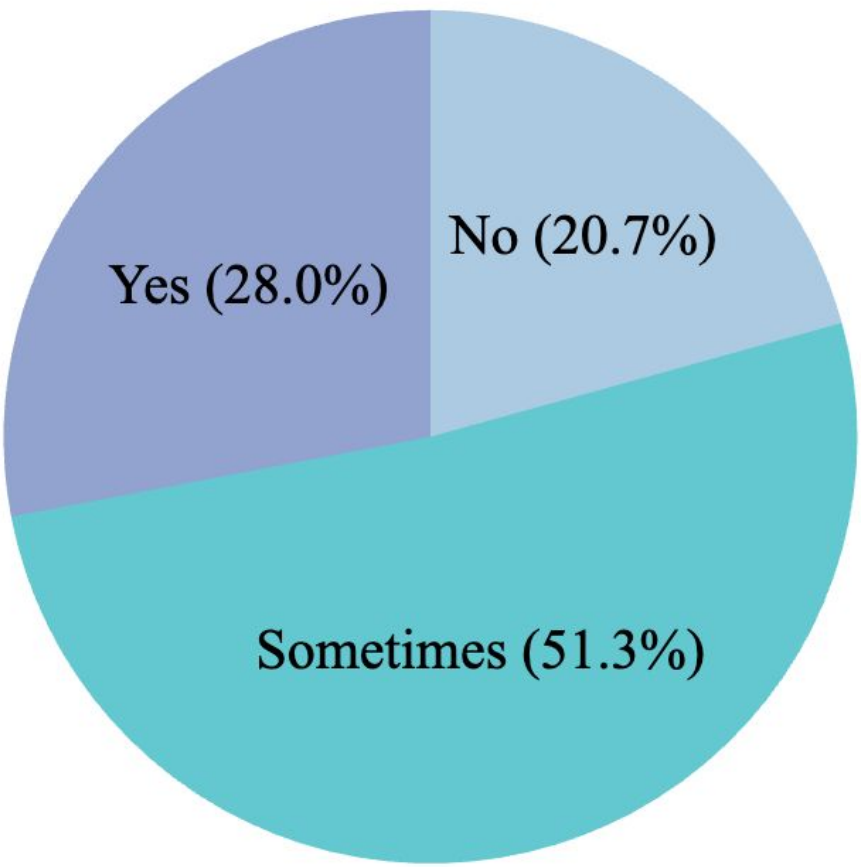
We used Google Forms to survey 82 students in the 6th grade, asking the following 4 research questions.
1)Do they use AI?
2)How does AI help and benefit their lives?
3)Whether AI Improves their academic performances?
4)Should people use AI?

Purpose

The purpose of this project is to figure out what students think about AI, whether AI provides positive impact or negative impact on their classworks, and how students use AI productively to achieve their academic goals.

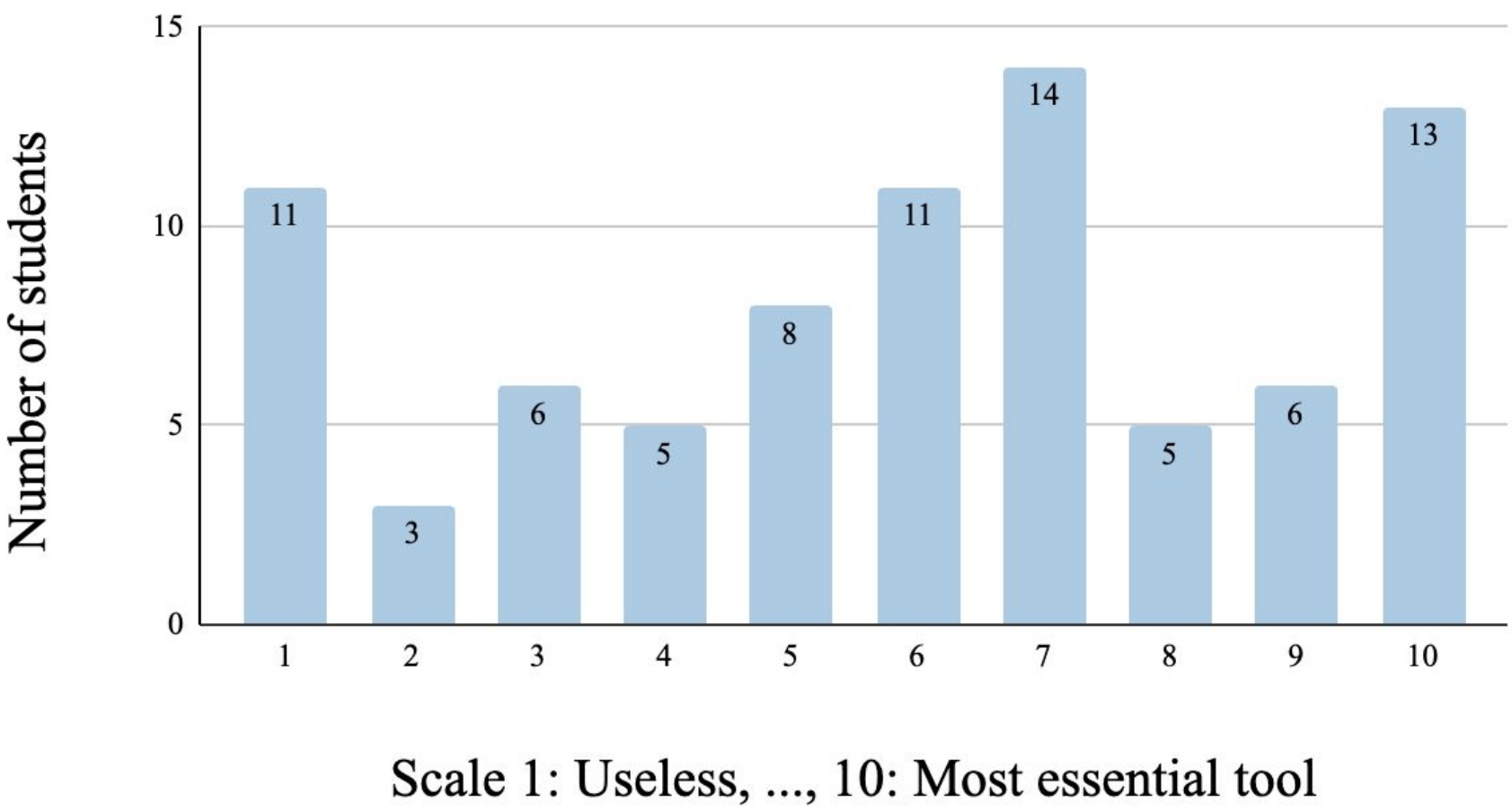
Results

Do they use AI?



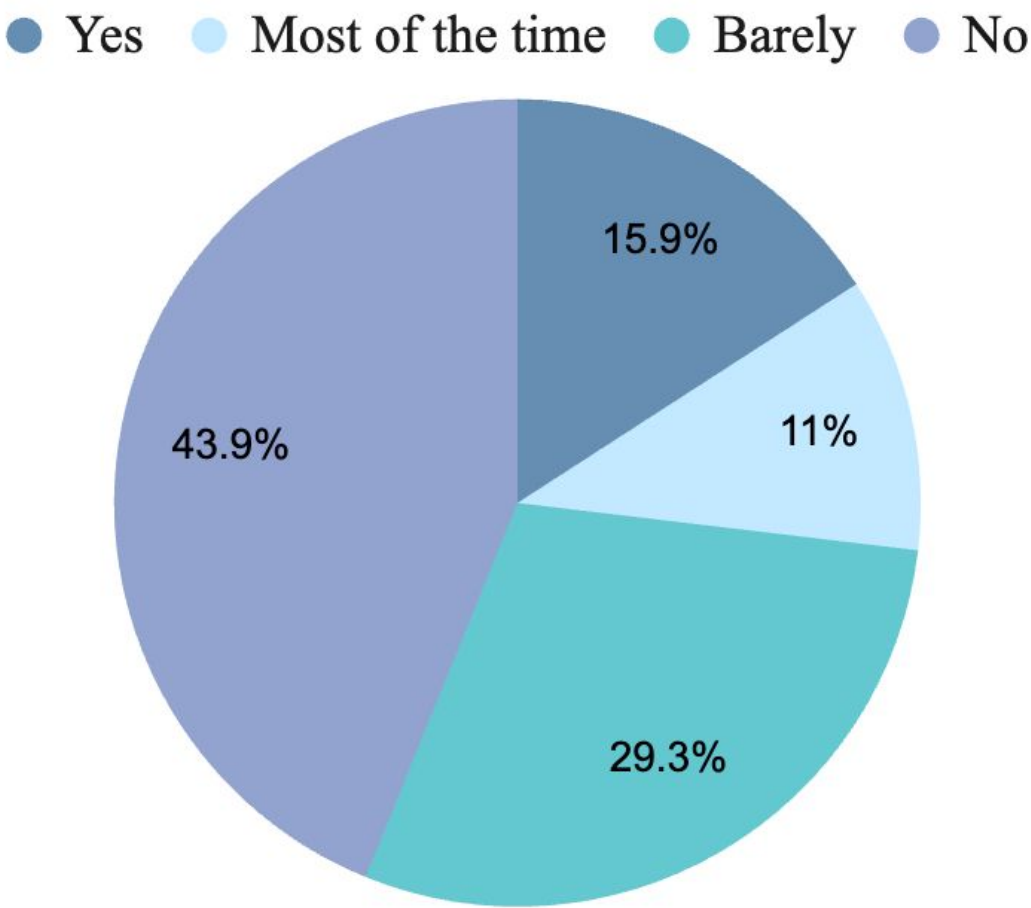
Most 6th graders use AI, 79.3%. Half of them (51.3%) are moderate AI users, 28% are frequent AI users, while 20.7% are non-AI users.

On a scale of 1 to 10, does AI help and benefit your life?



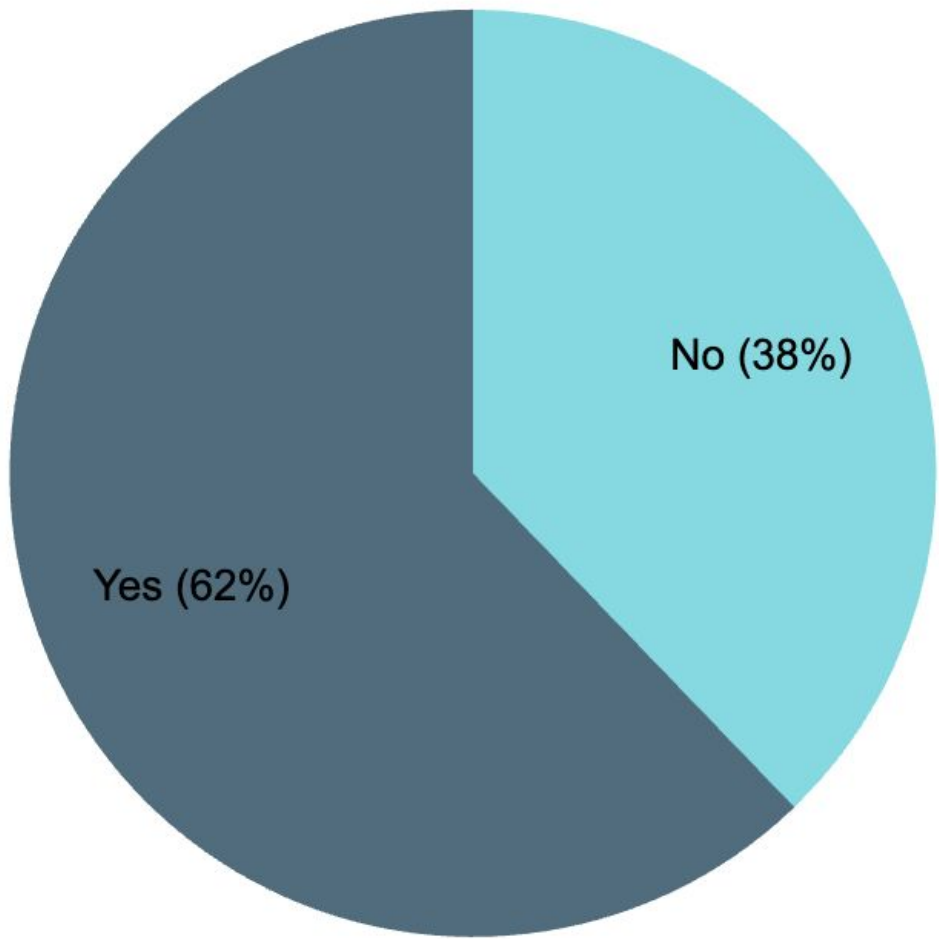
Average score of total 82 students is 5.9, which tells about most 6th graders thought that AI benefits their lives. Average score of bottom 25% of students is 1.75 and the average score of top 25% of students is 9.3.

Does AI help improve your grades?



This data shows the amount of students that use AI to help improve their grades and knowledge. Half of students (56.2%) improved their grades using AI. 11% of them improved their grades using AI a lot, 15.9% of them improved their grades using AI moderately, and 29.3% of them improved their grades using AI barely. 43.9% of students don't use AI to improve their grades.

Should people use AI?



Most students (62%) thought that people should use AI, while the other 38% of students thought that people should not use AI. Negative opinions are coming from that AI might even be a problematic tool and can harm their academic success and daily life. Overall most students want more people to be using AI, more beneficially, effectively, and intentionally.

Conclusion

After collecting our data from 82 6th graders, we found out that AI overall does have a vast impact on students academic performance. AI does however seem to help benefit students lives primary, most students use AI a couple times throughout the week, and many of our peers believe that people should use AI. To conclude, AI does drastically impact students positively.

Discussion

AI systems can learn, make decisions, and solve problems. Examples of AI are self-driving cars, speech and facial recognition, chatbots, and virtual customer service. One useful example is VespAI[1], which make easy to track Asian hornets far faster and more accurately than humans. People use AI responsibly and be aware of its limitations. Using AI responsibly contains checking quality and accuracy, choosing the right tools, take biases seriously, and being transparent. Think of all the ways it can be used!

Reference

[1] O'Shea-Wheller, T.A., Corbett, A., Osborne, J.L. *et al.* VespAI: a deep learning-based system for the detection of invasive hornets. *Commun Biol* 7, 354 (2024). <https://doi.org/10.1038/s42003-024-05979-z>