

AI in Higher Education: Exploring AI Tool Adoption and its Impact in Universities

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Introduction

- AI is increasingly embedded in everyday life.
- It is rapidly getting integrated into industries like healthcare, transportation, and education.
- It is growing in education and beyond & ChatGPT is everywhere now !

AI Tools in Higher Education

Most Basic Roles for AI in Higher Education

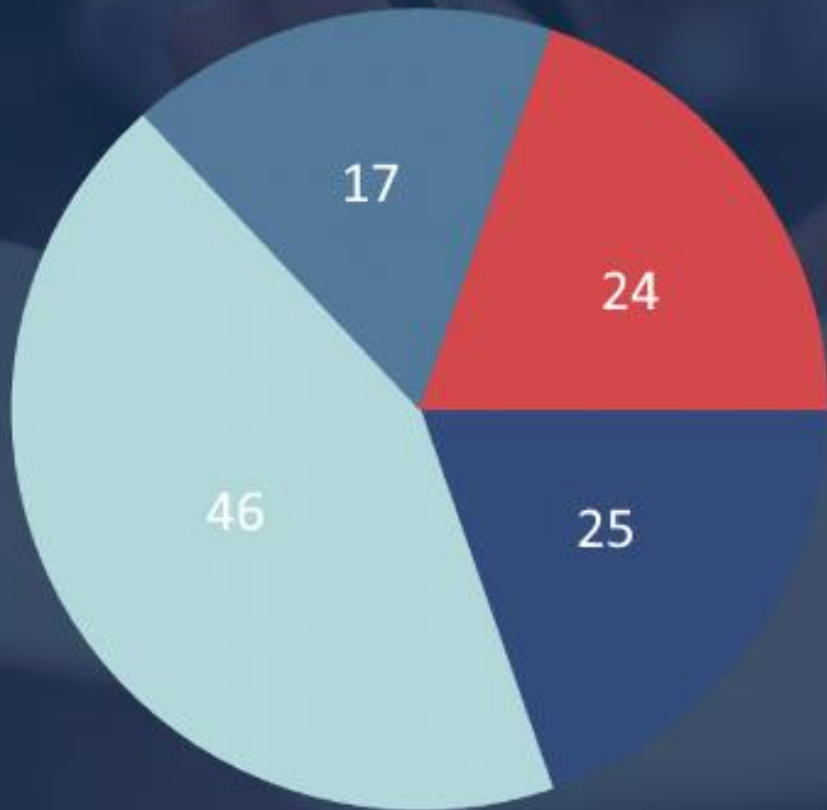
- Plagiarism checkers
- Automated grading systems
- ChatGPT as assistant

Surveys

- Data was gathered from two online surveys, one for students and another for academic staff. Total participants 112 Students & 20 Lecturers.
 - They were short surveys asking specific multiple-choice, Likert scale (rating scale) and open-ended questions;
 - What do you think about students' usage of AI tools to assist with assignments and research?
 - What do you think about usage of AI-powered tools for grading assignments and exams without human intervention?
- 1 2 3 4 5
- Unacceptable ○ ○ ○ ○ ○ Acceptable
- Offer any other insight you have about AI usage in education.

Survey Results - History of AI Usage - Students vs Lecturers

Do you ever use AI powered tools or applications in your academic journey?



Yes, frequently Yes, occasionally Yes, rarely Never

Do you ever use AI powered tools or applications in your teaching/research journey?



Yes, Frequently Yes, Occasionally Yes, Rarely Never

Survey Results - Benefits of AI - Students vs Lecturers

Students



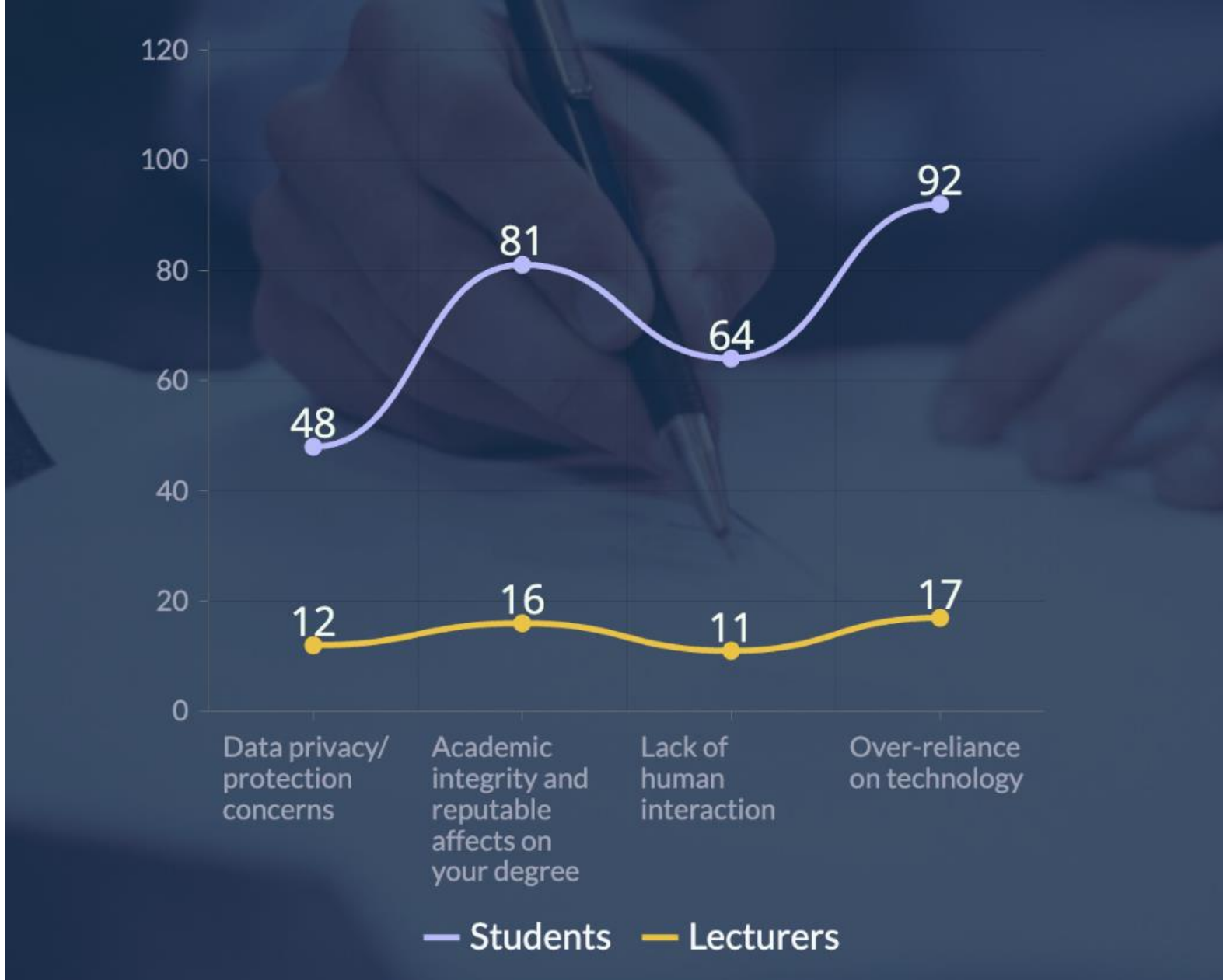
- Personalised learning experiences
- Enhanced student engagement
- More access to educational resources
- Improved learning outcomes

Lecturers



- Personalised learning experiences
- Enhanced student engagement
- More access to educational resources
- Improved learning outcomes

Survey Results - Challenges and Concerns



Conclusion

Contradictions

Within the surveys conducted, it was presented that some of the results generate contradictions naturally.

Most obvious one is:

- Most students leaned towards **accepting AI tools for assignment assistance**, but surprisingly found using them **to grade exams unacceptable**.
- An interesting perspective into **students believing that it would be acceptable for them to use AI tools** that can assist with their workload and speed up the process of completing coursework but believe it would **be unacceptable for their institutions to use AI tools** to assist with grading them.

Discussion

Conflicting Results

Students say:

"Humans should be involved in the marking."

"Useful tool to filter certain things such as performance, attendance etc but should never be the decision maker."

"If we can't use it to write parts of our work, they shouldn't be able to use it to mark parts of our work"

Academics say:

"Exhausted by reading hundreds of pages of AI generated text"

"Hate it. It's one of the reasons I am leaving academia"

"A double-edged sword. There are a lot of benefits but also will harm/change a lot of things at the same time. Time will show us..."

Future Work

The reason behind conflicting results is unknown; further research - and maybe more time- would be required to come to a clear conclusion and possible resolution.



Any Questions ?

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Students Survey

<https://forms.gle/GsNKzxSHWL1STCam7>



Lecturers/Academic Staff Survey

<https://forms.gle/rT56zZqfPph3b4DB8>

