



Understanding AI Hallucinations Impact on university community

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AI Hallucinations:

A response from a foundation model that includes off-topic, repetitive, incorrect, or fabricated content.

Hallucinations involving fabricating details can happen when a model is prompted to generate text, but the model doesn't have enough related text to draw upon to generate a result that contains the correct details (IBM Corporation.2024).

Impact on university community:

AI Hallucinations can spread misinformation and undermine the development of critical thinking skills among community college students (Fortune, 2024).

educators should understand the root causes of this problem and adopt effective strategies to minimize the risks of AI hallucinations in their classrooms.

Objectives

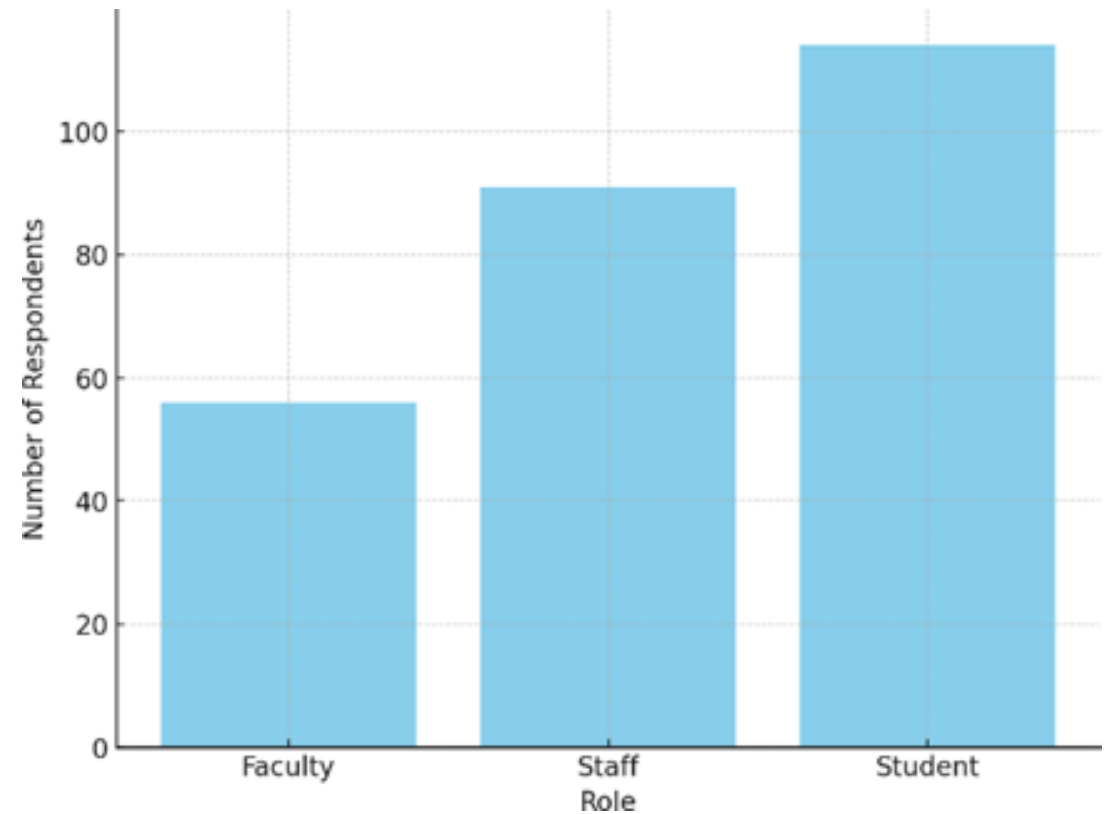
- The main objective of the study is to **raise awareness** about AI hallucinations among New Giza University's students, faculty, and staff.
- Another objective is to **educate** researchers and AI users on how to **use** these tools **ethically and effectively**.

Methodology:

The **descriptive method** was used to gather both quantitative and qualitative data through a structured survey.

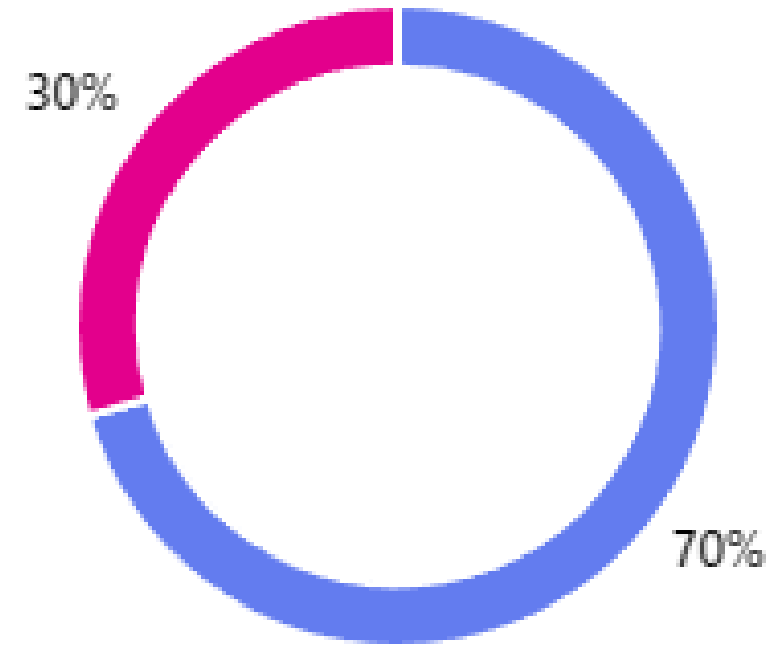
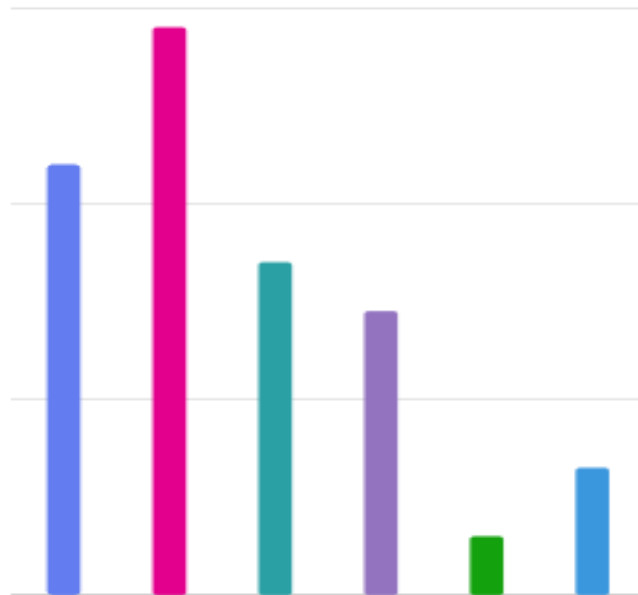
Participant Demographics

- **Total Respondents: 261** participants from New Giza University's Faculty, Staff, and Students.

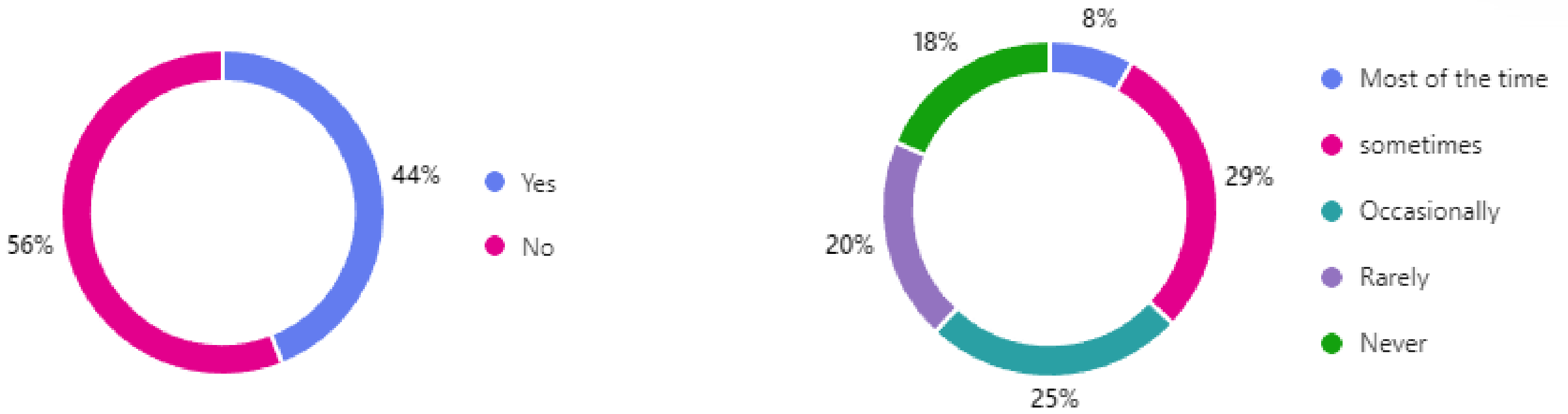


Familiarity with AI tools & Frequency of usage

- Daily 44
- Weekly 58
- Monthly 34
- Seasonal 29
- Yearly 6
- Never 13

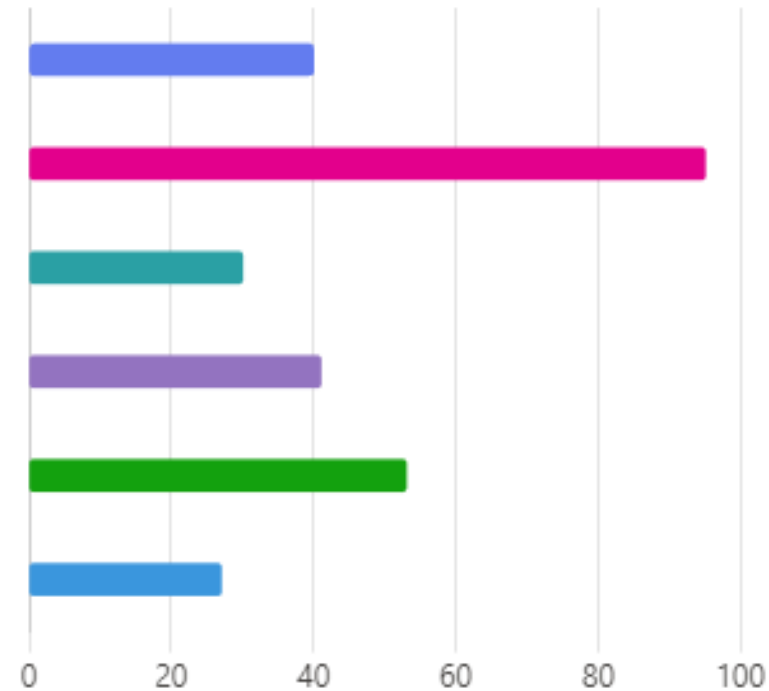


Awareness of AI Hallucinations



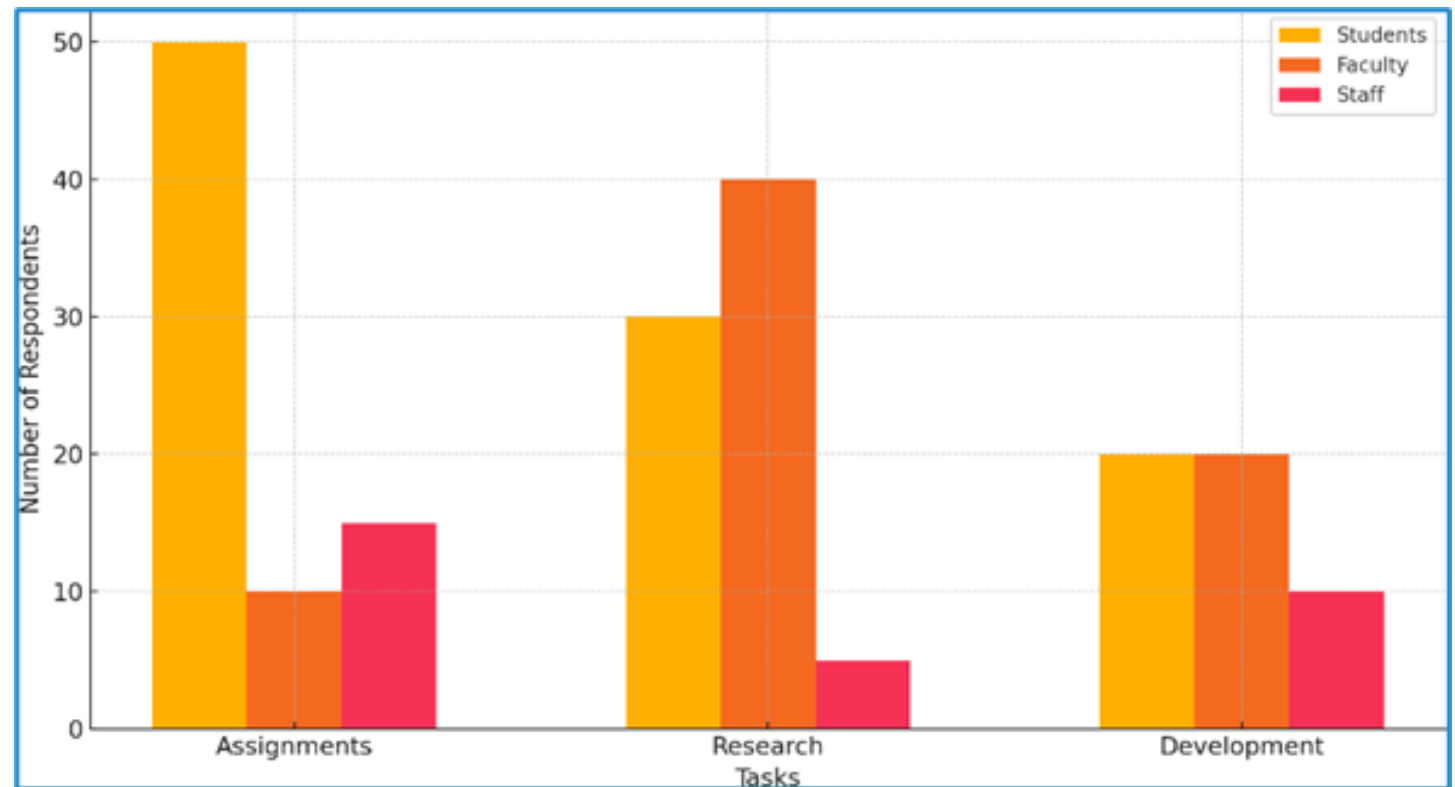
Types of Hallucinations

● Bias - Skewed perspective	40
● Misinformation - Unintentional incorrect info	95
● Disinformation - Deliberate false info	30
● Fabrication - Completely made-up info	41
● Omissions - Missing critical details	53
● Other	27



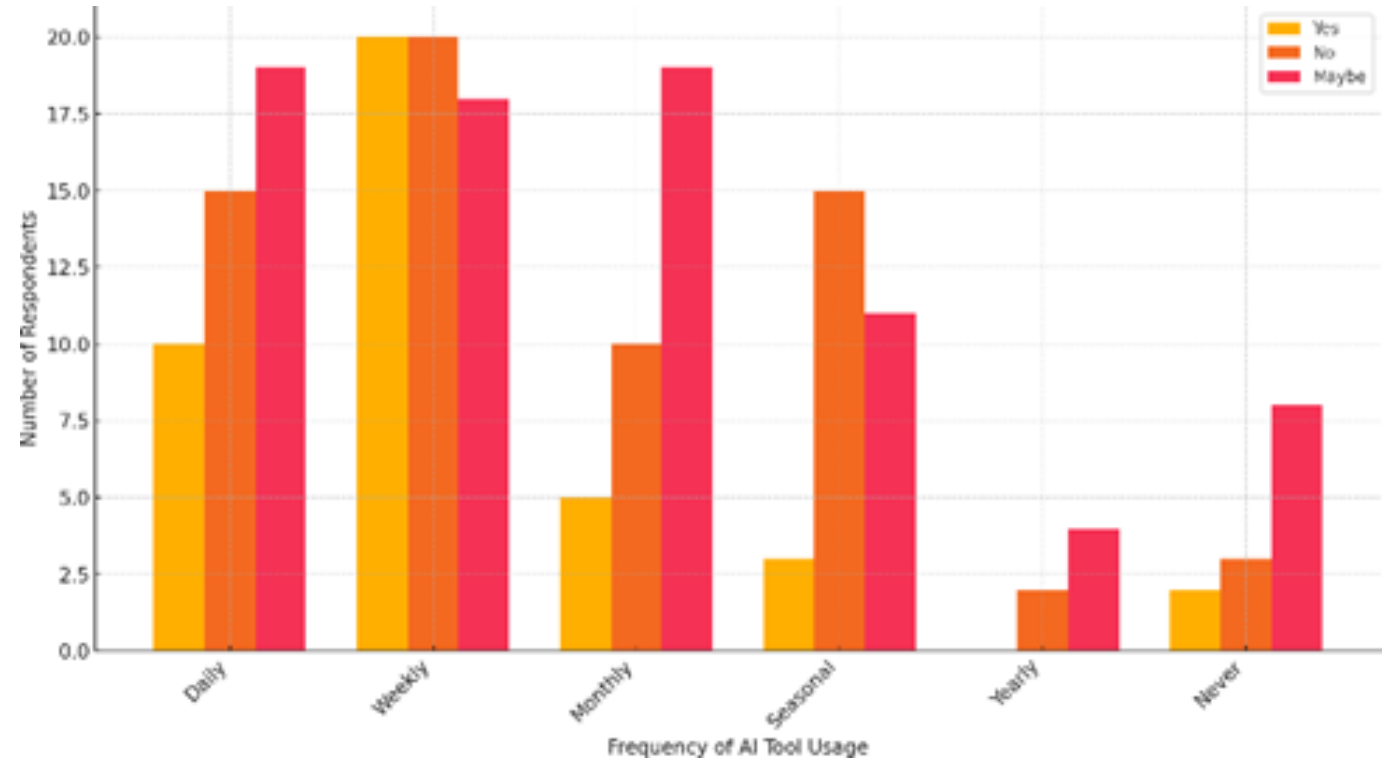
Role vs. AI Tool Usage purpose

Students: Assignments
 Faculty: Research & assignments
 Staff: administrative tasks

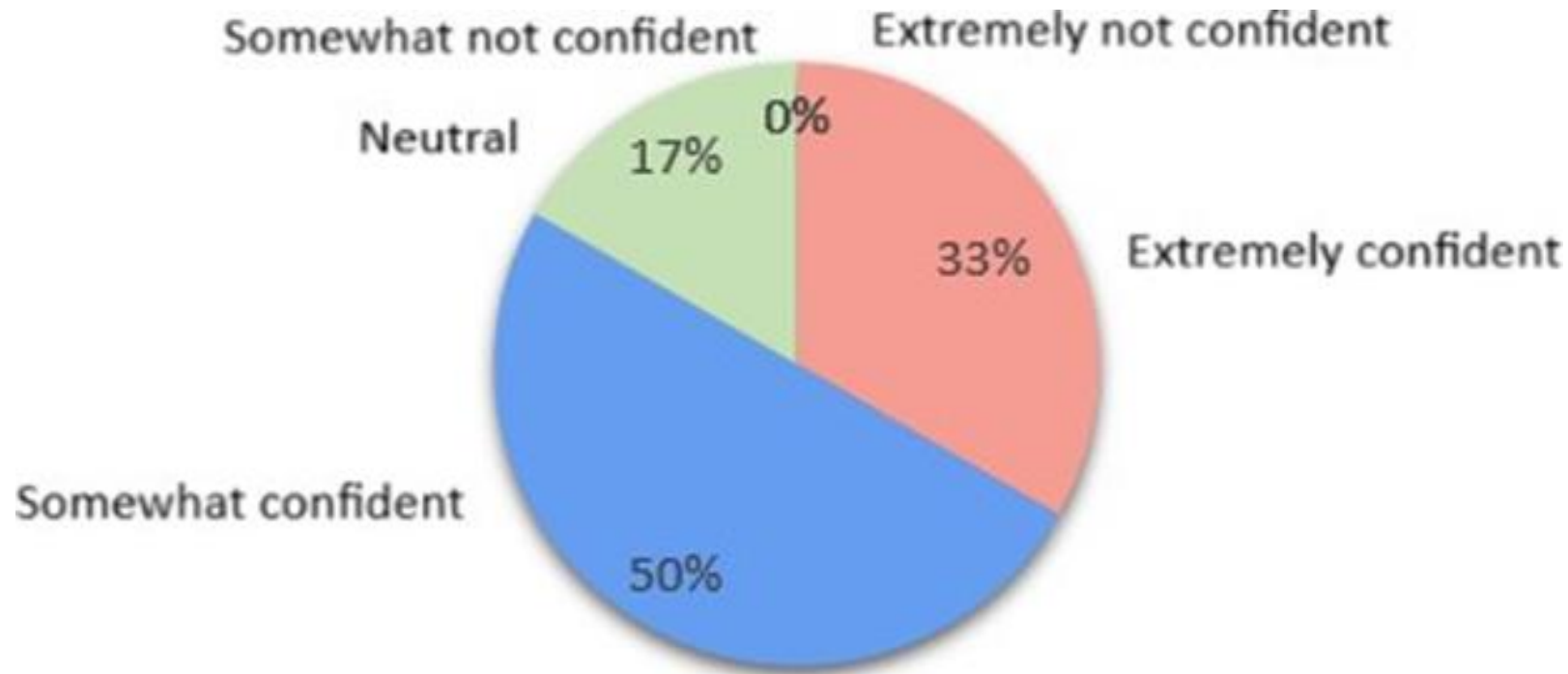


Frequency of AI Usage vs. Trust in AI:

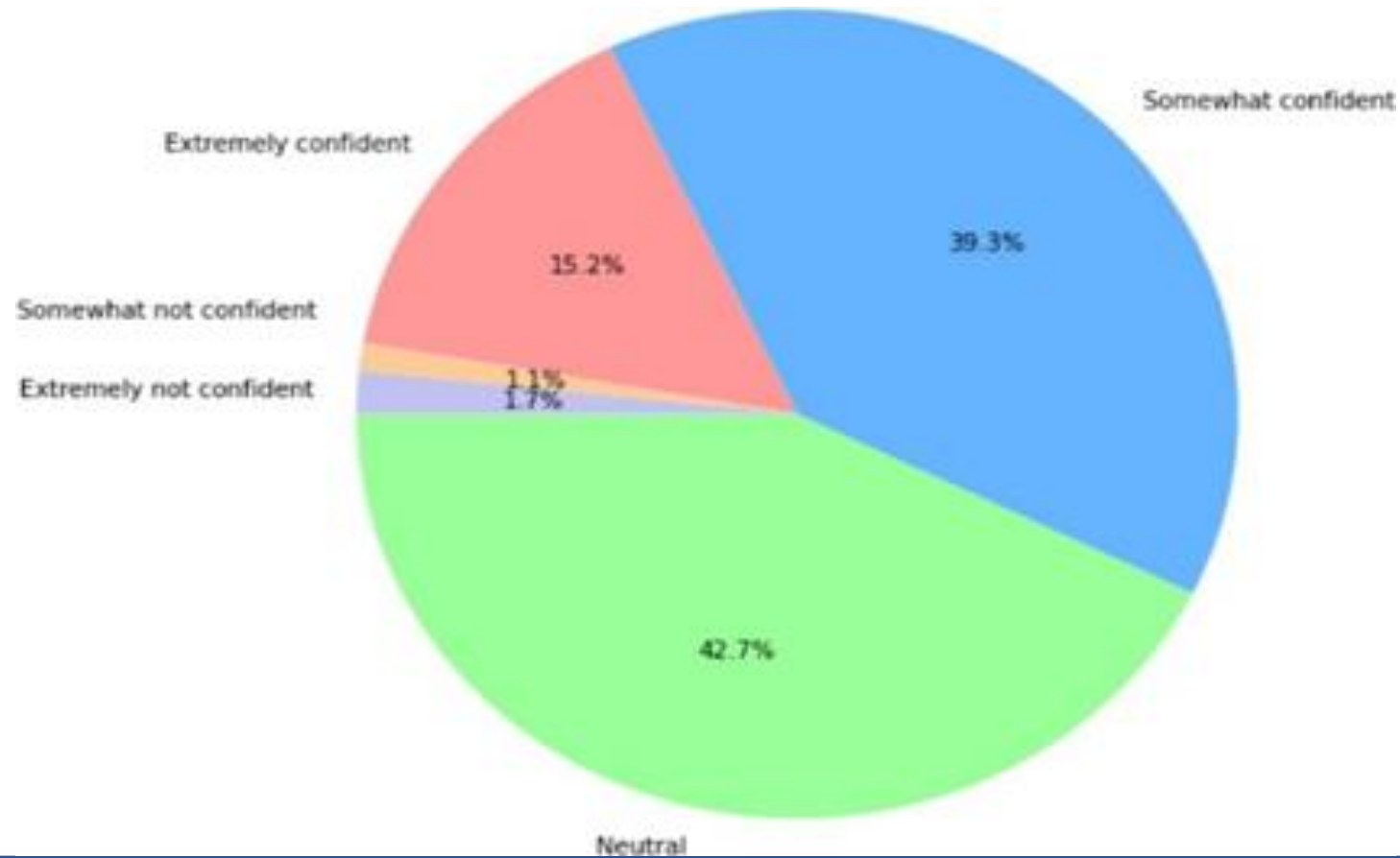
people who use AI tools daily or weekly are more likely to trust AI
 many across all usage levels say "Maybe," indicating some caution.



Confidence Levels Among Those Aware of AI Hallucinations



Confidence Levels Among Those Unaware of AI Hallucinations



Conclusion

As the nature of AI can produce new biases that are difficult for developers to predict or mitigate, From a librarian's perspective, boosting awareness, offering **AI literacy sessions**, and setting up solid usage **policies** are all crucial steps. By focusing on these areas, librarians can help make AI a more reliable and effective part of the academic experience, ensuring it supports rather than hinders our work.

Thank You..