



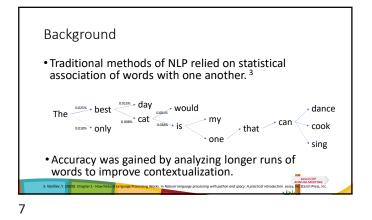
2. Southern, MG. (2023, January 11). Ope

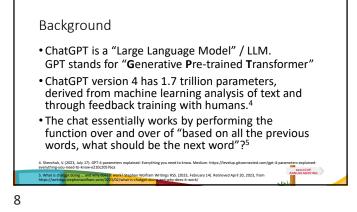
- Authorship of any kind must be evaluated for quality, completeness and bias.
- "ChatGPT may produce inaccurate information about people, places, or facts."¹
- ChatGPT was trained on data up to September 2021.²
- Responses generated by ChatGPT are usually indistinguishable from language generated by humans.

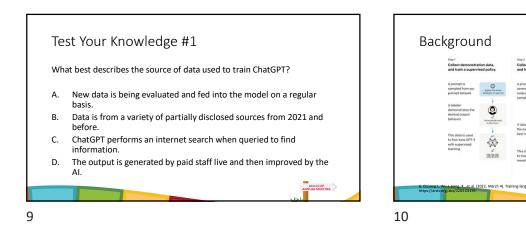
Disclaimers

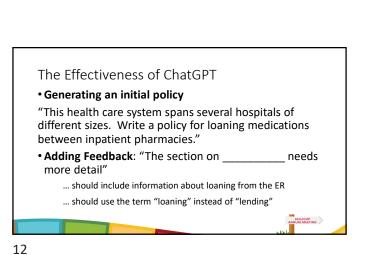
It is the professional opinion of this presenter that Large Language Model AI should not be utilized as a "final step" in professional writing, patient care or insurance decisions.

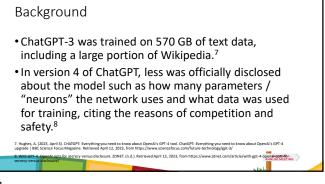
- There is no widely-recognized model to detect whether a model is biased or aligned to ethical practices.
- Deep models are known for their opacity, making them difficult to hold accountable to patients and regulatory bodies.

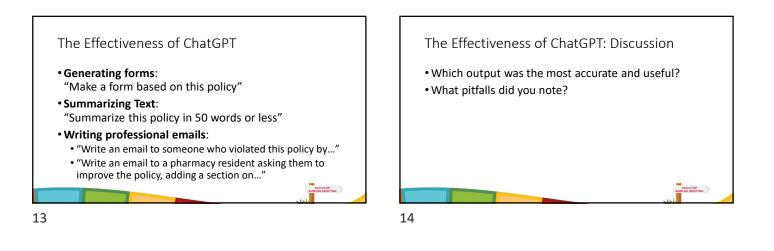


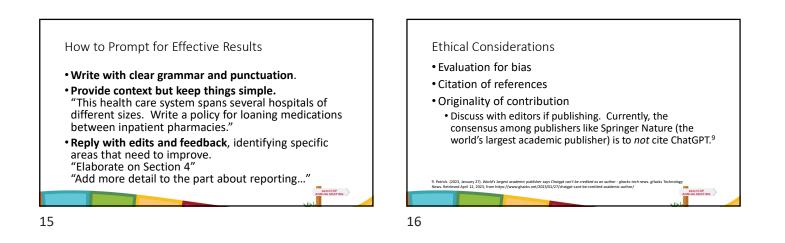


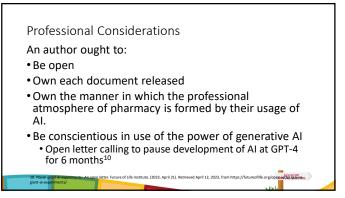












Evaluating Bias

Generative AI bias can be derived directly and indirectly from its source material. ChatGPT and other generative AI is trained using reinforcement learning from inherently biased individuals¹¹:

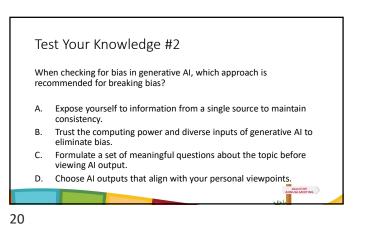
- Confirmation Bias
- Availability Bias
- Survivorship Bias failed attempts and negative examples may be less well-represented in training data.
- False Causality "correlation does not imply causation"

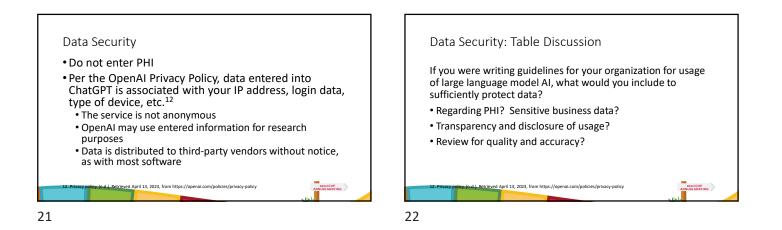
 Rzeszucinski, P. (2023, March 7). Council post: The supremacy of biases in ai. Forbes. Retrieved April 12, 2023, from https://www.forbes.com/sites/forbestechcouncil/2023/03/06/the-supremacy-of-biases-in-ai/?sh=24f44d637f31

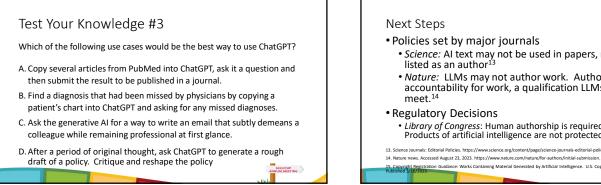
Evaluating Bias

- Tips for evaluating and breaking bias:
- Expose yourself to documents from a variety of sources and compare the differences.
- Limit your exposure to information from a single source.
- Formulate a set of questions before looking at generated output: who, what, when, where, why, how?

19

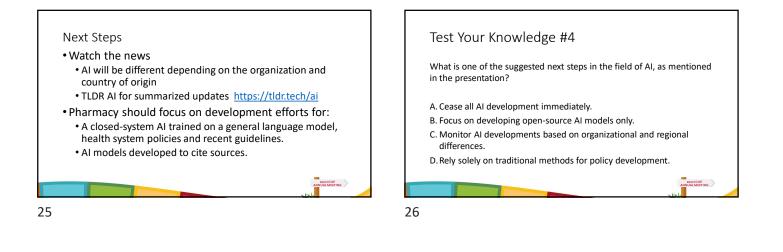


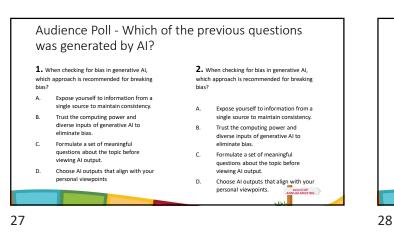


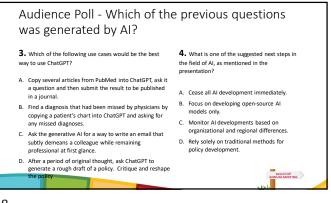


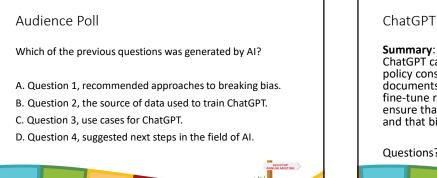
23

- Science: Al text may not be used in papers, nor may Al be listed as an author $^{\rm 13}$
- Nature: LLMs may not author work. Authorship requires accountability for work, a qualification LLMs cannot
- · Library of Congress: Human authorship is required for copyright. Products of artificial intelligence are not protected by copyright.¹⁵









ChatGPT Conclusion

ChatGPT can provide a strong initial framework for policy construction and can generate related documents like forms and emails. However, users must fine-tune responses and use professional judgement to ensure that all factors are taken under consideration and that bias is identified and corrected.

Questions?

30

Further Reading

In order of increasing length and complexity...

- Browne R. (2023, February 8). All you need to know about ChatGPT, the A.I. chatbot that's got the world talking and Tech Giants clashing. CNBC. Retrieved April 12, 2023, from https://www.cnbc.com/2023/02/08/what-is-chatgpt-viral-ai-chatbot-atheart-of-microsoft-google-fight.html
- Rizvi MSZ. (2019, August 10). A comprehensive guide to build your own language model in python! Medium. Retrieved April 12, 2023, from https://medium.com/analytics-vidhya/ac-omprehensive-guide-to-buildyour-own-language-model-in-python-5141b3917d6d
- Foster D. (2023). Generative deep learning: Teaching machines to paint, write, compose and play. O'Reilly Media.
- Most LLMs are written in Python. Begin learning Python if you would like to integrate Al into your career.

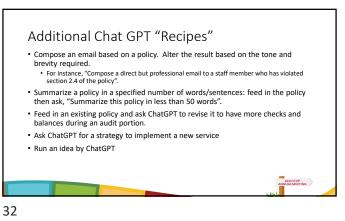


O'REILLY

Generative

Deep Learning

31



Chat GCPT "Recipe" Result
Market Chat Start Bar 23 Version: What would be the pros and cons of implementing a new infusion service at a small 3408 hospital can have both advantages and disadvantages. Here are some of the hospital on there programs on services.
The meeting and environmenting an infusion service can all 3408 hospital can have both advantages and disadvantages. Here are some of the hospital on there programs on services.
Spanded services: Offering an infusion service can allow the hospital to provide more comprehensive care to patients, which can be used to advantages.
Spanded services: Offering an infusion service can allow the hospital to provide more comprehensive care to patient substitation and hep attent environments.
Spanded services: Infusion therapy can be an effective treatment option for many conditions, and by offering this service to patient.
Improved patient outcomes: Infusion therapy can be an effective treatment option for many conditions, and by offering this service to patients.
Spanded services: Infusion therapy can be an effective treatment option for many conditions, and by offering this service to patients.
Spanded services: Infusion therapy can be an effective treatment option for many conditions, and by offering this service to patients.
Spanded services: Infusion therapy can be an infusion terapy can be an effective treatment option for many conditions, and by offering this service to patients.
Spanded services: Infusion terapy can be an infusion service can be challenging, especially if there is a shall avait to an age the infusion service and the hospital and wanto the analysis of the cast of providing this service.
Spanded services: Infusion therapy can be andread avait to regulatory requirements, and the hospital negative terapy can be an effective treatment optical service.
Spanded services: Infusion t

33