





Kevin Bauer (Leibniz Institute for Financial Research SAFE) Florian Pethig (Business School, University of Mannheim) Hartmut Hoehle (Business School, University of Mannheim)



















Motivation



- Major news outlets, including The New York Times and The Washington Postemploy AI to report on financial markets, politics, sports, and crime
- Longoni et al. (2021) show that humans perceive Al-generated news as less accurate than news written by humans
- Kreps et al. (2022) show that humans are largely incapable of identifying whether news articles are Alor human-generated
- Research questions:
 - How do humans process and act upon Al-generated compared to human-generated information?
 - How do humans disseminate Al-generated information?

Pre-Registered Study 1



- We compiled two texts from several news articles written by professional journalists (NYT, CNN, ...)
 - Development of the US stock market index Dow Jones
 - Development of the number of Covid cases in the US
- We used Generative Pre -trained Transformer 3 (GPT -3), a state-of-the-art natural language processing (NLP) model, to paraphrase each text
- Participants were assigned to one of the texts, answered three incentivized questions about it and assessed the text along several dimensions (trust, objectivity, etc.)

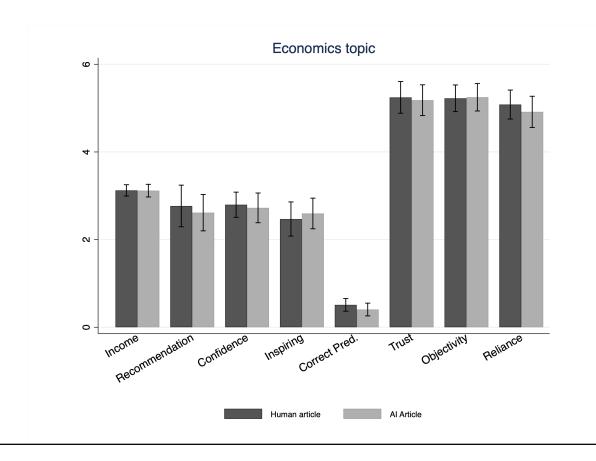
Table 1: Treatment conditions of study 1

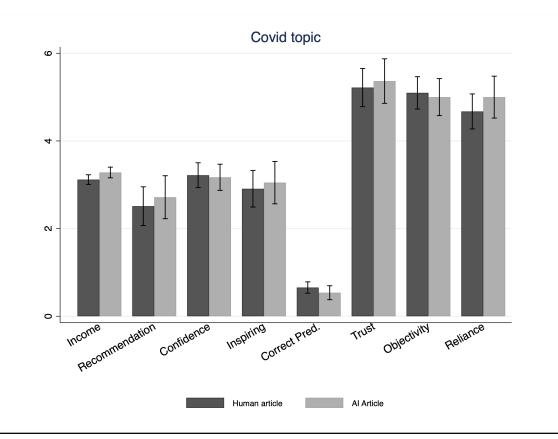
	Human-generated	AI-generated
Correct disclosure	T1	T2
Incorrect disclosure	T3	T4
Opacity (no knowledge about source)	T5	Т6

Preliminary Results (1/2)



Overall there are no differences in participants perception of article from human vs. article from the Al

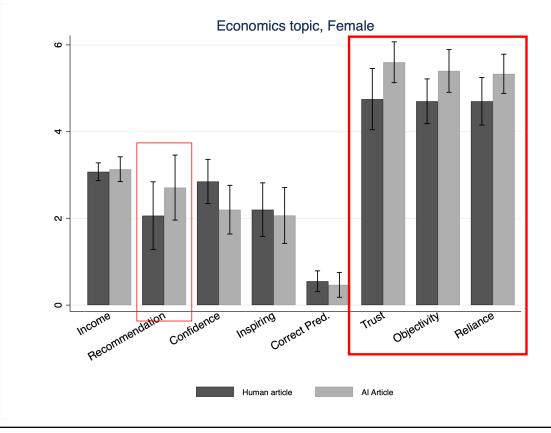


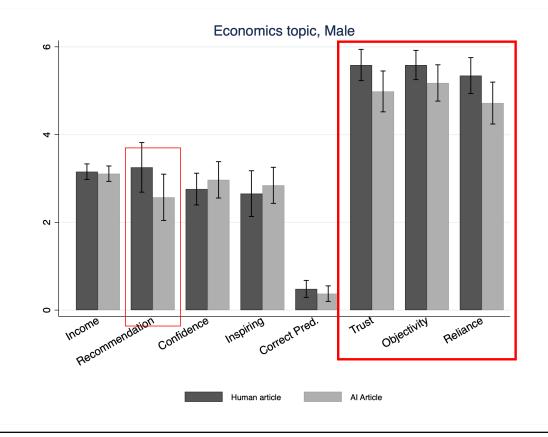


Preliminary Results (2/2)

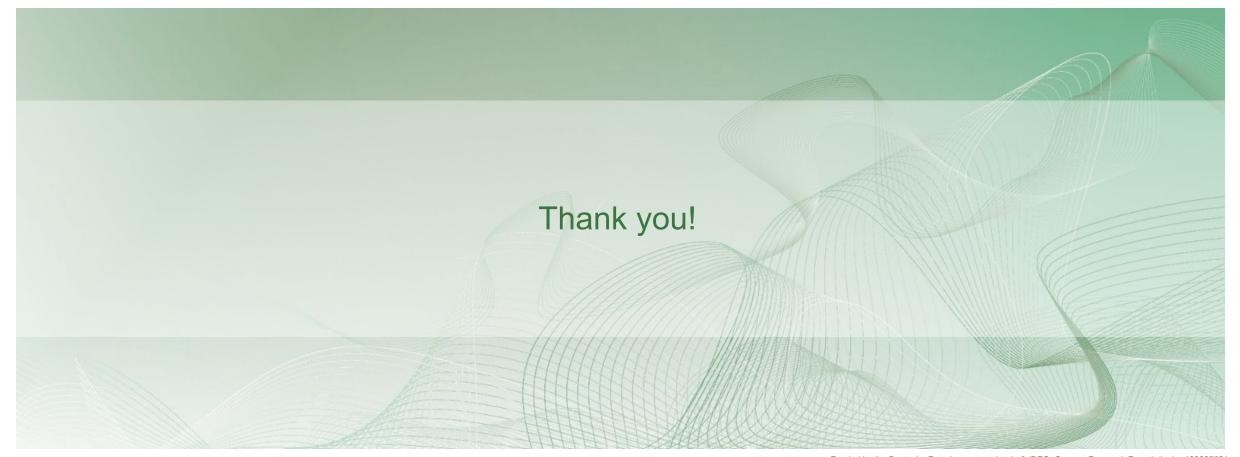


- For the economics topic women exhibit more trust in the Al article, consider the Al article to be more reliable and objective, and are more likely to recommend it further
- For men we observe the opposite effect









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References



- Kreps, S., McCain, R. M., & Brundage, M. (2022). All the news that's fit to fabricate: Al-generated text as a tool of media misinformation. *Journal of Experimental Political Science* 9(1), 104–117.
- Longoni, C., Fradkin, A., Cian, L., & Pennycook, G. (2021). News from artificial intelligence is believed less. *Working Paper*.