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Article Review #2: Investigating AI-Driven Cybercrime

This article “Investigating the Intersection of AI and Cybercrime: Risks, Trends, and Countermeasures.” by Sanaika Shetty, Kyung-Shick Choi, and Insun Park was published in the International Journal of Cybersecurity Intelligence & Cybercrime (Vol. 7, Issue 2, 2024). This study discusses the correlation between artificial intelligence and cybercrime; it highlights both the risks that AI pose and how it can be used as a countermeasure.

Connection to Social Science Principles

This article connects directly to core social science principles by looking at routine activities theory (RAT) to examine how humans interaction with technology may increase their exposure to cybercrime. Looking at it from a criminological perspective helps provide insight into behavioral patterns, which can help us create preventive measures.

The Study’s Hypothesis

The study investigates how the malicious use of AI can spread between both the dark and the clear web, and it hypothesizes that increased awareness and an overall good cyber hygiene can help reduce risks associated with AI-driven cybercrime.

Research Methods

This study used a variety of research methods, firstly quantitative data was scraped from various online forms, including dark web forms only accessed through the TOR network. On top

of this, interviews were also conducted to try and gain direct insight on a personal level, to better understand the relationship between social sciences and cybercrime.

Data & Analysis

The main data analysis showed common AI tools such as ChatGPT were being used for malicious purposes, such as creating malware or conducting phishing attacks. The interviews conducted shows that people are concerned about the dangers of AI, ethical issues, and whether current methods we have when it comes to cybersecurity are enough.

Connection to Course

This article directly ties into what we discuss in this class in terms of Cybersecurity & the Social Sciences. It highlights human behavioral patterns, as well as criminological patterns, which helps reinforce what this class is all about.

Impacts on Marginalized Groups

This research emphasizes how AI-driven cybercrime can impact marginalized groups through targeted misinformation. The article points out many ethical concerns regarding the social inequalities within biased algorithms.

Contributions to Society

This study helps provide insights for improving awareness about the risks of AI-driven cyber-attacks. It recommends policy changes and increased education in order to be more diligent against cyberattacks, especially as we move towards these AI-powered tools becoming the norm.

Conclusion

In conclusion, the article provides an in-depth explanation of AI's potential to both threaten cybersecurity but also improve it. The findings in the study shows the importance of good cyber hygiene, and effective policies in place.

Works Cited

Shetty, S., Choi, K., & Park, I. (2024). Investigating the Intersection of AI and Cybercrime: Risks, Trends, and Countermeasures. *International Journal of Cybersecurity Intelligence & Cybercrime*, 7(2), 28-53. [link](#)