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CYSE 201

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Article Review # 1 - Digital Criminal Investigations in the Era of Artificial Intelligence: A Comprehensive Overview

Relevance to Social Sciences

The article's topic relates to the social sciences through its exploration of digital criminal investigations in artificial intelligence (AI). It touches upon the intersection of technology, law, and societal norms, particularly focusing on privacy rights, legal frameworks, and the ethical implications of using AI in law enforcement. These are core concerns within the social sciences, which study human behavior and institutions.

Research Questions or Hypotheses

The article does not explicitly state its research questions or hypotheses, but it is investigating the challenges and opportunities presented by AI in digital criminal investigations, as well as the legal and ethical considerations involved.

Research Methods

The article is a comprehensive overview rather than an empirical study, so it employs a literature review methodology. It synthesizes information from various sources to discuss the role of AI in digital criminal investigations.

Data and Analysis

The article does not detail specific data collection or analysis methods, but it references various AI technologies and their applications in law enforcement, such as machine learning, deep learning, natural language processing, and expert systems. The analysis is qualitative, focusing on the implications of these technologies for privacy, legal standards, and investigative efficiency.

Concepts from PowerPoint Presentations

The article covers concepts such as AI transparency, privacy rights, and international legal frameworks, which are common topics about technology and society. These AI models and their applications align with the concepts of cognitive and behavioral theories by demonstrating how automated decision-making processes, language processing, image and video analysis, expert systems, and robotic automation contribute to the efficiency and accuracy of digital investigations.

Relation to Marginalized Groups

The article indirectly relates to marginalized groups by discussing privacy rights and the potential for AI to either uphold or violate these rights. Marginalized groups are often more vulnerable to privacy infringements and may be disproportionately affected by the deployment of AI in criminal investigations.

Contributions to Society

The article contributes to society by highlighting the importance of balancing the need for effective law enforcement with the protection of individual privacy rights. It suggests procedural and substantive measures to mitigate privacy violations and emphasizes the role of international organizations in establishing cybercrime frameworks. The article also discusses the potential of AI to improve the efficiency and accuracy of criminal investigations, which could lead to a more just legal system. In conclusion, the article provides a valuable discussion on the integration of AI in digital criminal investigations, addressing the social, legal, and ethical challenges that arise. It underscores the need for careful consideration of privacy rights and the potential for AI to transform law enforcement practices for the betterment of society.

References:

Faqir, R. S. A. (2023, Summer). Digital Criminal Investigations in the Era of Artificial Intelligence: A Comprehensive Overview. View of digital criminal investigations in the era of Artificial Intelligence: A comprehensive overview. https://cybercrimejournal.com/menuscript/index.php/cybercrimejournal/article/view/189/71