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Shaping the Future Together: The Inaugural Vision for AI and Tech in Behavioral and Social Sciences

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A B S T R A C T

In the realm of contemporary research, the fusion of artificial intelligence (AI) and social sciences stands as a beacon of interdisciplinary innovation, driving forward our understanding of technology's multifaceted impact on society. This integration, is not just a parallel growth of two fields but a necessary convergence that illuminates the societal ramifications of AI advancements. The exploration of AI's expected impacts through social science inquiries is pivotal, offering a lens to view AI's societal roles with greater clarity and depth. As we launch the inaugural issue of "AI and Tech in Behavioral and Social Sciences," our commitment is to forge a path for groundbreaking research that spans these diverse yet interconnected domains. Through this journal, we aspire to cultivate a rich discourse that not only advances scientific knowledge but also contributes to the ethical, inclusive, and socially responsible development of AI technologies. Our journey begins with a deep belief in the power of interdisciplinary research to illuminate the complexities of human behavior and societal transformation in the age of AI.

Keywords: *Artificial Intelligence, Technology, Behavioral Sciences, Social Sciences.*

In the realm of contemporary research, the fusion of artificial intelligence (AI) and social sciences stands as a beacon of interdisciplinary innovation, driving forward our understanding of technology's multifaceted impact on society. This integration, as highlighted by Ligo et al. (2021), is not just a parallel growth of two fields but a necessary convergence that illuminates the societal ramifications of AI advancements (Ligo et al., 2021). The exploration of AI's expected impacts through social science inquiries is pivotal, offering a lens to view AI's societal roles with greater clarity and depth.

As we explore the transformation of economies and societies through information and communication technologies (ICTs), underscored by scholars like Wajcman (2006), and the reshaping of industries and labor markets by AI, understanding these societal shifts becomes crucial for navigating the evolving landscape of work (Wajcman, 2006). Doubleday (2007) brings to light the importance of public engagement and reflexivity in AI development, advocating for a continuous dialogue among researchers,

policymakers, and the public to foster responsible and ethical advancements (Doubleday, 2007). The incorporation of science, technology, and society (STS) issues into education, as proposed by Pedersen & Totten (2001), addresses the need to equip students with critical thinking skills necessary for the complexities of a tech-driven world, preparing them for the ethical challenges ahead (Pedersen & Totten, 2001).

Moreover, the integration of AI technologies within the domain of physical training has not only yielded promising outcomes, but has also engendered the creation and development of innovative and groundbreaking methodologies for training purposes (Li, 2023). The impact of AI on sports extends beyond the confines of conventional boundaries, instigating a revolutionary shift in the analysis and consumption of sports by virtue of data-driven insights and the enhancement of overall performance (Chmait & Westerbeek, 2021). In the sphere of sports management, AI-driven systems are gradually supplanting traditional approaches, thereby fostering heightened efficiency and propelling advancements within the realm of physical education (Liu, 2022).

The ethical implications of AI's applications demand attention, with a growing call for equitable and socially just practices in science and technology (Waight et al., 2022). Research by Jabłońska & Zajdel (2020), Tong (2018), and Huang & Zhong (2023) highlights AI's potential in understanding complex human behaviors, its interdisciplinary nature fostering collaborations across fields, and the importance of ethical considerations in AI's development and deployment (Huang & Zhong, 2023; Jabłońska & Zajdel, 2020; Tong, 2018). The transformative potential of AI in healthcare is showcased in studies by Tamam & Tamam (2022) and Giri (2022), emphasizing AI's role in enhancing medical practices and revolutionizing diagnostic processes (Giri, 2022; Tamam & Tamam, 2022).

Educational frameworks for AI, highlighted by Allenbecky et al. (2021), and management and organizational behavior research by Fan et al. (2023) and Zhou et al. (2022), underscore the importance of preparing students, educators, and employees for the evolving AI landscape. These studies showcase AI's potential in improving human resource management practices and understanding the emotional aspects of decision-making in organizations (AllenBecky et al., 2021; Fan et al., 2023; Zhou et al., 2022). In the realm of patient care and mental health, studies by Hong et al. (2021), Liu & Song (2022), and Lei et al. (2023) demonstrate AI's capacity to enhance patient care, support mental well-being, and provide comprehensive intervention strategies through personalized interventions (Hong et al., 2021; Lei et al., 2023; Liu & Song, 2022).

As we launch the inaugural issue of "AI and Tech in Behavioral and Social Sciences," our commitment is to forge a path for groundbreaking research that spans these diverse yet interconnected domains. Through this journal, we aspire to cultivate a rich discourse that not only advances scientific knowledge but also contributes to the ethical, inclusive, and socially responsible development of AI technologies. Our journey begins with a deep belief in the power of interdisciplinary research to illuminate the complexities of human behavior and societal transformation in the age of AI.

Authors' Contributions

Not applicable.

Declaration

In order to correct and improve the academic writing of our paper, I have used the language model ChatGPT.

Transparency Statement

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Declaration of Interest

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Not applicable.

References

AllenBecky, Stephen, M., & DevlinMarie. (2021). Toward a Framework for Teaching Artificial Intelligence to a Higher Education Audience. *Acm Transactions on Computing Education*. https://doi.org/10.1145/3485062

Chmait, N., & Westerbeek, H. (2021). Artificial Intelligence and Machine Learning in Sport Research: An Introduction for Non-Data Scientists. *Frontiers in Sports and Active Living*. https://doi.org/10.3389/fspor.2021.682287

Doubleday, R. (2007). Risk, Public Engagement and Reflexivity: Alternative Framings of the Public Dimensions of Nanotechnology. *Health Risk & Society*. https://doi.org/10.1080/13698570701306930

Fan, X., Zhao, S., Zhang, X., & Meng, L. (2023). The Impact of Improving Employee Psychological Empowerment and Job Performance Based on Deep Learning and Artificial Intelligence. *Journal of Organizational and End User Computing*. https://doi.org/10.4018/joeuc.321639

Giri, D. (2022). Artificial Intelligence - Future Trend in Oral Diagnosis and Radiology. *International Journal of Current Science Research and Review*. https://doi.org/10.47191/ijcsrr/v5-i9-18

Hong, L., Cheng, X., & De-ming, Z. (2021). Application of Artificial Intelligence in Emergency Nursing of Patients With Chronic Obstructive Pulmonary Disease. *Contrast Media & Molecular Imaging*. https://doi.org/10.1155/2021/6423398

Huang, H., & Zhong, S. (2023). Application of Marxist-Based Science and Technology Theory in the Ethical Review of Artificial Intelligence Robots. https://doi.org/10.21203/rs.3.rs-2767750/v1

Jabłońska, M. R., & Zajdel, R. (2020). Artificial Neural Networks for Predicting Social Comparison Effects Among Female Instagram Users. *PLoS One*. https://doi.org/10.1371/journal.pone.0229354

Lei, L., Li, J., & Li, W. (2023). Assessing the Role of Artificial Intelligence in the Mental Healthcare of Teachers and Students. *Soft Computing*. https://doi.org/10.1007/s00500-023-08072-5

Li, Z. (2023). The Application of Artificial Intelligence Technology in Physical Training. *Highlights in Science Engineering and Technology*. https://doi.org/10.54097/hset.v39i.6931

Ligo, A. K., Rand, K., Bassett, J., Galaitsi, S., Trump, B. D., Jayabalasingham, B., Collins, T. R., & Linkov, I. (2021). Comparing the Emergence of Technical and Social Sciences Research in Artificial Intelligence. *Frontiers in Computer Science*. https://doi.org/10.3389/fcomp.2021.653235

Liu, G. (2022). Physical Education Resource Information Management System Based on Big Data Artificial Intelligence. *Mobile Information Systems*. https://doi.org/10.1155/2022/3719870

Liu, Y., & Song, J.-H. (2022). Predictive Analysis of the Psychological State of Charismatic Leaders on Employees' Work Attitudes Based on Artificial Intelligence Affective Computing. *Frontiers in psychology*. https://doi.org/10.3389/fpsyg.2022.965658

Pedersen, J. E., & Totten, S. (2001). Beliefs of Science Teachers Toward the Teaching of Science/Technological/Social Issues: Are We Addressing National Standards? *Bulletin of Science Technology & Society*. https://doi.org/10.1177/027046760102100507

Tamam, M., & Tamam, M. C. (2022). Artificial Intelligence Technologies in Nuclear Medicine. *World Journal of Radiology*. https://doi.org/10.4329/wjr.v14.i6.151

Tong, J. (2018). Research on the Influence of the New Media Era on the Rise and Development of Artificial Intelligence Technology. https://doi.org/10.25236/socsem.2018.60

Waight, N., Kayumova, S., Tripp, J., & Achilova, F. (2022). Towards Equitable, Social Justice Criticality: Re-Constructing the “Black” Box and Making It Transparent for the Future of Science and Technology in Science Education. *Science & Education*. https://doi.org/10.1007/s11191-022-00328-0

Wajcman, J. (2006). New Connections: Social Studies of Science and Technology and Studies of Work. *Work Employment and Society*. https://doi.org/10.1177/0950017006069814

Zhou, Y., Zhang, T., Zhang, L., Xue, Z., Bao, M., & Liu, L. (2022). A Study on the Cognition and Emotion Identification of Participative Budgeting Based on Artificial Intelligence. *Frontiers in psychology*. https://doi.org/10.3389/fpsyg.2022.830342