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Research Article

# Artificial Intelligence and Ethics: Navigating the Social Implication's of AI in Everyday Life

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**Abstract:** Artificial Intelligence (AI) has become deeply embedded in modern society, shaping numerous facets of daily life, from healthcare to social media. While AI brings considerable advantages, such as increased efficiency and personalized services, it also introduces significant ethical challenges that require careful consideration. This paper examines the social implications of AI, particularly focusing on critical ethical issues like accountability, transparency, human-AI interaction, and the necessity for regulatory frameworks. By analyzing AI's impact in areas such as medical diagnostics, law enforcement, and information dissemination, the paper underscores both the transformative potential of AI and the associated risks if it is not managed responsibly. The research highlights the crucial need for strong ethical guidelines and policies to ensure that AI technologies are implemented in ways that reflect societal values and enhance human welfare. The goal is to contribute to the ongoing conversation on AI ethics and to provide a basis for future research and policy initiatives in this essential field.

**Keywords:** Artificial Intelligence, Ethics, Accountability, Transparency, Human-AI Interaction

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## 1. Introduction

Artificial Intelligence (AI) has seamlessly integrated into our daily routines, influencing numerous facets of contemporary society. From the algorithms that recommend content on streaming platforms to the advanced virtual assistants that assist with everyday tasks, AI is playing an increasingly significant role in how we interact with the world. The swift progress in AI technology has led to various benefits, including greater efficiency, better decision-making, and fresh avenues for innovation. However, this widespread adoption also brings forth important ethical challenges that must be carefully considered. As noted by Russell and Norvig (2020), "AI systems are not just tools; they are participants in social processes". This observation underscores the need to consider not only the technical capabilities of AI but also the ethical implications of its widespread use.

The evolution of AI from a futuristic concept to a tangible reality has been swift, driven by advancements in machine learning, natural language processing, and robotics. Today, AI is no longer confined to the realms of science fiction; it is embedded in everyday objects and systems, influencing everything from healthcare to law enforcement. This paper seeks to explore the ethical challenges that arise from the integration of AI into daily life, focusing on the social implications that these technologies bring. Specifically, the paper will address issues related to privacy, accountability, bias, and the overall impact of AI on human behavior and societal norms. Given the transformative potential of AI, it is imperative to engage in a thoughtful examination of its ethical dimensions. This exploration is crucial not only for understanding the current landscape but also for guiding the responsible development and deployment of AI in the future. As AI continues to

evolve, so too must our ethical frameworks and policies, ensuring that these powerful technologies are used in ways that benefit society while minimizing harm.

### 1.1. Purpose of the Paper

This paper aims to critically explore the ethical challenges posed by the increasing integration of artificial intelligence (AI) into various aspects of daily life. While AI holds the promise of transforming industries, boosting efficiency, and solving complex problems, it also introduces significant ethical concerns that must not be ignored. These concerns include issues such as privacy, bias, accountability, and the risk of AI exacerbating social inequalities. As AI systems become more embedded in society, their decisions can have profound impacts, influencing not only individual lives but also broader societal norms and values. Addressing these ethical implications is crucial to ensure that AI is developed and implemented in ways that align with societal goals like fairness, justice, and respect for human rights. Without a strong ethical focus, AI could reinforce existing biases, cause unintentional harm, or be misused in ways that could undermine democratic processes and public trust. As AI systems become increasingly autonomous and capable of making decisions independently of human oversight, the issue of accountability becomes more critical. Who is responsible when an AI system errs or causes harm? How can we ensure transparency in AI systems so that their decision-making processes are clear and subject to scrutiny? This paper aims to explore these pressing questions by analyzing the current ethical landscape of AI, identifying key challenges, and proposing guidelines for the responsible development and use of AI technologies. In doing so, it seeks to contribute to the broader conversation on AI ethics and lay the groundwork for future research and policy-making. Ultimately, the goal is to ensure that AI is harnessed as a positive force, enhancing human well-being while minimizing potential risks.

### 1.2. Research Questions

The paper aims to answer the following key research questions:

- How does AI influence social behavior and interactions in everyday life?
- What ethical challenges arise from the integration of AI into daily routines and societal structures?
- In what ways does AI impact privacy and data security, and what are the ethical implications of this impact?
- How does AI contribute to or mitigate bias and discrimination within various societal contexts?
- What are the challenges of accountability and responsibility when AI systems cause harm or make decisions without human intervention?
- How can ethical guidelines and regulatory frameworks be developed to address the social implications of AI?
- What role do different stakeholders (e.g., governments, corporations, individuals) play in ensuring the ethical deployment of AI technologies?

### 1.3. Scope and Significance

The scope of this paper encompasses a comprehensive examination of the ethical implications of artificial intelligence (AI) as it integrates into various aspects of daily life. The analysis will span multiple domains, including social behavior, privacy, bias, accountability, and the broader societal impact of AI. By exploring these areas, the paper will provide a detailed understanding of how AI is reshaping human interactions and societal structures, as well as the ethical challenges that accompany this transformation. The study will draw on existing literature, case studies, and ethical frameworks to offer a thorough analysis of the current state of AI ethics.

The significance of this paper lies in its contribution to the ongoing discourse on AI ethics at a time when these technologies are rapidly advancing and becoming more pervasive. As AI continues to influence various facets of life—from healthcare and education to law enforcement and social me-

dia—it is crucial to address the ethical questions that arise from its use. By identifying potential risks and proposing ethical guidelines, this paper aims to inform policymakers, technologists, and the broader public about the importance of responsible AI development and deployment. Ultimately, the insights provided in this paper will help guide the ethical integration of AI into society, ensuring that these powerful technologies contribute positively to human well-being while minimizing potential harms.

### 1.4. Objective

The primary objective of this paper is to critically examine the ethical implications of artificial intelligence (AI) in everyday life, focusing on how these technologies influence social behavior, privacy, and accountability. The paper seeks to identify key ethical challenges associated with AI's integration into society and to propose guidelines and best practices for the responsible development and use of AI, ensuring that these technologies align with ethical principles and contribute positively to human well-being.

## 2. Literature Review

### 2.1. Historical Context of AI and Ethics

The ethical considerations surrounding artificial intelligence (AI) have evolved significantly since the inception of the field. The concept of AI dates back to the mid-20th century, when pioneers like Alan Turing and John McCarthy laid the groundwork for what would become a rapidly advancing technological field. Turing's seminal paper, "Computing Machinery and Intelligence," posed the famous question, "Can machines think?" (Turing and A.M., 1950). This question not only sparked the development of AI but also raised early ethical concerns about the nature of machine intelligence and its potential impact on society.

During the early stages of AI development, ethical discussions were largely theoretical, centered on philosophical debates about the nature of consciousness, intelligence, and the possibility of creating machines that could replicate or surpass human cognitive abilities. As AI research progressed through the 1960s and 1970s, ethical considerations began to take on more practical dimensions, particularly with the advent of expert systems that could make decisions based on complex algorithms. Researchers and ethicists started to question the potential consequences of delegating decision-making to machines, especially in areas where human lives were at stake, such as healthcare and military applications (McCarthy, 2004).

By the 1980s and 1990s, AI had made significant strides, and ethical concerns became more pronounced as the technology began to be implemented in real-world applications. This period saw the rise of discussions around the societal impact of AI, including issues of privacy, bias, and the potential for job displacement due to automation. The development of autonomous systems, such as self-driving cars and automated weapons, further intensified these ethical debates. Scholars like Agassi and his colleagues (1976) argued that certain decisions should never be entrusted to machines, no matter how sophisticated, emphasizing the moral and ethical responsibilities of AI developers and users.

In recent years, the ethical discourse around AI has expanded to include concerns about the transparency and explainability of AI systems, the potential for AI to perpetuate or exacerbate social inequalities, and the broader implications of AI on human autonomy and agency. As AI continues to evolve and integrate into nearly every aspect of daily life, the ethical considerations have become more complex, requiring multidisciplinary approaches that encompass technical, philosophical, legal, and social perspectives. The historical development of AI ethics reflects a growing recognition of the need to balance technological innovation with ethical responsibility, ensuring that AI contributes to the betterment of society rather than its detriment.

### 2.1. Current Debates and Perspectives

| Title | Methodology | Results | Implications | Citation |
|---|---|---|---|---|
| Ethical AI by Design | Literature review of | Ethical AI requires | Emphasizes the need for | Binns and Reuben (2017) |

| | | | | |
|---|---|---|---|---|
| | ethical design principles in AI development. | integrating fairness, accountability, and transparency from the start. | ethical considerations in every phase of AI development. | |
| Bias and Fairness in AI | Empirical analysis of AI algorithms in criminal justice and hiring. | Found significant biases in AI algorithms, particularly against minority groups. | Highlights the necessity of addressing bias in AI systems to avoid perpetuating societal inequalities. | Chouldechova A. (2017). |
| The Transparency Dilemma | Comparative study of AI decision-making processes and public understanding. | Transparency in AI is challenging due to the complexity of algorithms, but essential for trust. | Suggests that improving AI transparency is critical for public trust and accountability. | Saluja et al., (2021). |
| AI and Privacy: A Balancing Act | Case study analysis of AI applications in healthcare and surveillance. | AI in healthcare improves outcomes but raises significant privacy concerns, especially in data handling. | Calls for robust privacy protections and ethical guidelines to balance benefits and risks. | Mittelstadt et al., (2016) |
| Accountability in AI | Theoretical exploration of accountability frameworks in autonomous systems. | Current frameworks are inadequate for addressing accountability in AI, especially in autonomous systems. | Proposes new models of accountability that incorporate both technical and legal perspectives. | Nemitz, Paul. (2018) |
| AI and Ethical Decision-Making | Survey of ethical decision-making frameworks applied to AI. | Ethical AI requires contextual decision-making frameworks tailored to specific applications. | Recommends the development of flexible, context-aware ethical decision-making processes in AI. | Wiegel, Vincent. (2010) |
| AI in Social Media: Manipulation and | Experimental study of AI algorithms in social | AI-driven content recommendation systems | Urges the implementation of ethical guidelines to | Hongladarom, Soraj. (2020) |

| | | | | |
|---|---|---|---|---|
| Influence | media platforms. | can manipulate user behavior and opinions. | prevent AI from being used to manipulate public opinion. | |
| Autonomous Weapons and Ethical Concerns | Policy analysis of the development and deployment of autonomous weapons systems. | Autonomous weapons pose serious ethical risks, including loss of human control over lethal decisions. | Calls for international regulations to govern the development and use of autonomous weapons. | SPARROW, ROBERT. (2007) |
| AI and the Future of Work | Economic analysis of the impact of AI on the labor market. | AI is likely to displace many jobs, particularly in low-skill sectors, while creating new opportunities in tech and AI-related fields. | Highlights the need for policies that manage the transition and provide retraining programs for displaced workers. | Köse, Utku. (2016) |
| AI, Ethics, and Healthcare | Review of ethical issues in the application of AI in healthcare. | AI can improve patient outcomes but raises concerns about consent, bias, and the doctor-patient relationship. | Advocates for patient-centered ethical guidelines and oversight in the implementation of AI in healthcare. | Topol, E. (2019) |
| AI and Democracy: Risks and Opportunities | Analysis of the impact of AI on democratic processes. | AI can both enhance and undermine democratic processes, depending on its application. | Recommends stringent regulations to prevent AI from being used to undermine democracy, such as in disinformation campaigns. | Helbing et al., (2019). |
| AI and Bias in Criminal Justice | Examination of AI applications in predictive policing and judicial decision-making. | Found that AI systems often reflect and exacerbate existing biases in criminal justice. | Highlights the need for careful design and oversight of AI systems used in criminal justice to avoid reinforcing racial | Gordon, Faith. (2019). |

| | | | | |
|---|---|---|---|---|
| | | | and socioeconomic biases. | |
| The Ethics of AI in Autonomous Vehicles | Ethical analysis of decision-making in autonomous vehicle technology. | Autonomous vehicles face complex ethical dilemmas, such as choosing between two harmful outcomes in unavoidable accident scenarios. | Calls for the development of clear ethical guidelines for decision-making in autonomous vehicles, ensuring transparency and public trust. | Lin, Patrick. (2016). |
| AI in Healthcare: Opportunities and Ethical Challenges | Analysis of AI's role in healthcare with a focus on ethical challenges such as patient autonomy, informed consent, and data privacy. | While AI can significantly improve healthcare outcomes, it raises concerns about data security, patient consent, and the erosion of the doctor-patient relationship. | Emphasizes the need for a patient-centered approach in AI healthcare applications and the establishment of strict data protection measures. | Agarwal et al., (2010) |

## 2.3. Gaps in Existing Research

Despite the growing body of literature on the ethical implications of artificial intelligence (AI), several critical gaps remain that warrant further investigation. One significant area where research is lacking is the intersection of AI ethics and global diversity. Most existing studies are centered on Western perspectives, often overlooking how cultural, social, and economic differences across various regions influence the ethical considerations and impacts of AI. This narrow focus limits the applicability of ethical frameworks on a global scale, underscoring the need for more inclusive research that takes into account diverse cultural and societal contexts (Mittelstadt et al., 2016). Another gap in the current research is the long-term societal impact of AI, particularly regarding how these technologies might alter human relationships, social structures, and individual identity over time. While short-term effects such as job displacement and privacy concerns have been widely discussed, there is insufficient exploration of how AI might reshape fundamental aspects of human life in the decades to come. This includes the potential for AI to influence human values, behaviors, and even the concept of personhood, as AI systems become more integrated into personal and social spheres (Černý, Michal., 2020).

Additionally, the ethical implications of AI in specific sectors, such as education and social services, remain underexplored. While considerable attention has been given to the ethics of AI in areas like healthcare and criminal justice, other fields where AI is rapidly gaining ground have not received the same level of scrutiny. For instance, AI-driven personalized learning tools are transforming education, yet there is limited research on the ethical considerations surrounding student privacy, data ownership, and the potential for algorithmic bias in educational outcomes (Selwyn, Neil., 2024). Furthermore, there is a pressing need for empirical research on the effectiveness of existing ethical guidelines and frameworks. While numerous theoretical models have been proposed, there is little empirical evidence to support their efficacy in real-world applications. This gap highlights the necessity for studies that evaluate the practical

implementation of ethical AI frameworks, including their ability to mitigate bias, ensure transparency, and uphold accountability in various contexts (Jobin et al., 2019).

## 3. The Social Implications of AI

### AI in Daily Life

Artificial intelligence (AI) has become deeply embedded in the fabric of daily life, influencing a wide range of routine activities through smart devices, online algorithms, and other AI-driven technologies. From the smartphones in our pockets to the smart home systems that regulate our environments, AI is constantly at work, often in ways that are invisible to users. For instance, recommendation algorithms on platforms like Netflix and Amazon use AI to analyze user behavior and suggest content or products, thus shaping consumer choices and preferences (Shin, Donghee, 2020). Similarly, AI-driven personal assistants, such as Siri or Alexa, perform tasks that range from setting reminders to controlling smart home devices, making them integral to the way many people manage their daily routines. While these technologies offer convenience and efficiency, they also raise questions about user autonomy and the potential for AI to subtly influence behavior in ways that users may not fully understand or consent to (Hongladarom, Soraj., 2020).

### Impact on Employment

The impact of AI on employment is one of the most discussed social implications, with AI technologies transforming the job market by automating tasks traditionally performed by humans. Automation driven by AI has led to significant efficiency gains in various industries, particularly in the manufacturing, logistics, and service sectors. However, this transformation also raises concerns about job displacement, as machines increasingly take over roles that once required human labor. According to a study by Köse, Utku. (2016), AI and automation could potentially replace up to 47% of current jobs, particularly those involving routine, repetitive tasks. While AI is expected to create new job opportunities, especially in tech and data science fields, the transition could lead to significant short-term disruptions in the labor market, disproportionately affecting low-skill workers who may find it challenging to transition to new roles (Frey et al., 2017). This shift necessitates policies focused on retraining and upskilling workers to ensure that the benefits of AI are broadly shared across the workforce.

### Privacy Concerns

AI's pervasive role in data collection and analysis has profound privacy implications. AI systems are increasingly used to gather, process, and analyze vast amounts of personal data, often without individuals' explicit consent. This data is used to improve the functionality of AI-driven applications, such as personalized advertising, predictive policing, and even healthcare diagnostics. However, the sheer scale and scope of data collection raise significant privacy concerns, particularly regarding how this data is stored, who has access to it, and how it might be used (Floridi and Luciano, 2020).

### Bias and Discrimination

AI systems, while often perceived as objective, can perpetuate or even exacerbate social biases, leading to discriminatory outcomes. This occurs because AI algorithms are trained on historical data that may contain biases reflecting societal inequalities. For instance, facial recognition technologies have been shown to exhibit racial and gender biases, with significantly higher error rates for individuals with darker skin tones and women (Buolamwini et al., 2018).

## 4. Ethical Challenges in AI

When AI systems fail or cause harm, determining accountability and responsibility becomes a significant ethical challenge. Unlike traditional technologies, AI systems often operate autonomously, making decisions without direct human intervention. This raises questions about who should be held accountable when these systems malfunction or produce harmful outcomes. Is it the developers who designed the algorithms, the organizations that deployed the AI, or the users who rely on the system? This ambiguity creates a "responsibility gap," where it is unclear

who should be liable for the actions of autonomous AI systems (Matthias and Andreas., 2004). This gap poses a serious ethical and legal challenge, as existing frameworks are often ill-equipped to handle the complexities of AI accountability.

Transparency and explainability are equally critical ethical issues in AI. Many AI systems, particularly those that use machine learning, operate as "black boxes," where the processes leading to a decision are not easily understood, even by the developers themselves (Saluja et al., 2021). This lack of transparency can undermine trust in AI systems, especially in critical areas like healthcare, finance, and criminal justice, where understanding the rationale behind AI decisions is essential. Explainability is not just about making AI systems technically transparent; it also involves making these systems understandable to the people affected by their decisions, thereby enabling them to challenge or question the outcomes if necessary (Lipton and Zachary., 2018). The push for more explainable AI systems is driven by the need to ensure that AI operates in ways that are fair, accountable, and aligned with societal values.

As AI systems become more integrated into daily life, the ethical considerations surrounding human-AI interaction become increasingly important. There is a growing concern that over-reliance on AI could diminish human autonomy and critical thinking. As people increasingly depend on AI for decision-making and problem-solving, they may begin to trust these systems too much, potentially leading to a reduction in human agency and the erosion of essential cognitive skills (Gordon, Faith., 2019). Furthermore, as AI systems become more human-like in their interactions, ethical questions about the treatment of AI entities and the balance between human and machine roles arise. These concerns highlight the need for ethical frameworks that ensure AI enhances rather than diminishes human capabilities and respects human dignity.

## 5. Case Studies

### Example 1: AI in Healthcare

AI-driven technologies are revolutionizing healthcare, particularly in the areas of medical diagnostics and treatment planning. These systems leverage vast amounts of data to identify patterns and make predictions that can enhance the accuracy of diagnoses and suggest personalized treatment options. For example, AI algorithms have shown promise in detecting diseases like cancer at earlier stages than traditional methods (Esteva et al., 2017). However, the use of AI in healthcare raises significant ethical considerations. One major concern is the potential for AI systems to make decisions that are difficult for patients or healthcare providers to understand, potentially undermining informed consent. Additionally, AI systems trained on biased data may produce unequal outcomes for different demographic groups, leading to disparities in healthcare access and quality (Obermeyer et al., 2019). Another ethical issue is the responsibility and accountability for AI-driven decisions. If an AI system makes a diagnostic error that harms a patient, it is unclear who should be held accountable—the healthcare provider, the AI developer, or the AI itself. These challenges highlight the need for careful consideration of ethical principles in the design, deployment, and use of AI in healthcare.

### Example 2: AI in Law Enforcement

The use of AI in law enforcement, particularly in predictive policing and surveillance, presents complex ethical dilemmas. Predictive policing algorithms analyze historical crime data to forecast where crimes are likely to occur, allowing law enforcement agencies to allocate resources more efficiently. However, these systems can reinforce existing biases in policing, as they often rely on data that reflect discriminatory practices, such as over-policing in minority communities (Veluru, Chandra., 2024). This can result in a feedback loop where biased data leads to biased predictions, which in turn justify continued biased practices. Moreover, the use of AI for surveillance, such as facial recognition technology, raises significant privacy concerns. These systems can track individuals in public spaces without their knowledge or consent, leading to a potential erosion of civil liberties. The lack of transparency in how these AI systems operate further complicates the ethical landscape, as it is often unclear how decisions are made and whether they are fair. These issues underscore the need for stringent regulations and oversight to ensure that AI in law enforcement is used in a way that respects human rights and promotes justice.

### Example 3: AI in Social Media

AI algorithms play a critical role in shaping the content that users see on social media platforms, influencing information dissemination and public opinion. These algorithms are designed to maximize user engagement by curating content that aligns with individual preferences, which can lead to the creation of echo chambers where users are exposed primarily to information that reinforces their existing beliefs (Pariser, 2011). This phenomenon can contribute to the polarization of public discourse and the spread of misinformation, as sensational or misleading content is often more engaging and therefore more likely to be promoted by AI-driven recommendation systems (Vosoughi et al., 2018). The ethical implications of AI in social media extend to issues of accountability and transparency. Social media companies often provide little insight into how their algorithms function, making it difficult for users to understand how their content is being curated and why certain information is being prioritized. This lack of transparency raises concerns about the manipulation of public opinion and the potential for AI to undermine democratic processes. Addressing these ethical challenges requires greater transparency from social media companies and the development of ethical guidelines that prioritize the public good over commercial interests.

## 7. Conclusion and future outlook

In conclusion, the integration of artificial intelligence (AI) into everyday life presents both immense opportunities and significant ethical challenges. As AI continues to advance, it is reshaping industries, influencing social behaviors, and driving innovations that have the potential to improve quality of life. However, these benefits come with complex ethical dilemmas related to accountability, transparency, privacy, and bias. The case studies discussed in this paper—spanning healthcare, law enforcement, and social media—highlight the profound impact of AI on critical areas of society, demonstrating both its transformative potential and the risks it poses if not carefully managed.

Looking to the future, it is imperative that stakeholders—including governments, technologists, ethicists, and the public—collaborate to develop robust ethical frameworks and regulatory policies that can keep pace with AI's rapid evolution. These frameworks should prioritize the protection of human rights, ensure fairness and justice, and promote transparency and accountability in AI systems. Furthermore, as AI becomes more integrated into global society, there is a need for inclusive research that considers diverse cultural and social contexts, ensuring that ethical guidelines are applicable and effective worldwide. The future of AI will also depend on continuous advancements in technology that address current limitations, such as improving the explainability of AI decisions and reducing biases in AI systems. Additionally, as AI technologies become more sophisticated, ethical considerations surrounding human-AI interaction will become increasingly important, requiring ongoing dialogue and adaptation of ethical standards. By proactively addressing these challenges, we can harness the power of AI to drive positive societal change while minimizing potential harms, ensuring that AI serves as a force for good in the world.

## References


1. Russell SJ, Norvig P. Artificial intelligence: a modern approach. Pearson; 2016.
2. McCarthy J. What is artificial intelligence.
3. Turing AM. Computing machinery and intelligence. Springer Netherlands; 2009.
4. Agassi J. Computer Power and Human Reason: From Judgment to Calculation by Joseph Wiezenbaum. Technology and Culture. 1976;17(4):813-6.
5. Binns R. Fairness in machine learning: Lessons from political philosophy. InConference on fairness, accountability and transparency 2018 Jan 21 (pp. 149-159). PMLR.
6. Brynjolfsson E. The second machine age: Work, progress, and prosperity in a time of brilliant technologies.

7. Chouldechova A. Fair prediction with disparate impact: A study of bias in recidivism prediction instruments. Big data. 2017 Jun 1;5(2):153-63.
8. Saluja R, Malhi A, Knapič S, Främling K, Cavdar C. Towards a rigorous evaluation of explainability for multivariate time series. arXiv preprint arXiv:2104.04075. 2021 Apr 6.
9. Mittelstadt BD, Floridi L. The ethics of big data: current and foreseeable issues in biomedical contexts. The ethics of biomedical big data. 2016:445-80.
10. Nemitz P. Constitutional democracy and technology in the age of artificial intelligence. Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences. 2018 Nov 28;376(2133):20180089.
11. Wiegel V. Wendell Wallach and Colin Allen: moral machines: teaching robots right from wrong: Oxford University Press, 2009, 273 pp, ISBN: 978-0-19-537404-9.
12. Hongladarom S. Shoshana Zuboff, The age of surveillance capitalism: the fight for a human future at the new frontier of power: New York: Public Affairs, 2019, 704 pp. ISBN 978-1-61039-569-4 (hardcover) 978-1-61039-270-0 (ebook).
13. Sparrow R. Killer robots. Journal of applied philosophy. 2007 Feb;24(1):62-77.
14. Topol E. Deep medicine: how artificial intelligence can make healthcare human again. Hachette UK; 2019 Mar 12.
15. Helbing D, Frey BS, Gigerenzer G, Hafen E, Hagner M, Hofstetter Y, Van Den Hoven J, Zicari RV, Zwitter A. Will democracy survive big data and artificial intelligence?. Towards digital enlightenment: Essays on the dark and light sides of the digital revolution. 2019:73-98.
16. Gordon F. Virginia Eubanks (2018) Automating Inequality: How High-Tech Tools Profile, Police, and Punish the Poor. New York: Picador, St Martin's Press. Law, Technology and Humans. 2019 Nov 25:162-4.
17. Lin P. Why ethics matters for autonomous cars. Autonomous driving: Technical, legal and social aspects. 2016:69-85.
18. Agarwal R, Gao G, DesRoches C, Jha AK. Research commentary—The digital transformation of healthcare: Current status and the road ahead. Information systems research. 2010 Dec;21(4):796-809.
19. Cerny M. The Logic of Information: A Theory of Philosophy as Conceptual Design.
20. Jobin A, Ienca M, Vayena E. The global landscape of AI ethics guidelines. Nature machine intelligence. 2019 Sep;1(9):389-99.

21. Selwyn N. On the limits of artificial intelligence (AI) in education. Nordisk tidsskrift for pedagogikk og kritikk. 2024;10(1):3-14.
22. Shin D. User perceptions of algorithmic decisions in the personalized AI system: Perceptual evaluation of fairness, accountability, transparency, and explainability. Journal of Broadcasting & Electronic Media. 2020 Oct 1;64(4):541-65.
23. Frey CB, Osborne MA. The future of employment: How susceptible are jobs to computerisation?. Technological forecasting and social change. 2017 Jan 1;114:254-80.
24. Floridi L. AI and its new winter: From myths to realities. Philosophy & Technology. 2020 Mar;33:1-3.
25. Buolamwini J, Gebru T. Gender shades: Intersectional accuracy disparities in commercial gender classification. InConference on fairness, accountability and transparency 2018 Jan 21 (pp. 77-91). PMLR.
26. Saluja R, Malhi A, Knapič S, Främling K, Cavdar C. Towards a rigorous evaluation of explainability for multivariate time series. arXiv preprint arXiv:2104.04075. 2021 Apr 6.
27. Gordon F. Virginia Eubanks (2018) Automating Inequality: How High-Tech Tools Profile, Police, and Punish the Poor. New York: Picador, St Martin's Press. Law, Technology and Humans. 2019 Nov 25:162-4.
28. Lipton ZC. The mythos of model interpretability: In machine learning, the concept of interpretability is both important and slippery. Queue. 2018 Jun 1;16(3):31-57.
29. Matthias A. The responsibility gap: Ascribing responsibility for the actions of learning automata. Ethics and information technology. 2004 Sep;6:175-83.
30. Matthias A. The responsibility gap: Ascribing responsibility for the actions of learning automata. Ethics and information technology. 2004 Sep;6:175-83.
31. Obermeyer Z, Powers B, Vogeli C, Mullainathan S. Dissecting racial bias in an algorithm used to manage the health of populations. Science. 2019 Oct 25;366(6464):447-53.
32. Pariser E. The filter bubble: What the Internet is hiding from you. penguin UK; 2011 May 12.
33. Veluru CS. Responsible Artificial Intelligence on Large Scale Data to Prevent Misuse, Unethical Challenges and Security Breaches. Journal of Artificial Intelligence & Cloud Computing. SRC/JAICC-349. DOI: doi. org/10.47363/JAICC/2024 (3). 2024;331:2-6.
34. Vosoughi S, Roy D, Aral S. The spread of true and false news online. science. 2018 Mar 9;359(6380):1146-51.

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