Report on:

AI in Governance, Elections, and Public Policy

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Date Submitted: 2026 / 1 / 17

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Abstract

This report studies the way Artificial Intelligence (AI) is used in governance, elections, and public policy, and the ethical challenges that come with it. AI can help governments reduce worktime, better data management, and improve voter engagement. Using AI also comes with the risk of spreading fake videos and photos (deepfakes), unfair decisions according to the different situation, and can cause trust issues in public due to improper reasoning in decision making in important works. This report shows how AI can cause issues and weakens independent system if it is not controlled appropriately. It also shows the efforts to control the use of AI in public organizations nationally and internationally. The study shows even if the AI can improve the efficiency, it needs a strong ethical and legal framework. AI that are responsible requires balancing innovation with the protection of civil liberties and democratic values.

Key Words: Artificial Intelligence, Governance, Elections, Deepfakes, Public Policy, Democratic Integrity, Algorithmic Accountability

1. Introduction

Artificial Intelligence (AI) is rapidly shaping the way governments operate, manage elections, and develop public policies. AI is being used by many governments with a goal of analyzing large data, better decision making and providing quick and better public service. AI can give more accurate and efficient result in less investment. Still, there is serious ethical, social and moral risks that needs to be addressed precisely due to the rapid growth of AI in public life.

AI systems can cause lack of transparency which is often the main ethical problems. The system which is called "black boxes" makes decisions without showing the way it made or reached to particular decision. It could be difficult for the citizens to question or challenge the outcome that affects their lives due to the lack of transparency and use of AI in public organizations, policing and welfare distribution. The problem becomes even more serious in elections. AI-generated deepfakes and misleading content can manipulate voters, spread false information, and damage trust in democratic institutions.

Ethical AI in governance should be based on fairness, transparency, accountability, and human control. AI systems must treat minorities fairly and should always remain under meaningful human oversight. To achieve this, governments and policymakers must go beyond voluntary guidelines and adopt enforceable laws and regulations. This report looks at the ethical problems

of using AI in politics and policy making. It explores how we can make sure AI is used to help democracy, rather than hurt it.

2. Thematic Review – Key Ethical Challenges and Emerging Debates in AI

The use of AI in governance and elections introduces several complex ethical challenges. This section focuses on three major issues: political misinformation, risks linked to algorithmic governance, and the impact of AI on public trust and democracy.

Deepfakes, Disinformation, and Electoral Integrity

Political misinformation is one of the worst dangers AI has to the democratic system. The contemporary AI systems are capable of producing incredibly realistic deepfakes in the form of video, photo, or audio. These have the ability to misrepresent political leaders as saying or doing things that they have never done. This content may be viral on the social media and sway the voters before being rectified.

In contrast to the traditional misinformation, AI-generated disinformation may be directed to particular groups, supporting the existing beliefs and making populations more political. This lowers the trust in the election and democracy when the citizens cannot differentiate between the information that is authentic and the one that is fake. This imposes an ethical burden on the governments, media platforms, and technology companies to identify and curb the abuse of AI generated political content.

Algorithmic Governance and the "Black Box" Problem

The power of AI systems has been experienced in the governments that have made their practices more effective in terms of policing, urbanization and welfare services. There exist also serious risks of ethical threat of these systems but they can handle the data even faster compared to humans. An issue of the algorithmic opacity in which the decision-making process is obscure or incomprehensible is one of the problems.

As an example, an AI system will not provide an individual with any social benefits or may label the individual as a security threat, the latter will be unaware of the fact that there has been an action and how to dispute it. Besides, the AI systems may be trained on previous data that is both social or racially biased. Such systems thus can prove to be unfair to certain communities and continue creating inequalities. This is not one of the features of transparency and fairness which challenges the concept of democracy that the governmental decisions must be answerable and open to criticism.

Threats to Public Trust and Democracy

The abuse of AI applications in governance may decrease the trust of the population and undermine democracy. The utilization of AI-driven surveillance systems, including facial recognition, can endanger the privacy or civil liberties unless there are clear legal restrictions and consent of the population. Surveillance has the power to deter freedom of expression and political involvement.

Mistakes or biased behaviour by AI systems also destroy trust in the system among the public. Automated systems make the decisions and citizens are not involved, they may feel that the automatized methods lack empathy and reasoning behind them. This may create a lack of trust in the institutions and democracy over time.

National and International Initiatives

To solve these issues, a number of national and international programs have been launched. The AI Act of the European Union is the first significant legal legislation governing AI according to the risk-based approach and includes stringent conditions on the high-risk systems in the governance and elections. The Recommendation on the Ethics of Artificial Intelligence by UNESCO is aimed at safeguarding human rights, democracy, and the rule of law. In the USA, NIST AI Risk Management Framework offers procedures on how to identify and manage AI risks.

These efforts indicate the significance of transparency, accountability and human control over civic AI systems.

Proposed Ethical AI Framework for Governance

Based on the issues discussed, an ethical AI framework for governance and public policy should include the following principles:

Transparency and Explainability: Citizens should be informed when AI is used, and decisions should be understandable.

Fairness and Non-Discrimination: AI systems must be tested to prevent bias against any group.

Human Oversight: High-stakes decisions should never be fully automated.

Accountability: Clear responsibility must exist for harms or errors caused by AI systems.

Sustainability: AI should be designed and used in a socially and environmentally responsible way.

3. Discussion / Personal Reflection

The study of AI as a means of governance helped me understand the extent to which this technology can be effective and dangerous. Although AI may increase efficiency and decrease human error, it may also pose a threat to democratic principles when it is not applied with adequate measures. Among the lessons, one of them is that the biggest threat is usually posed by the utilization of AI systems poorly designed or not comprehended by the choice makers.

The most significant aspect of creating trust in the population was transparency. The citizens are supposed to accept the consequences of using AI by their governments without understanding how they arrive at decisions as it may have long-term implications on their lives. This is against the very concept of democracy. Another thing that caught my attention is the fragility the information environment has developed. The political discourse and voting can be easily manipulated and affected by deepfakes and AI-generated fake news.

I believe that responsible AI in governance ought to be approached in a safety-first manner. AI must not be used in place of human decision-making. When used and controlled in a responsible manner, AI can contribute to more just and efficient systems in the general population. Nevertheless, it can potentially lead to the long-term damage of the democratic society without powerful ethical standards and human control.

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GitHub Link:

https://github.com/Krishna-Mandal11/2508742_Krishna_Kumar_Mandal_AICourseWork/tree/main/2508742_Krishna_Kumar_Mandal