

# **Artificial Intelligence in Governance: Transforming Public Policy Decision-Making through Data-Driven Political Systems**

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## **Abstract**

Artificial Intelligence (AI) is increasingly reshaping governance by enabling data-driven public policy formulation and decision-making. This paper explores how AI technologies such as machine learning, predictive analytics, and natural language processing can enhance administrative efficiency and policy accuracy in political systems. It examines the integration of AI tools in governmental institutions for resource allocation, citizen engagement, and policy forecasting. The study also highlights ethical concerns, transparency issues, and the risks of algorithmic bias in political decision-making. The findings suggest that AI, when properly regulated, can significantly improve governance outcomes and strengthen democratic processes.

**Keywords:** Artificial Intelligence, Governance, Public Policy, Machine Learning, Political Systems, Digital Government, Algorithmic Bias