

The Role of Artificial Intelligence in Public Sector Innovation

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Abstract. This study explores the transformative impact of artificial intelligence (AI) on public sector innovation. As governments worldwide grapple with the challenges of modern governance, AI offers unique opportunities to enhance efficiency and decision-making. This paper examines case studies from various countries to showcase how AI is being integrated into public administrations to streamline operations and improve citizen services. Furthermore, the study discusses the ethical considerations and potential risks associated with AI deployment in the public sector. The findings highlight the need for balanced policies that foster innovation while ensuring accountability and transparency.

Keywords: artificial intelligence, public sector, innovation, ethics, governance

Introduction: The integration of artificial intelligence (AI) into public administration has garnered significant attention in recent years. This interest is driven by the potential of AI to revolutionize the way governments operate, offering solutions to longstanding challenges such as resource allocation, service delivery, and public engagement. As the digital age progresses, public sector entities are increasingly adopting AI technologies to optimize processes and address complex challenges. Despite its potential, the application of AI in the public sector requires careful consideration of ethical, legal, and social implications. This paper aims to explore the current landscape of AI in public administration, highlighting successful implementations and identifying areas for future research. By understanding the role of AI in public governance, policymakers can develop strategies that harness its benefits while mitigating associated risks.

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References

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