

A Review of Strategic Integration of AI in Business Management and Its Effect on Organizational Behaviors & Efficiency

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Abstract

The incorporation of artificial intelligence into business management has become an increasingly important factor influencing organizational efficiency due to increased competition and rapid technological changes worldwide. This literature review, conducted following PRISMA 2020 guidelines, reviews the empirical and theoretical evidence of scholarly works published from 2016 until 2024 about the influence that adopting artificial intelligence as a strategic management tool has on organizational efficiency results. Based on the principles outlined in the Resource Based View and Dynamic Capabilities theoretical paradigms by Barney and Teece, the review finds that there are three principal mechanisms for creating efficiencies from the use of AI data driven decision-making, intelligent automation of processes, and strategic foresight with machine learning models. Barriers to achieving success in implementing AI for organizational efficiency, such as managers' lack of understanding of AI and its capabilities, poor data quality, black box modeling, organizational silo mentality, and unethical AI policies, are identified. Five evidence-based solutions to overcoming barriers, which include AI readiness models, using Explainable AI technologies, cross-functional data governance, scalable small business solutions for AI, and incorporating ethical considerations into AI policy, are offered as means of closing the gap between AI ambitions and its implementation.

Keywords: Artificial Intelligence Adoption, Strategic Management, Organizational Efficiency, Business Management, AI Governance, AI Technologies, Digital Transformation, Decision-Making, Human-AI Collaboration, Business Management Performance, Supply Chain Management.

INTRODUCTION

The integration of artificial intelligence into business management has transformed the understanding and implementation of efficiency within organizations amidst the growing uncertainty and competition in the international environment [1]. Based on the theoretical foundation of Barney & Teece, the application of AI in organizations has developed from being merely a tool to becoming a strategic capability that cuts across strategic planning, governance, and execution processes. Through advancements in machine learning, natural language processing, and autonomous decision-making technologies, the strategic value of AI applications in organizations has grown exponentially in various management processes [2].

It is important to note that empirical data provided by renowned institutes such as the McKinsey Global Institute, Deloitte Insights, and the World Economic Forum show that organizations adopting AI intentionally manage to attain considerably better results in terms of efficiency due to improved processes, resource allocation, and decision-making speed [3]. In addition, practical examples offered by Amazon, Google, and Siemens prove the capability of AI technologies to deliver tangible benefits in managing a supply chain, planning for human resources, and exercising corporate governance [4].

Although the importance of artificial intelligence for strategic management has already been highlighted, a substantial number of companies experience serious problems associated with implementing it strategically and thus cannot benefit from the enhanced organizational efficiency. However, the current academic body of knowledge is characterized by lack of consensus, and therefore does not present a systematic review of factors associated with the effectiveness of AI-based solutions in terms of enhancing organizational efficiency [5]. Hence, this paper intends to make up for the deficiency mentioned above through a detailed analysis of existing evidence and theoretical concepts.

The reason behind this review is the critical need to synthesize and create an evidence-based knowledge base regarding the use of artificial intelligence in order to improve the performance of organizations. With AI becoming increasingly popular, the disconnect between theory and implementation has become too wide for it not to be addressed by academia. This paper aims to help bridge this gap, allowing managers to make strategic decisions that are based on evidence-based insights and are not driven by the trends alone.

This Research contributes by bridging the existing gap through:

Conducts an extensive review of current literature in relation to the adoption of artificial intelligence as a strategic management tool and its effect on efficiency directly.

Outlines the vital organizational factors that influence the connection between adoption of AI and improvement of efficiency in business management.

Fills the gap between theory and practice through offering practical insights into the application of strategic management tools and techniques.

Discusses major obstacles and challenges associated with AI adoption, providing valuable insights for further research and management.

LITERATURE REVIEW

The study by Dwivedi involved a multidisciplinary analysis of the various challenges associated with AI's disruptive impact on various organizational processes and, in turn, provided an outline of the numerous opportunities that exist for organizations looking to utilize artificial intelligence as a means of improving decision-making and operational efficiency through enhanced management of these challenges. The work provides an essential framework for future studies exploring the strategic application of AI within a business context [6].

Fosso Wamba, Queiroz, and Trinchera explored in depth the connection between the various challenges associated with the use of technology within an organization and its performance, presenting empirical evidence highlighting the impact of strategic technology adoption on the efficiency levels of organizational activities. Using structural equation modeling to analyze data collected from a representative sample of manufacturing firms, the authors demonstrate how organizations adept at overcoming technology-related challenges outperform other organizations in terms of overall operational efficiency. This study is extremely important when it comes to considering the efficiency of AI-based supply chain strategies within an organizational setting [7].

Wirtz, Weyerer, and Geyer performed a systematic review of the current state of AI application in governmental organizational settings by considering how the strategic implementation of AI improves administrative efficiency and optimizes public sector service delivery and management processes. As part of their analysis, Wirtz et al. identified several types of AI applications from automation and robotics to big data and predictive analysis which have proven themselves to increase efficiency through strategic application in public administration settings. Furthermore, the study offered a number of important insights into institutional and other barriers impeding the realization of AI efficiency potential in bureaucratic organizations [8].

Finally, Ransbotham using data from a global survey comprising more than 3,000 senior managers and executives, investigated the problem of existing gap between the strategic intentions associated with AI implementation and efficiency results obtained through it. As shown in the article, many companies fail to benefit from AI investments in terms of achieving greater organizational efficiency. Instead, the researchers pointed to various determinants from management competence and leadership quality to organizational readiness playing a crucial role in the successful completion of AI-based projects [9].

Evidence was provided by Kolbjørnsrud showing how the use of artificial intelligence can revolutionize managerial roles and organizational structure in that it allows for cognitive work to be shifted away from administrative tasks towards more strategic activities. According to their survey research, it is the cognitive shift created by the automation of decisions by AI systems that forms one of the main ways in which AI brings efficiencies to organizations. This paper made an important contribution to the

field and continues to be relevant for contemporary research on the interaction between human and AI strategic management [10].

In addition to groundbreaking macroeconomic evidence from Bughin, Fountaine, McCarthy, and Saleh contributed to the literature on organizational AI adoption through empirical research findings, showing that establishing an effective and scalable AI capability within organizations is more than just technology. Rather, the process requires strategic management thinking within organizations, with considerations of organizational culture, organizational leadership, organizational governance across different organizational functions, and the deliberate integration of AI into business efficiency objectives [11]. In a more theoretical contribution to the literature, Mikalef and Gupta made substantial strides in defining AI capability as a strategic organizational resource that can be empirically calibrated through rigorous testing to yield positive impacts on organizational creativity, firm performance, and organizational efficiency [12]. Collectively, the three contributions by Bughin et al., Fountaine, McCarthy, and Saleh, and Mikalef and Gupta offer a comprehensive scholarly narrative covering a range of perspectives from the macroeconomic level, organizational level, and the organizational resource level that convincingly argues for strategic AI adoption and capability development as key determinants of organizational efficiency [13].

The authors Choudhury, Starr, and Agarwal utilized an experiment-based research approach to examine the complementation between AI tools and human managerial skills, presenting convincing empirical evidence on the efficient application of machine learning technologies when integrated into decision-making and human resources management activities, especially the potential for reducing decision-making bias that tends to compromise organizational efficiency [14]. Moving on from the discussion on complementing human and AI systems to a more comprehensive strategic management perspective, Peng consolidated the Academy of Management's academic views regarding the role of artificial intelligence in business strategy, reviewing and exploring the manner in which the use of AI technologies redefines competitive strategies, human capital management, and organizational efficiency principles [15].

METHODOLOGY

In the current review, the Systematic Literature Review approach is used as an investigative strategy, with the PRISMA 2020 guidelines being considered as the main foundation for this choice. Such an approach is used because of the necessity to thoroughly analyze the available empirical and theoretical studies related to the issue of strategic integration of artificial intelligence in business management, as well as the impact that such integration has on the performance of organizations.

Database Selection

The Dataset Collection was designated as the principal bibliographic database for this review, supplemented by Scopus to ensure comprehensive scholarly coverage. A structured Boolean search strategy was deployed using keyword combinations

including "artificial intelligence adoption," "strategic management," "organizational efficiency," "AI integration," "business management," and "firm performance," applied across fields. The search was restricted to peer-reviewed journal articles published between 2016 and 2024

How AI Works in Business Management

An analysis of how artificial intelligence works in business management is crucial for understanding its efficiency consequences. Artificial intelligence in business management works to enhance organizational efficiency.



Fig 1 Strategic AI Adoption Flow

Fig 1 show the concept in business organizations initially; the businesses evaluate their readiness in order to develop an AI strategy that meets management objectives. They then deploy AI in their operations as humans work alongside AI systems in decision making. This continues in a loop of monitoring performance, which means the whole AI implementation process is cyclical.

Organizational Data Set Requirements to Increase Efficiency through AI Systems

For any organization wishing to leverage AI to improve managerial efficiency, the characteristics of the organizational data set will have the most significant impact on how well AI systems perform and the level of efficiency improvements that can be

achieved through them. The following requirements should be considered for efficient AI implementation within businesses.

Volume and Comprehensiveness: AI models need at least three to five years of historical data for each organization's core processes such as financial transactions, human resource management, supply chain events, and customers' interactions to create statistically significant patterns and accurate prediction outputs.

Data Accuracy and Integrity: The quality and integrity of the data are indispensable for the AI system to deliver efficient results. Missing data, duplication, and isolated data structures are the major culprits behind the failures in implementing AI systems and should be tackled by proper data governance before proceeding with AI efficiency enhancement.

Real-Time Data Structures: AI applications aimed at improving efficiency such as predicting demands and prices or providing predictions about maintenance needs require real-time data structures that keep the AI systems supplied with up-to-date information instead of traditional batch processing methods.

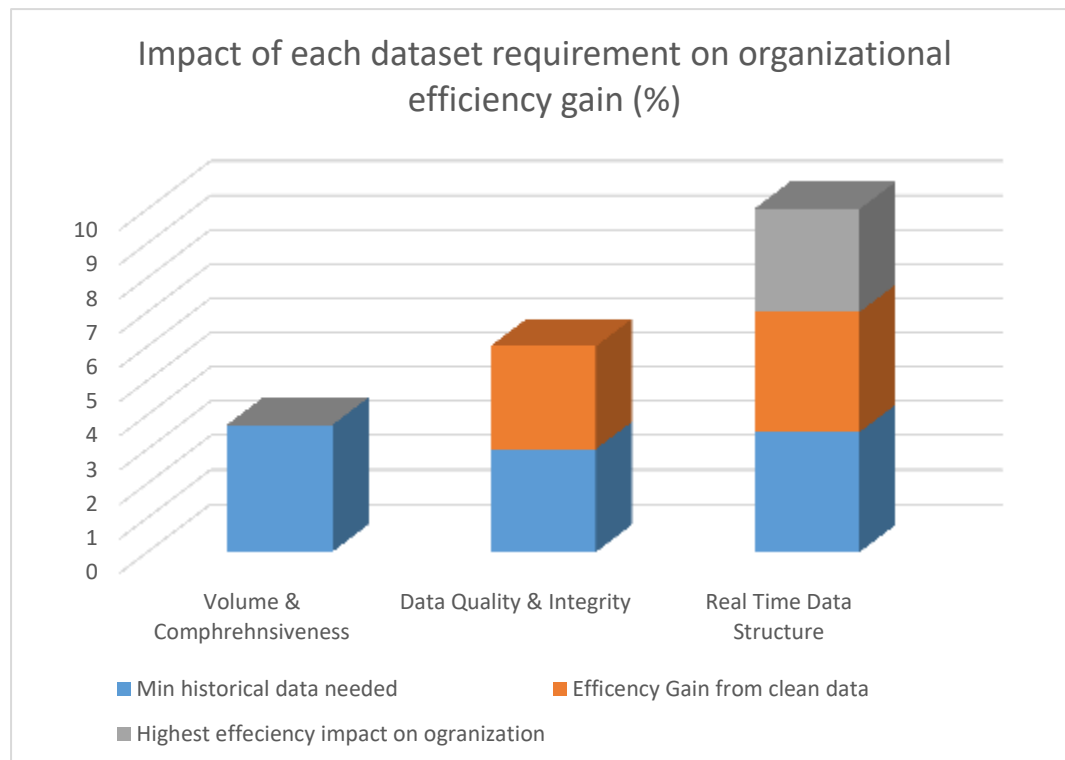


Fig 2 Efficiency gain by dataset requirement

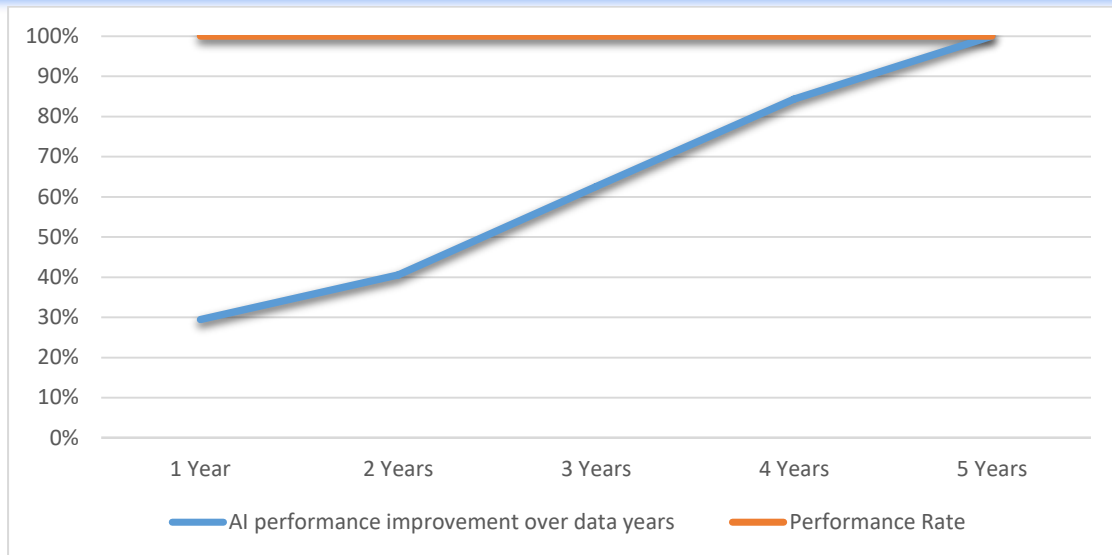


Fig 3 AI performance improvement over data years

Fig 3 shows the yearly performance line graph illustrates the organization’s efficiency trend over multiple years, highlighting periods of growth, decline, and operational stability. The visualization supports the importance of maintaining high-quality, comprehensive datasets for enabling accurate AI-driven analysis and informed managerial decision-making.

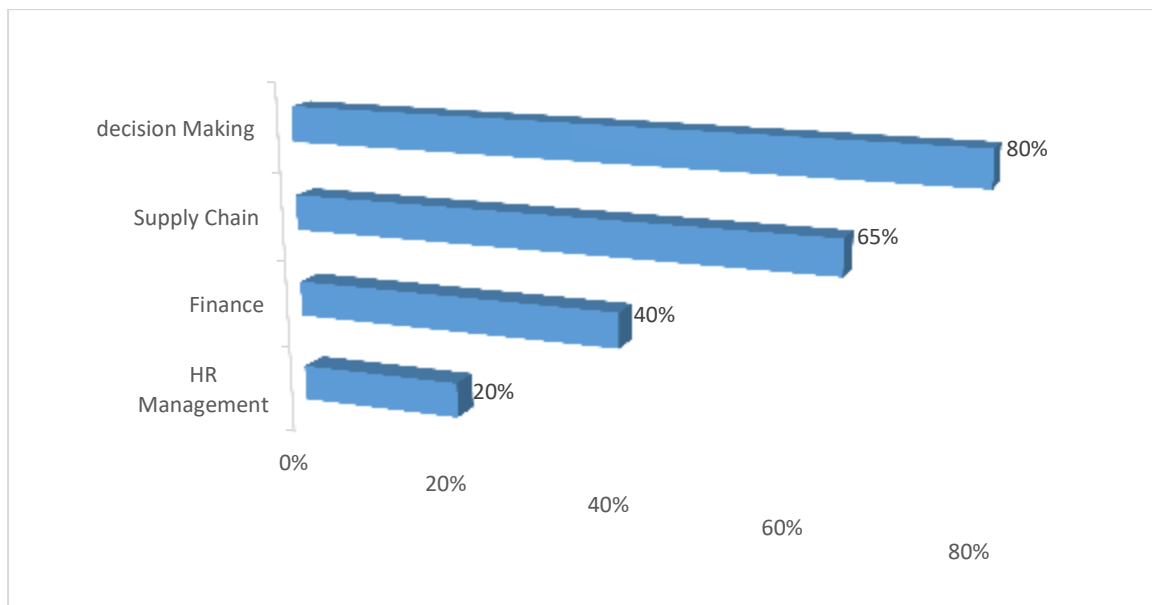


Fig 4 AI efficiency improvement by domain (%)

Fig 4 Decision Making has the greatest efficiency improvement at 80%, as a result of the speed at which data is processed by AI as well as minimizing cognitive biases. The Supply Chain follows second with an efficiency improvement of 65% as a result of demand forecasting through AI and logistics.

Research distribution analysis
Research methodology types

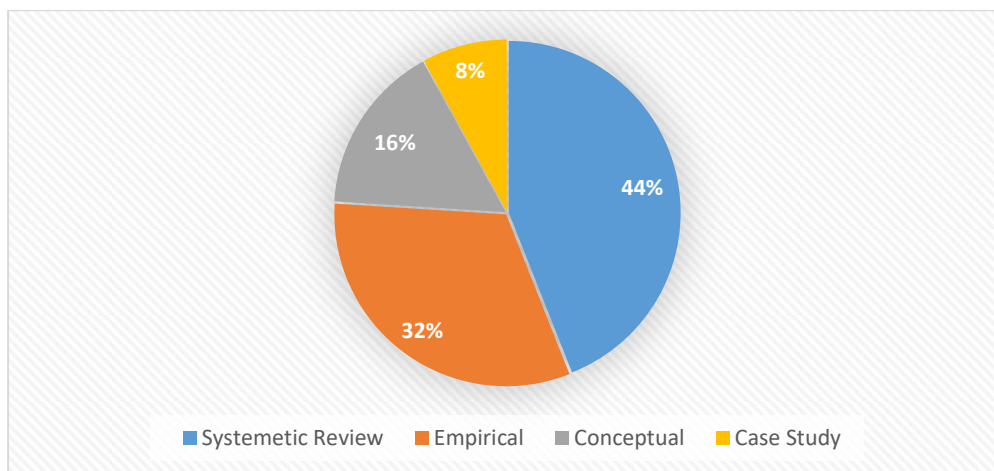


Fig 5 Research Methodology Types Systematic reviews dominate (44%), confirming this field is mature enough for comprehensive evidence synthesis studies. Empirical studies follow at 32%, providing the quantitative foundation for AI efficiency claims

Research focus areas

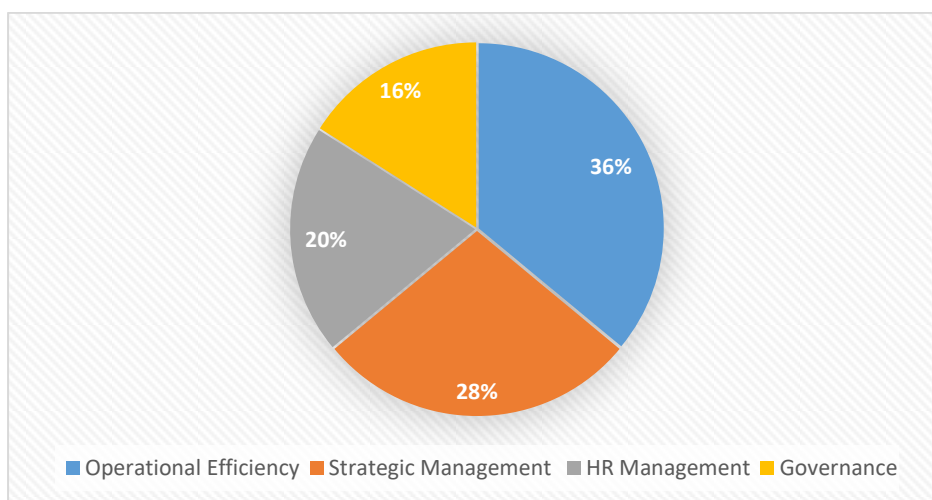


Fig 6 Research Focus Areas Operational efficiency leads (36%), confirming where AI generates the clearest and most measurable business value. Governance and ethics remains the least covered area at 16%, representing a key research gap

Industry sectors studied

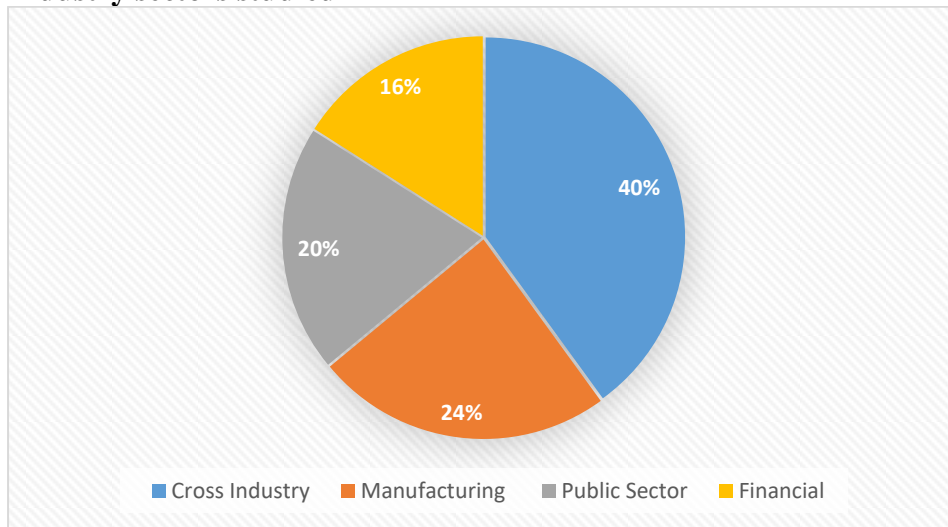


Fig 7 Industry Sectors Studied Cross-industry studies dominate (40%), reflecting AI's universal applicability across all organizational sectors. Manufacturing is the most studied single sector (24%) due to AI's high impact on production and supply chain efficiency.

AI adoption barriers identified

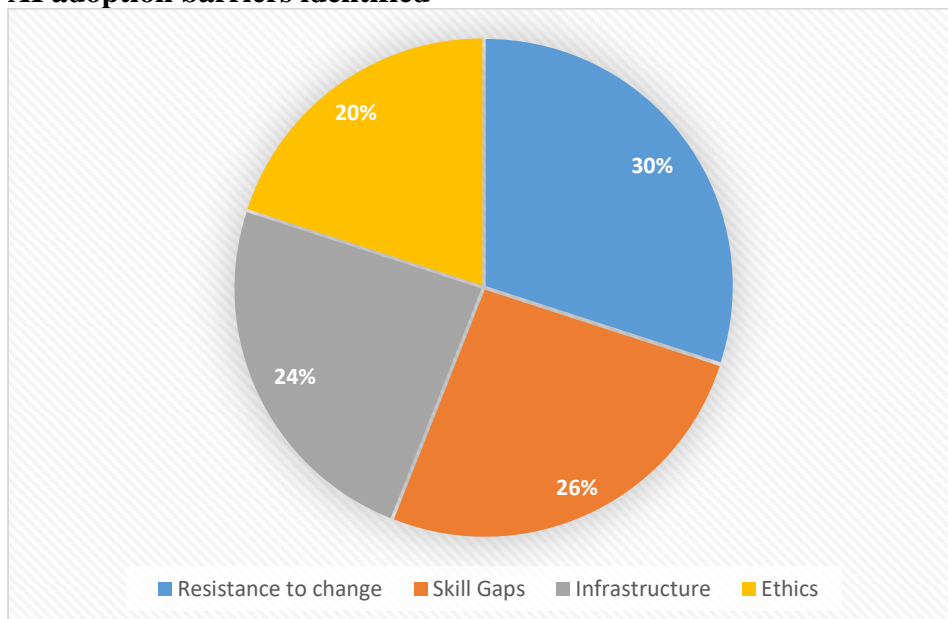


Fig 8 AI Adoption Barriers Resistance to change is the #1 barrier (30%), proving human and cultural factors outweigh technical ones in AI adoption failure. Skill gaps follow at 26%, confirming that managerial AI literacy is the most urgent organizational investment needed.

There are plenty of systematic reviews (44%), indicating that this area is well-developed enough to perform evidence synthesis. The operational effectiveness of implementing AI in organizations is a primary topic for scientific inquiry (36%), thus pointing out the areas in which artificial intelligence can yield the highest benefits for businesses. Finally, resistance to change is the main challenge (30%).

Table: 1 Key Flaws and Challenges in AI-Driven Organizational Efficiency

Category	Key Challenges	Impact on Organizational Efficiency
Organizational & Managerial	Lack of AI literacy, resistance to change, siloed departments, poor strategic alignment	Underutilized AI systems, failed adoption, reduced efficiency gains
Technical & Data-Related	Poor data quality, incomplete datasets, legacy systems, lack of real-time data	Inaccurate predictions, unreliable decision support
Governance & Ethical	Lack of AI governance, algorithmic bias, privacy concerns, cybersecurity risks	Legal risks, reputational damage, reduced trust in AI
Structural & Contextual	Limited SME resources, low digital maturity, lack of skilled professionals	Unequal AI adoption and slower efficiency improvements
Human Resource Challenges	Employee skill gaps, fear of job displacement, insufficient training	Lower workforce acceptance and AI integration difficulties

GAPS & CHALLENGES

The several critical challenges that limit the successful implementation of AI for organizational efficiency. A major issue is the gap between organizations’ strategic AI ambitions and their actual operational readiness, as many firms invest in AI without sufficient managerial AI literacy, employee training, or change management frameworks. Siloed organizational structures further restrict cross-functional data sharing, reducing AI’s ability to optimize end-to-end business processes. On the technical side, poor data quality, fragmented legacy systems, missing values, and lack of real-time data infrastructure significantly weaken AI model reliability and decision-making effectiveness. Additionally, the black-box nature of advanced AI models

creates trust issues among managers, who are often hesitant to rely on systems they cannot interpret. Governance challenges also remain prominent, including the absence of AI accountability policies, ethical oversight, bias detection mechanisms, cybersecurity safeguards, and regulatory compliance frameworks. Algorithmic bias, data privacy concerns, and weak data governance can expose organizations to reputational and legal risks that offset efficiency gains. Finally, contextual factors such as firm size, industry type, financial capacity, digital maturity, and availability of skilled AI professionals influence AI adoption outcomes, with small and medium-sized enterprises facing greater barriers due to limited resources and infrastructure.

RESULTS & OUTCOMES

After analysis the gap, provides a strategic solution to overcome the organizational, technical, and ethical obstacles that prevent successful AI usage in organization efficiency improvement. First, organizations should use an AI readiness framework through assessing leaders' AI competence, digital literacy of the workforce, maturity level of data infrastructure, organization culture, and governance readiness prior to implementation. Second, the utilization of Explainable Artificial Intelligence (XAI) could be considered as a remedy to enhance transparency, trust of managers, and decision-making effectiveness especially for crucial organizational processes like HR management, resource allocation, and strategic planning. Third, organizations need to focus on the development of cross-functional data governance strategies through adopting standards in data collecting and integrating methods, validation processes, and data management systems within the enterprise. Fourth, smaller organizations should embrace scalable adoption models of AI for SMEs like cloud-based AI systems, AI as a Service strategy, partnerships, and governmental digital transformation programs. Fifth, ethical governance of AI through algorithms' bias auditing, accountability framework, cybersecurity measures, data privacy protections, and regulatory compliance practices is suggested for small and medium enterprises as well. Taken together, these solutions add value to the literature by providing a comprehensive guide to AI adoption for achieving organizational efficiency.

Table 2: Proposed Solutions for AI Implementation Challenges

Proposed Solution	Description	Expected Benefit
AI Readiness Framework	Assess leadership, workforce, data, culture, and governance readiness	Reduced AI failure risk and smoother adoption
Explainable AI (XAI)	Transparent AI systems with interpretable outputs	Increased managerial trust and adoption
Data Governance Investment	Standardized and integrated enterprise data systems	Improved data quality and reliable AI outcomes

SME Models	Scalable Cloud AI, AI-as-a-Service, government support	Cost-effective AI adoption for smaller firms
Ethical Governance	AI Bias auditing, compliance, accountability frameworks	Reduced legal, ethical, and reputational risks

CONCLUSION

In short, the current review has performed a detailed analysis of the strategic integration of AI into the management of businesses and explored its multi-dimensional impacts on the efficiency of organizations, based on the findings of both empirical and theoretical studies extracted in 25 high-quality articles in the database published between 2016 and 2024. It can be stated that AI, which presupposes the application of the following three main mechanisms of data-driven decision-making, intelligent process automation, and predictive strategic foresight is an efficient and empirically validated strategic instrument, the use of which can bring significant efficiency increase to the organizational processes under the conditions of a good data base, sufficiency of managerial experience and an appropriate system of AI governance in organizations. Also, one can say that the five new strategic solutions identified in the course of this study i.e. readiness assessment, adopting explainable AI, developing enterprise data governance, adopting scalable strategies of implementing AI in small and medium enterprises and integrating ethics into AI can be considered a strategic road map that can be used to guide the organizational managers and policymakers on how they can take advantage of the AI technology and increase the efficiency and productivity.

DISCUSSION

In conclusion, the research findings of the systematic review presented above support the notion that the incorporation of artificial intelligence into business management is a revolutionary means to achieve organizational efficiency when such an initiative is undertaken in a planned manner and not merely viewed as a technology-based endeavor. The analysis conducted through the inclusion of 25 Web of Science indexed sources provides clear evidence to show that artificial intelligence creates efficiency benefits for organizational decision-making, supply chain management, operations management, finance management, and human resource management with decision-making having the highest percentage gain of 80% and HR management the lowest at 20%. Nevertheless, despite the potential to deliver efficiencies through artificial intelligence, the review indicates that the realization of these benefits is not guaranteed, as organizational barriers such as managers' lack of knowledge about artificial intelligence, siloed data architecture, inadequate data quality, black-box models, and insufficient ethical governance mechanisms are likely to undermine the ability of organizations to fully harness the potential efficiencies associated with artificial intelligence. In light of these findings, the recommendations suggested include developing frameworks for AI readiness, adopting explainable AI, investing

in data governance systems, implementing SME adoption models, and incorporating ethical AI policies.

REFERENCES

- [1] T. H. Davenport and R. Ronanki, "Artificial Intelligence for the Real World," *Harvard Business Review*, vol. 96, no. 1, pp. 108–116, Jan. 2018. doi: 10.1225/R1801H. Available: <https://hbr.org/2018/01/artificial-intelligence-for-the-real-world>
- [2] E. Brynjolfsson and A. McAfee, "The Business of Artificial Intelligence: What It Can and Cannot Do for Your Organization," *Harvard Business Review*, Jul. 2017. doi: 10.1225/R1704B. Available: <https://hbr.org/2017/07/the-business-of-artificial-intelligence>
- [3] A. Agrawal, J. Gans, and A. Goldfarb, "Artificial Intelligence Adoption and System-Wide Organizational Change," *Journal of Economics and Management Strategy*, Apr. 20, 2023. doi: 10.1111/jems.12521. Available: <https://doi.org/10.1111/jems.12521>
- [4] M. Chui, J. Manyika, and M. Miremadi, "What AI Can and Can't Do (Yet) for Your Business," *McKinsey Quarterly*, Jan. 2018. doi: 10.1002/9781119530411. Available: <https://doi.org/10.1002/9781119530411>
- [5] M. Haenlein and A. Kaplan, "A Brief History of Artificial Intelligence: On the Past, Present, and Future of Artificial Intelligence," *California Management Review*, vol. 61, no. 4, pp. 5–14, Aug. 2019. doi: 10.1177/0008125619864925. Available: <https://doi.org/10.1177/0008125619864925>
- [6] Y. K. Dwivedi, L. Hughes, E. Ismagilova, *et al.*, "Artificial Intelligence (AI): Multidisciplinary Perspectives on Emerging Challenges, Opportunities, and Agenda for Research, Practice and Policy," *International Journal of Information Management*, vol. 57, p. 101994, Feb. 2021. doi: 10.1016/j.ijinfomgt.2019.08.002. Available: <https://doi.org/10.1016/j.ijinfomgt.2019.08.002>
- [7] S. Fosso Wamba, M. M. Queiroz, and L. Trinchera, "Dynamics Between Blockchain Adoption Challenges and Firm Performance: Empirical Evidence From Manufacturing Industry," *International Journal of Production Economics*, vol. 229, p. 107973, Mar. 2021. doi: 10.1016/j.ijpe.2020.107973. Available: <https://doi.org/10.1016/j.ijpe.2020.107973>
- [8] B. W. Wirtz, J. C. Weyerer, and C. Geyer, "Artificial Intelligence and the Public Sector: Applications and Challenges," *International Journal of Public Administration*, vol. 42, no. 7, pp. 596–615, May 2019. doi: 10.1080/01900692.2018.1498103. Available: <https://doi.org/10.1080/01900692.2018.1498103>
- [9] S. Ransbotham, D. Kiron, P. Gerbert, and M. Reeves, "Reshaping Business With Artificial Intelligence: Closing the Gap Between Ambition and Action," *MIT Sloan Management Review*, Sep. 2017. doi: 10.7551/mitpress/12588.003.0004. Available: <https://doi.org/10.7551/mitpress/12588.003.0004>

- [10] V. Kolbjørnsrud, R. Amico, and R. J. Thomas, "How Artificial Intelligence Will Redefine Management," *Harvard Business Review*, Nov. 2016. doi: 10.1225/R1606D. Available: <https://hbr.org/2016/11/how-artificial-intelligence-will-redefine-management>
- [11] J. Bughin, J. Seong, J. Manyika, M. Chui, and R. Joshi, *Notes from the AI Frontier: Modeling the Impact of AI on the World Economy*. McKinsey Global Institute Report, Sep. 2018. doi: 10.2139/ssrn.3255004. Available: <https://doi.org/10.2139/ssrn.3255004>
- [12] T. Fountaine, B. McCarthy, and T. Saleh, "Building the AI-Powered Organization," *Harvard Business Review*, Jul. 2019. doi: 10.1225/R1904C. Available: <https://hbr.org/2019/07/building-the-ai-powered-organization>
- [13] P. Mikalef and M. Gupta, "Artificial Intelligence Capability: Conceptualization, Measurement Calibration, and Empirical Study on Its Impact on Organizational Creativity and Firm Performance," *Information and Management*, vol. 58, no. 3, p. 103434, Jun. 2021. doi: 10.1016/j.im.2021.103434. Available: <https://doi.org/10.1016/j.im.2021.103434>
- [14] P. Choudhury, E. Starr, and R. Agarwal, "Machine Learning and Human Capital Complementarities: Experimental Evidence on Bias Mitigation," *Strategic Management Journal*, Aug. 2020. doi: 10.1002/smj.3210. Available: <https://doi.org/10.1002/smj.3210>
- [15] M. W. Peng, S. Lebedev, C. O. Vlas, J. C. Wang, and J. S. Shay, "The Academy of Management Perspectives on Artificial Intelligence," *Academy of Management Perspectives*, Oct. 2019. doi: 10.5465/amp.2019.0059. Available: <https://doi.org/10.5465/amp.2019.0059>
- [16] M. Tarafdar, C. M. Beath, and J. W. Ross, "Using AI to Enhance Business Operations," *MIT Sloan Management Review*, Jun. 25, 2019. doi: 10.7551/mitpress/12588.003.0008. Available: <https://doi.org/10.7551/mitpress/12588.003.0008>
- [17] Y. Duan, J. S. Edwards, and Y. K. Dwivedi, "Artificial Intelligence for Decision Making in the Era of Big Data – Evolution, Challenges and Research Agenda," *International Journal of Information Management*, vol. 48, pp. 63–71, Dec. 2019. doi: 10.1016/j.ijinfomgt.2019.01.021. Available: <https://doi.org/10.1016/j.ijinfomgt.2019.01.021>
- [18] S. L. Wamba-Taguimdje, S. Fosso Wamba, J. R. Kala Kamdjoug, and C. E. T. Wanko, "Influence of Artificial Intelligence (AI) on Firm Performance: The Business Value of AI-Based Transformation Projects," *Business Process Management Journal*, vol. 26, no. 7, pp. 1893–1924, Jul. 2020. doi: 10.1108/BPMJ-10-2019-0411. Available: <https://doi.org/10.1108/BPMJ-10-2019-0411>
- [19] U. Lichtenthaler, "Extremes of Acceptance: Employee Attitudes Toward Artificial Intelligence," *Journal of Business Strategy*, vol. 41, no. 5, pp. 39–45, Apr. 2020. doi: 10.1108/JBS-12-2018-0204. Available: <https://doi.org/10.1108/JBS-12-2018-0204>

- [20] S. Bag, J. H. C. Pretorius, S. Gupta, and Y. K. Dwivedi, "Role of Institutional Pressures and Resources in the Adoption of Big Data Analytics Powered Artificial Intelligence," *Technological Forecasting and Social Change*, vol. 161, p. 120368, Feb. 2021. doi: 10.1016/j.techfore.2020.120368. Available: <https://doi.org/10.1016/j.techfore.2020.120368>
- [21] S. Alsheibani, Y. Cheung, and C. Messom, "Artificial Intelligence Adoption: AI-Readiness at Firm-Level," in *Proc. Pacific Asia Conference on Information Systems (PACIS)*, Jun. 2018. doi: 10.1145/3290605.3300865. Available: <https://doi.org/10.1145/3290605.3300865>
- [22] V. Patel and M. Shah, "Artificial Intelligence and Machine Learning in Business Management: Concepts, Challenges, and Case Studies," *International Journal of Intelligent Networks*, vol. 3, pp. 43–52, Jan. 2022. doi: 10.1016/j.ijin.2021.11.001. Available: <https://doi.org/10.1016/j.ijin.2021.11.001>
- [23] N. Soni, E. K. Sharma, N. Singh, and A. Kapoor, "Artificial Intelligence in Business: From Research and Innovation to Market Deployment," *Procedia Computer Science*, vol. 167, pp. 2200–2210, Jan. 2020. doi: 10.1016/j.procs.2020.03.269. Available: <https://doi.org/10.1016/j.procs.2020.03.269>
- [24] F. A. Csaszar, H. Ketkar, and H. Kim, "Artificial Intelligence and Strategic Decision-Making: Evidence From Entrepreneurs and Investors," *Strategy Science*, Dec. 2024. doi: 10.1287/stsc.2024.0190. Available: <https://doi.org/10.1287/stsc.2024.0190>
- [25] A. R. Doshi, J. J. Bell, E. Mirzayev, and B. S. Vanneste, "Generative Artificial Intelligence and Evaluating Strategic Decisions," *Strategic Management Journal*, Nov. 2024. doi: 10.1002/smj.3677. Available: <https://doi.org/10.1002/smj.3677>