



# Agentic AI Report latest


Abstraction in graphics refers to the process of simplifying or distilling complex visual elements

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# **Understanding Agentic AI & Its Impact on Business**



Agentic AI is revolutionizing the enterprise landscape, enabling businesses to automate complex tasks, enhance decision-making, and increase efficiency across departments. This report delves into the strategic benefits of adopting Agentic AI, supported by insights from industry leaders and real-world case studies. By addressing key challenges and offering tailored solutions, enterprises can unlock the full potential of AI agents to drive innovation and maintain a competitive edge.

Agentic AI refers to intelligent systems that can act autonomously, analyze vast amounts of data, learn from their environments, and make decisions without continuous human intervention. These agents are proving to be essential in solving business problems by streamlining processes, improving accuracy, and enabling more data-driven decisions.

## Key Capabilities of Agentic AI:

**Key Capabilities of Agentic AI: Autonomy:** AI agents operate with little to no human involvement. This level of autonomy allows businesses to automate critical tasks such as decision-making and real-time analysis, which traditionally required significant human oversight.

(1) **Adaptability:** One of the strengths of Agentic AI is its ability to learn from its environment and new data, continuously improving its performance. This adaptability is particularly useful in industries experiencing rapid changes, such as finance and supply chain management.

(2) **Scalability:** AI agents can easily scale across various business departments, offering the flexibility to address everything from customer service automation to supply chain optimization. Enterprises can deploy these systems incrementally or fully depending on the maturity of their digital infrastructure.

(3) **Business Impact:** According to a 2023 report from McKinsey, businesses that successfully integrated AI saw up to a 20% improvement in operational efficiency within the first year of adoption. Additionally, Gartner predicts that by 2026, 75% of enterprises will leverage Agentic AI to remain competitive in their respective industries.

— Cynthia Stoddard, CIO, Adobe

"AI is not just a tool; it's an enabler of new business models, allowing enterprises to compete in a rapidly evolving digital landscape."

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## **The Challenges of Implementing Agentic AI in Enterprises**

## 2.1 Data Quality and Infrastructure

A major hurdle is the requirement for high-quality, structured data. AI agents thrive on data; however, many organizations struggle with fragmented data systems, poor data hygiene, and the lack of scalable infrastructure.

### **Solution:**

AI thrives on high-quality, structured data, yet many organizations struggle with fragmented data systems, poor data hygiene, and lack of scalable infrastructure. Without these foundational elements, AI models can yield inaccurate results or fail entirely.

**Solution:** Data Lakehouses and Next-Generation Infrastructure The adoption of data lakehouses—a hybrid architecture combining data lakes with data warehouses—has proven highly effective in AI projects.

These infrastructures allow for the low-cost storage and high-performance querying of structured and unstructured data, which is critical for training and optimizing AI agents. Companies like Snowflake and Databricks are pioneering solutions in this space. Statistics: In a survey by TechRepublic, 67% of businesses implementing data lakehouses reported a 50% reduction in operational costs related to data management

## 2.2 Workforce Adaptation

The fear of automation displacing human jobs continues to be a challenge. However, rather than eliminating jobs, AI will transform them. Workers will need to shift from manual and repetitive tasks to more strategic roles, such as overseeing AI systems and leveraging AI outputs for better decision-making.

### **Solution: Reskilling and Workforce Integration**

Successful businesses are focusing on reskilling their workforce to operate alongside AI agents. According to the World Economic Forum, by 2025, 85 million jobs will be displaced, but 97 million new roles will be created that are better aligned with AI and automation



03

## **Practical Use Cases of Agentic AI in Enterprises**



Enterprises across various sectors are already reaping the benefits of deploying Agentic AI. Below are key use cases where AI agents have driven significant improvements:

### **3.1 Customer Service Automation**

Companies like Adobe have implemented generative AI tools such as Adobe Firefly, which assists in automating customer responses, improving customer satisfaction, and lowering operational costs.

Firefly's AI agents help enhance interactions by providing tailored responses to customer inquiries, thereby reducing human intervention. Statistics: Adobe reported that using AI agents in customer service has led to a 40% reduction in response times and a 20% increase in customer satisfaction.

### **3.2 Financial Services Optimization**

In the financial sector, Agentic AI is instrumental in risk management and fraud detection. JP Morgan, for example, has been using AI agents to analyze transaction data and detect fraudulent activities in real-time, reducing the average fraud detection time by 80%.

### **3.3 Supply Chain and Manufacturing**

Agentic AI in supply chain management allows businesses like DuPont to optimize inventory management and production schedules through real-time analytics. These AI agents are capable of making decisions about stock levels and predicting supply chain disruptions, which has led to a 15% reduction in operational costs for some organizations.

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## **How Enterprises Can Adopt Agentic AI Effectively**

Adopting Agentic AI requires more than just implementing new technology—it requires a holistic approach to transformation.

**Step-by-Step Approach to Implementation:** Establish Clear Objectives: Define the goals for AI adoption, ensuring alignment with broader business strategies.

(1) **Build or Upgrade Data Infrastructure:** Ensure that your data infrastructure supports the collection, storage, and analysis of large datasets.

(2) **Reskill the Workforce:** Create training programs to help employees adapt to AI-driven workflows.

(3) **Implement in Phases:** Start with low-risk departments like customer service before scaling AI across more critical functions like finance or operations.

(4) **Statistics:** In a survey by Harvard Business Review, companies that followed a phased AI implementation strategy were 50% more likely to achieve their ROI goals.

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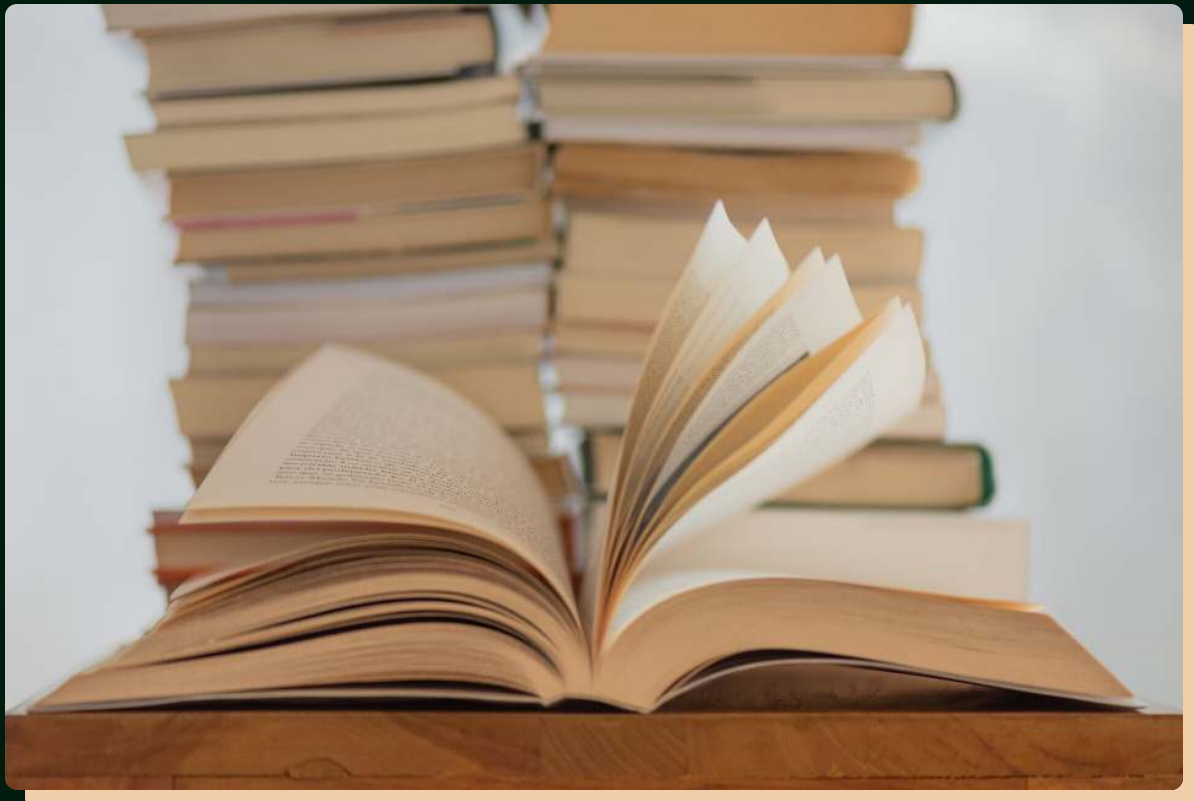
## **The Future of Agentic AI in Business**

The future of Agentic AI is set to revolutionize multiple sectors, and its importance in driving innovation cannot be overstated. By 2040, the global economy is expected to see a \$4 trillion boost from AI-related automation(Agentic\_AI\_Report\_latest).

**Predictions:** AI-Powered Innovation: Agentic AI will be at the forefront of innovation, with enterprises developing new products and services that would not have been possible without autonomous AI agents.

**Enterprise Efficiency:** Expect an increase in productivity and operational efficiency as businesses streamline their workflows through AI.

**Ethical AI:** As AI becomes more pervasive, ethical considerations surrounding data privacy, fairness, and accountability will gain more focus.



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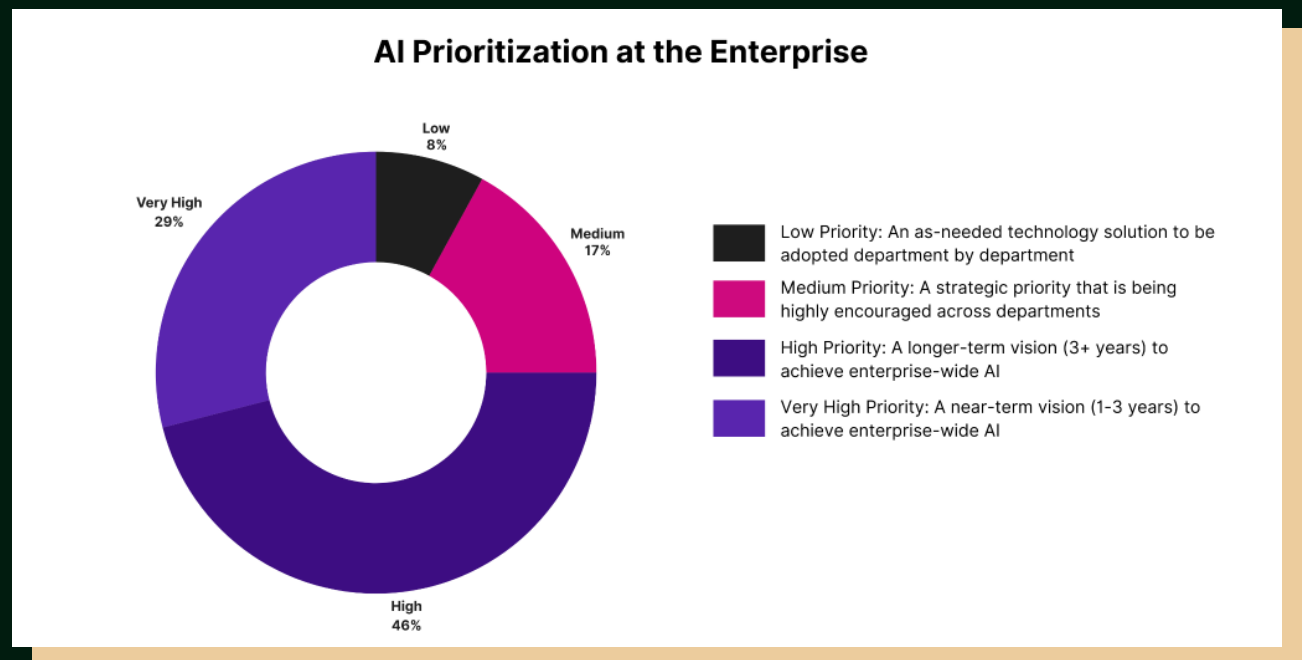
## **AI Prioritization and Adoption Insights**



The following insights provide an overview of how enterprises are prioritizing AI and their readiness to adopt AI agents, along with other key considerations such as the ethical concerns, the choice between in-house and third-party AI solutions, and the expected return on investment (ROI) for AI agent solutions.

## AI Prioritization at the Enterprise

A growing number of enterprises view AI as a critical component of their digital transformation strategy. 80% of businesses surveyed by Accenture in 2024 indicated that AI is a top-three priority (Agentic\_AI\_Report\_latest).



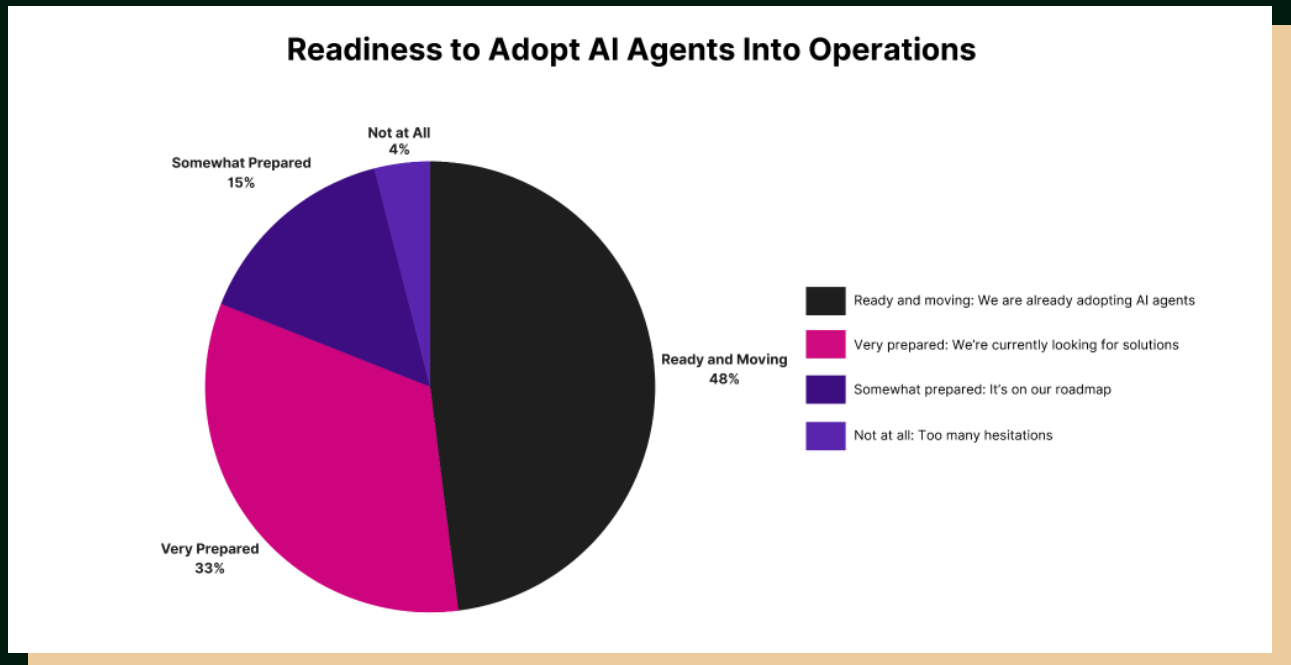


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## **Readiness to Adopt AI Agents Into Operations**



The graph below illustrates how prepared organizations are to adopt AI agents. Nearly 50% of enterprises are ready and already moving forward with implementing AI agent solutions.



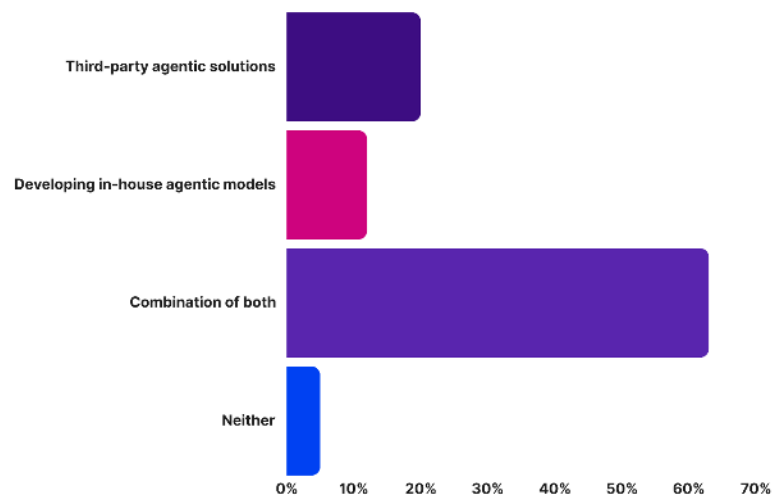
Approximately 50% of enterprises are already in the process of deploying AI agent solutions, with another 30% planning to implement them in the next 12-18 months.

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## **Third-Party AI Agent Solutions vs In-House Agentic Models**

Enterprises often face a strategic choice between developing in-house AI models and utilizing third-party solutions. This graphic showcases the preference for a combination of both approaches, highlighting the balance many businesses strive for.

### Third-Party AI Agent Solutions vs In-House Agentic Models

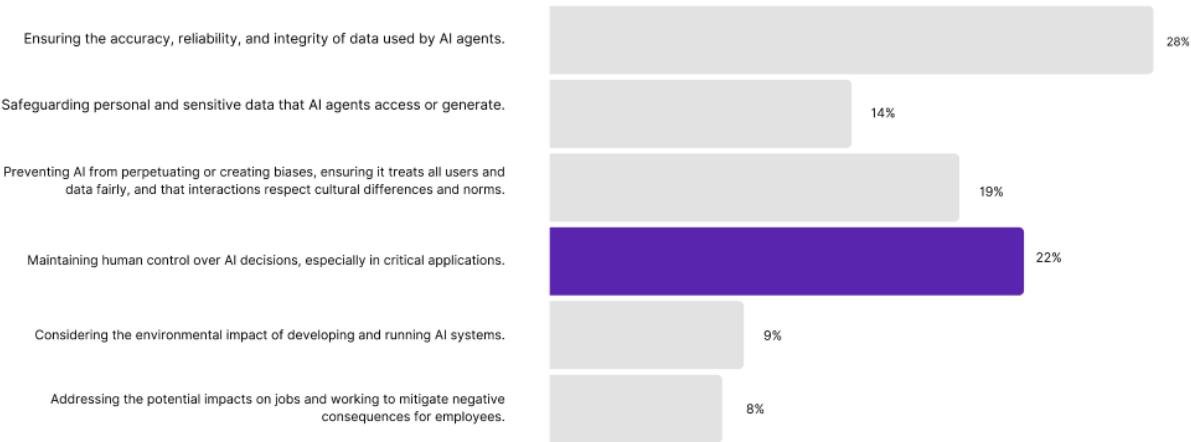


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## **Top Ethical Concerns with AI Agent Implementation**

Enterprises are increasingly concerned with the ethical implications of deploying AI agents. Key concerns include data accuracy, privacy, and maintaining human oversight in critical AI decisions.

### Top Ethical Concern with AI Agent Implementation

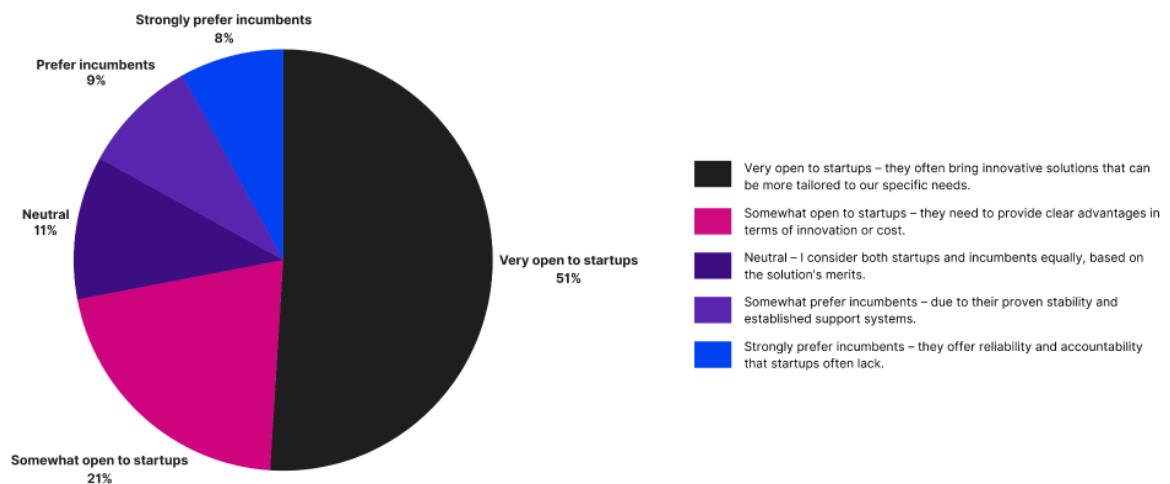


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## **Openness to AI Agent Startups vs Incumbents**

This graph illustrates how enterprises view the potential of AI agent startups versus more established incumbents. A majority are open to innovative solutions provided by startups, recognizing their potential to deliver tailored solutions.

### Openness to AI Agent Startups vs Incumbents

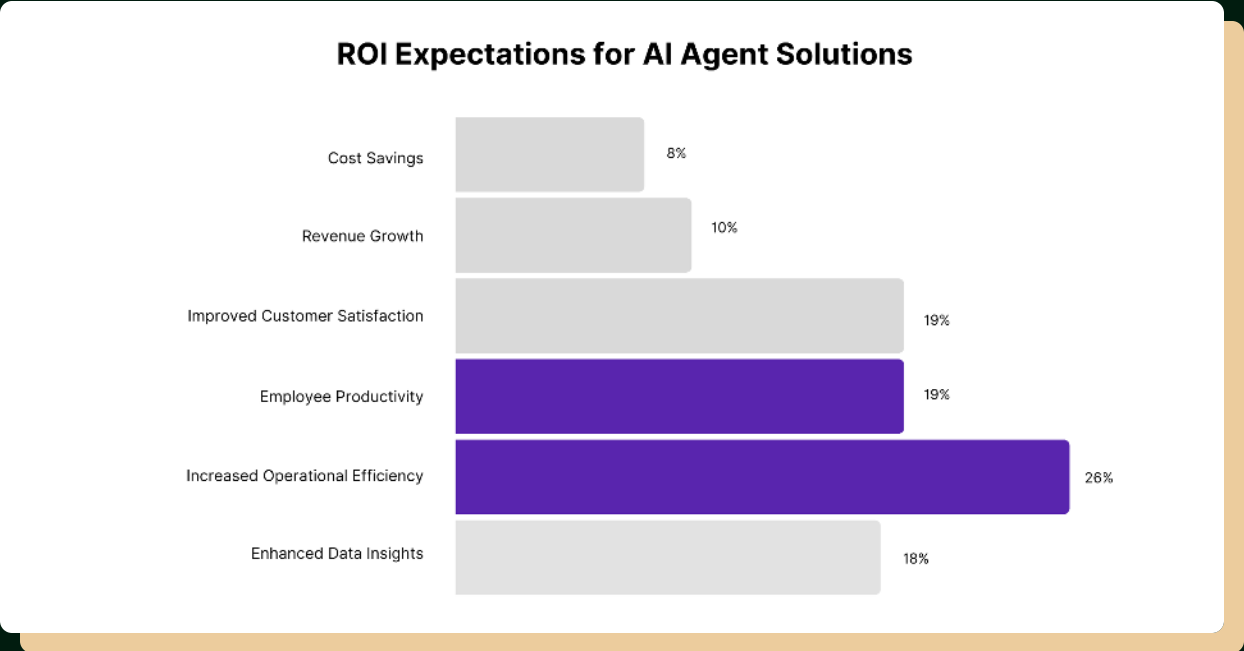




II

# **ROI Expectations for AI Agent Solutions**

Enterprises have high expectations regarding the return on investment (ROI) from AI agent solutions. The most anticipated benefits include increased operational efficiency, employee productivity, and improved customer satisfaction.



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## **Conclusion: Moving Forward with Agentic AI**



Agentic AI holds transformative power for enterprises ready to innovate. By investing in the right data infrastructure, reskilling employees, and implementing strategic governance, businesses can unlock new opportunities and drive sustainable growth.

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