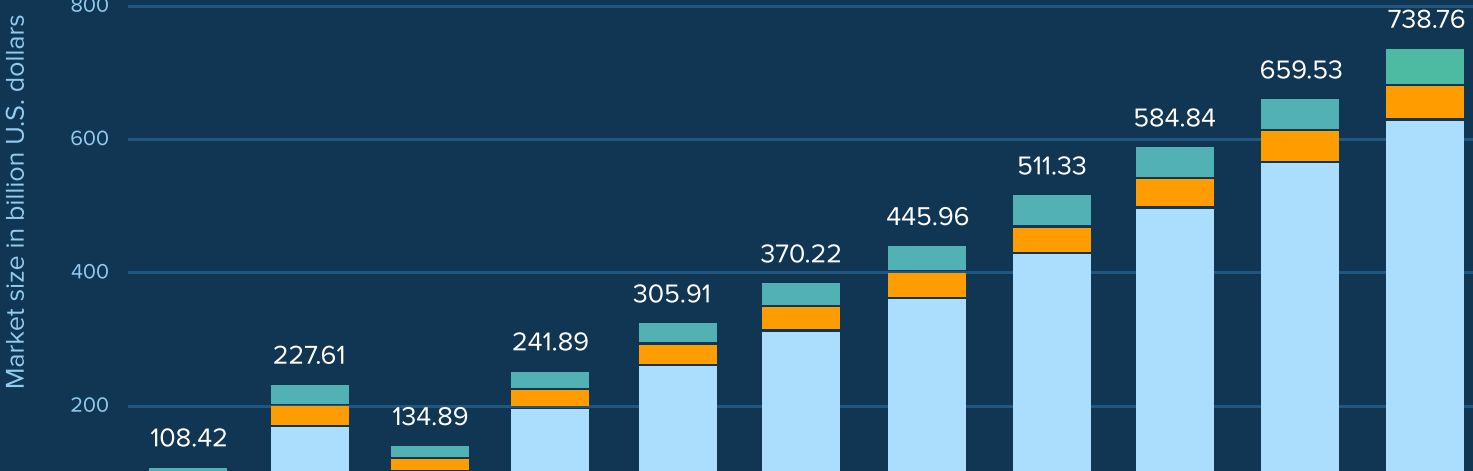
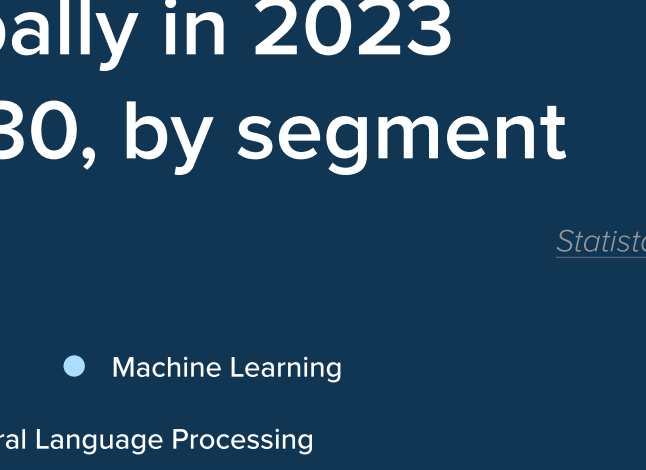
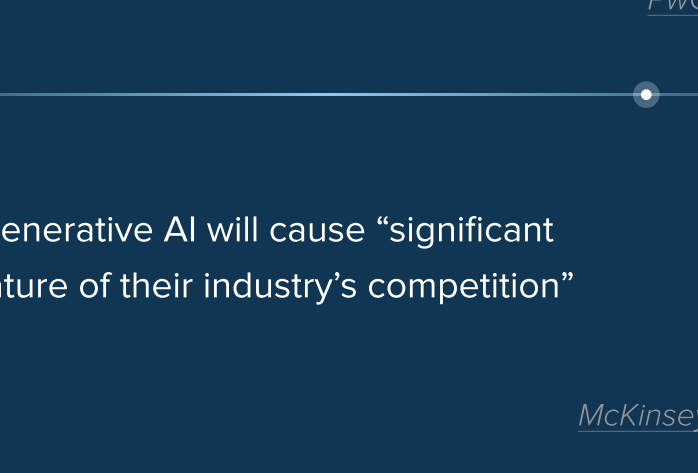
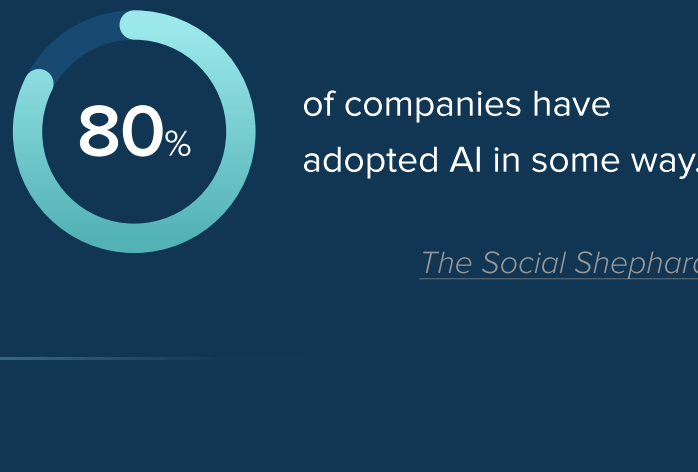


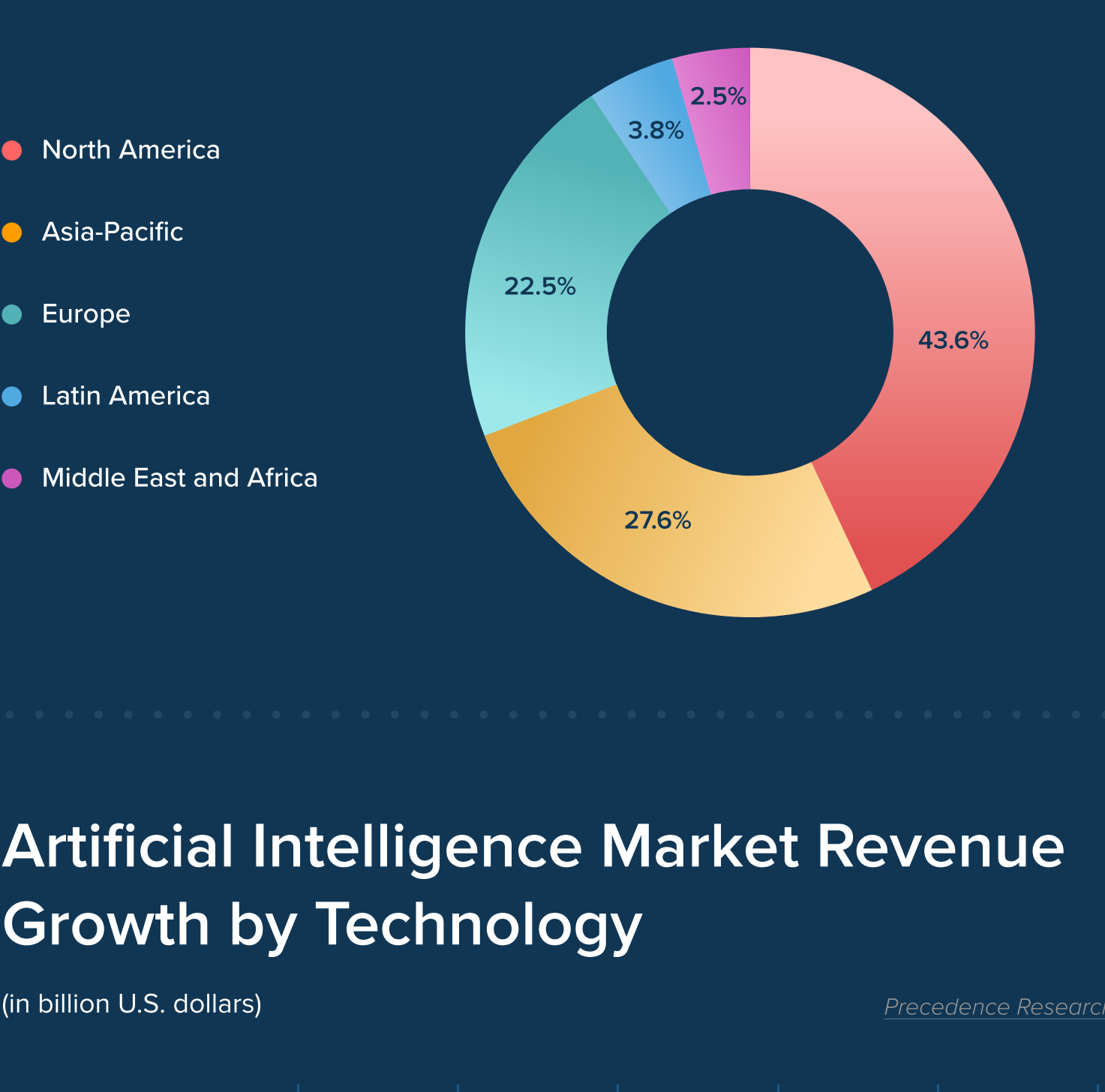
# Artificial Intelligence Statistics 2024



## AI Market Divide Globally in 2023 with a Forecast to 2030, by segment

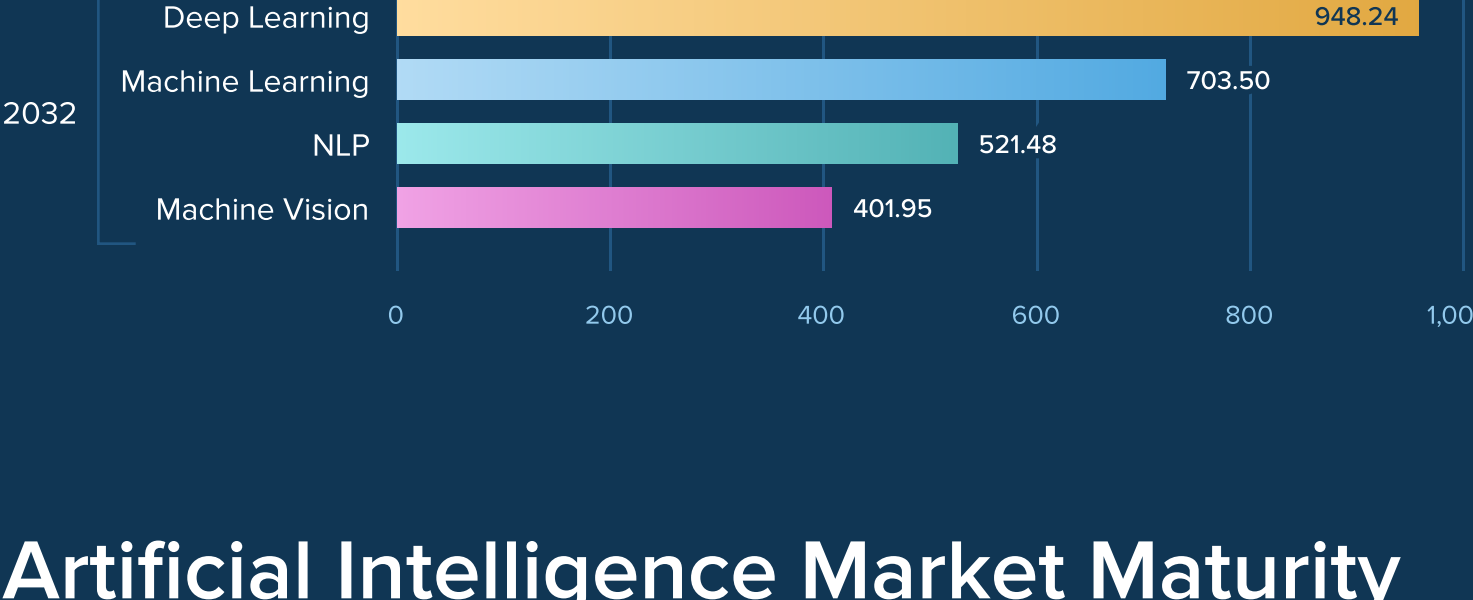
(in billion U.S. dollars)

*Statista*



## Artificial Intelligence Market Share by Region, 2024 (%)

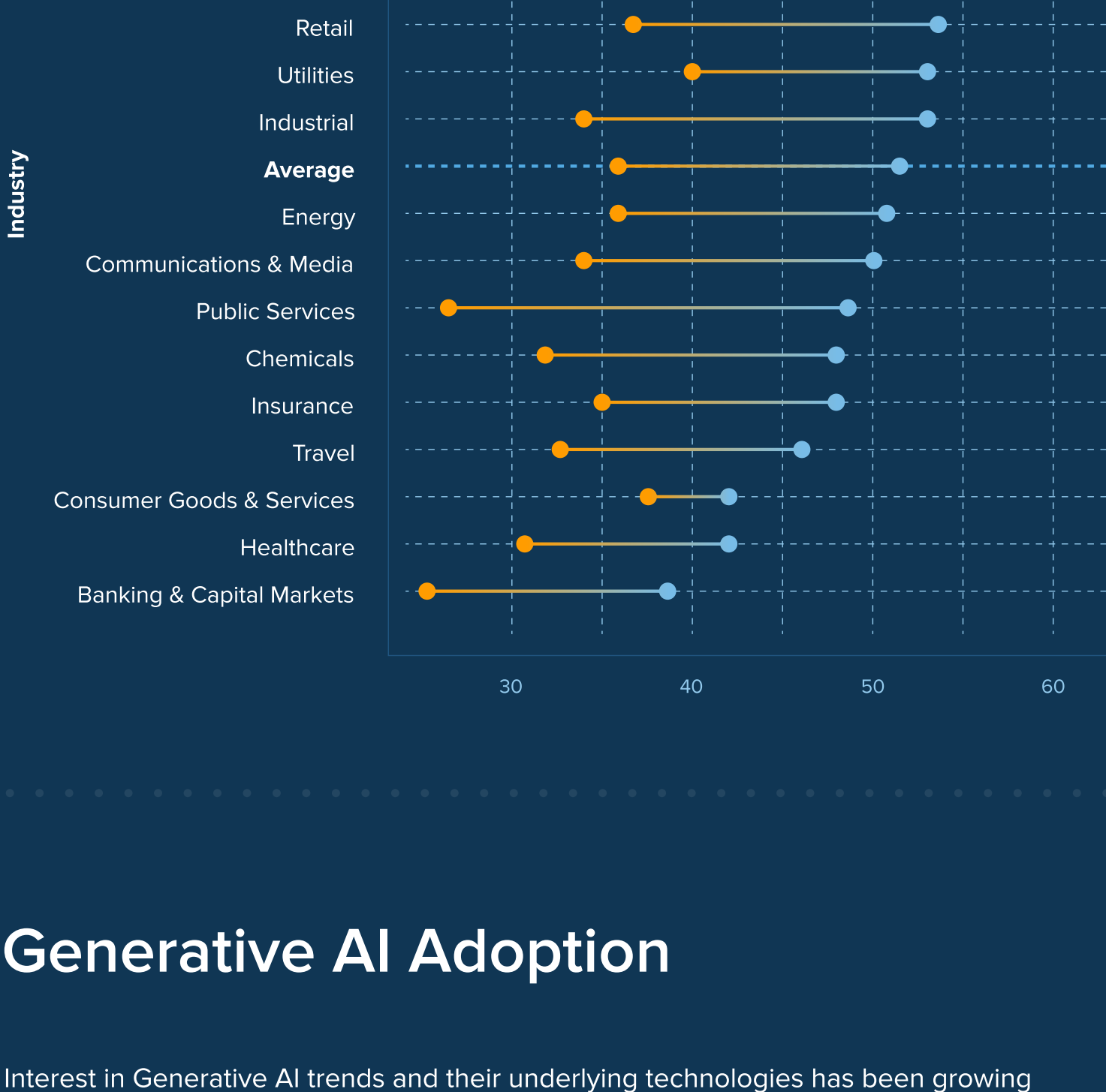
*Exploding Topics*



## Artificial Intelligence Market Revenue Growth by Technology

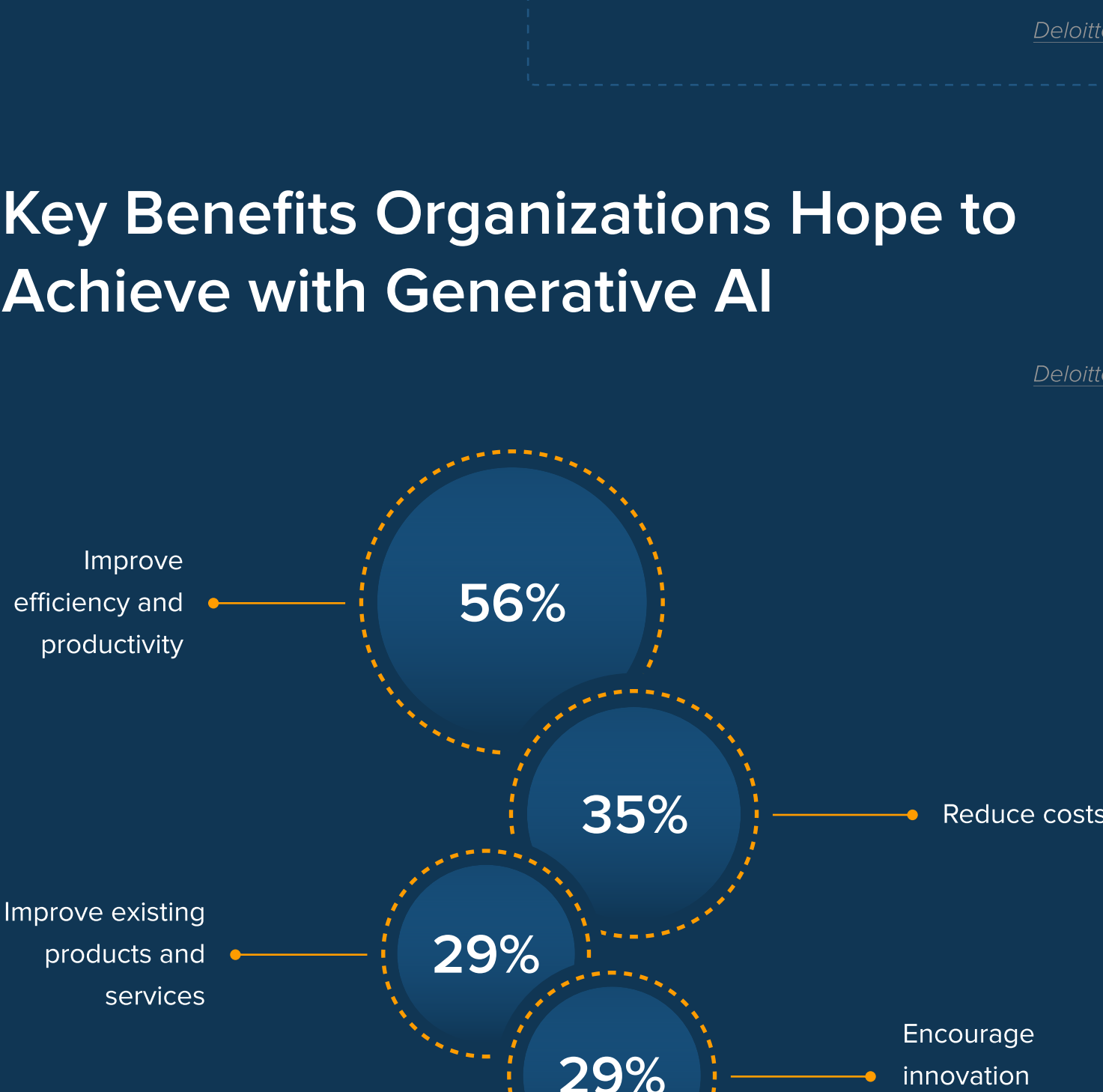
(in billion U.S. dollars)

*Precedence Research*



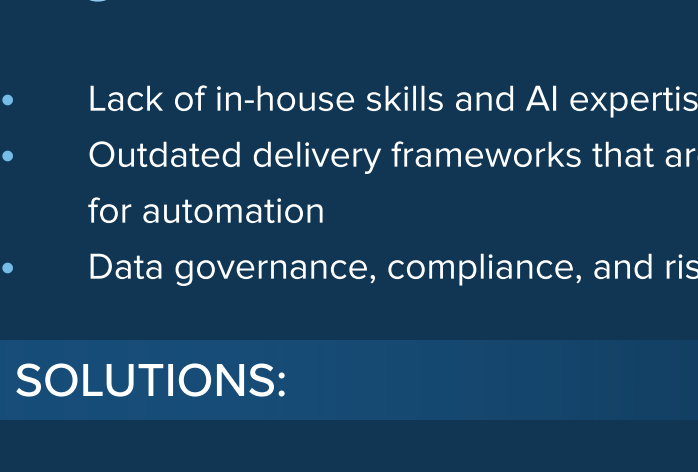
## Artificial Intelligence Market Maturity by Industry

*Accenture*



## Generative AI Adoption

Interest in Generative AI trends and their underlying technologies has been growing rapidly in recent times. It is actively used by consumers, and companies are trying to understand how to leverage its full potential. There are numerous benefits the technology holds, leading to new opportunities, higher competitiveness, enhanced efficiency, and more. Let us dwell on Generative AI benefits below:



## Key Benefits Organizations Hope to Achieve with Generative AI

*Deloitte*



## Current AI Adoption Challenges

Despite the tremendous speed of AI spread around the world, businesses still face some constraints that slow down AI software implementation processes. Here are the most concerning AI adoption challenges and some practices to overcome them:

### Organizational challenges:

- Lack of in-house skills and AI expertise
- Outdated delivery frameworks that aren't cut out for automation
- Data governance, compliance, and risks.

### SOLUTIONS:

- Bringing outside experts to implement AI-based projects
- Adopting Agile and DevOps approaches to ensure continuous development and delivery and respond to unclear requirements and outcome
- Developing standardized data management practices
- Developing a comprehensive AI adoption strategy or turning to AI providers to get it worked out.

### Business challenges:

- Inability to define AI business use cases with measurable value
- Inability to calculate TCO, performance, and ROI for the project.

### SOLUTIONS:

- Coming with a particular scenario, problem statement, or use case that employs AI methods and techniques
- Calculating the impact of artificial intelligence according to the AI maturity within a company (TCO – for early adopters, AI performance – for developed projects, ROI – for high performers)
- Turning to a technology partner to validate your business case for AI and the feasibility of your solution.

### Data challenges:

- Inability to integrate data from diverse sources due to siloed infrastructure
- Inability to prepare and clean data for AI development
- Lack of self-service access to data
- Lack of the right talent and expertise to manage the data value chain.

### SOLUTIONS:

- Assessing the current data landscape
- Getting a clear understanding of the current data platform architecture, data security, and privacy policies in place
- Establishing consistent data management practices to ensure quality, free-flowing data
- Transforming isolated data platforms into a single source of truth
- Engaging data experts in building a robust data core, ready for artificial intelligence.

## Infrastructure challenges:

- Lack of interoperability between AI technologies and a legacy infrastructure
- On-premise, bulky systems
- Lack of the right talent and expertise to transform an organization's IT infrastructure.

### SOLUTIONS:

- Migrating to the cloud to build a flexible, scalable, and cost-effective infrastructure ready for artificial intelligence
- Adopting the MLOps approach to automate and gain visibility into all steps of ML system development, including integration, testing, releasing, deployment, and infrastructure management.

## Top Business Use Cases

Here you can see the key AI applications across various business niches:

*Forbes Advisor*



## Trends in Artificial Intelligence

