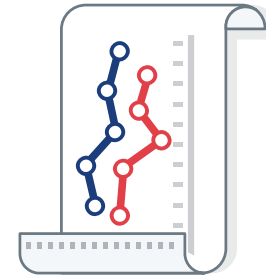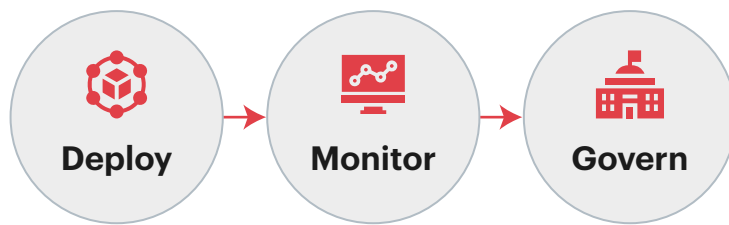# 5 Data & Analytics Trends to Watch in 2022

1 Increased AI Success with MLOps

Only **53%** AI Proof of Concepts make it to Production
Source: Gartner

MLOps define the best practices and processes to take AI/ML models to production and operationalize them.

Deploy → Monitor → Govern

3X more value can be generated in enterprises' AI efforts by leveraging MLOps best practices
Source: Gartner

Impact: MLOps help businesses create stable ML models with application-level quality.

2 Explosion of Enterprise Data

Organizations with mature enterprise data strategy report higher profit growth at an average of
5.97%
Source: Cloudera

Reasons for this explosion

- Increased proliferation of IoT devices and sensors
- Transaction records
- Cloud storage and migration
- Digitization
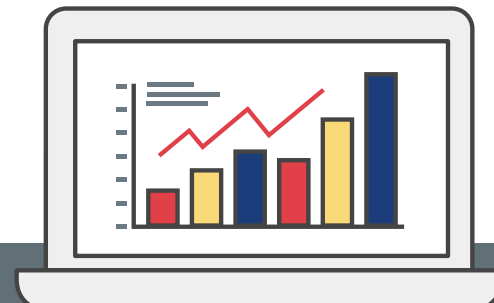- Effective data management across departments

How the enterprises will benefit?

- Greater access enterprise-level queries
- Diverse data generators
- Multi department collaboration
- Improve the effectiveness of risk management models
- Create smarter strategies
- Data-driven decision and innovation

Impact: Opportunity for Enterprise Architecture leaders to provide an enterprise view against which hundreds of decisions comprising data initiatives are made.

3 Mature data governance empowers data citizens

Data challenges

1. A large chunk of data remains unused due to data management and security challenges
2. **30%** of total enterprise time spent on non-value-added tasks
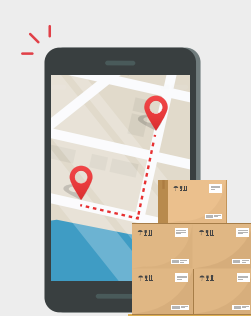
Benefits of a robust data governance policy

- Maximize the value from data
- Manage the risk of data misuse
- Ensure that the right people have access to the right data

Impact: A mature data governance framework standardizes data systems, promotes data transparency, provides access to high-quality data, and enables self-service analytics.

4 Data becomes a key driver for business resiliency

87% Supply Chain Professionals Plan to invest in Resilience and Agility In the next 2 years
Source: Gartner

Impact: Data analysis can address organizational challenges, increase transparency, and give managers the insights to make better decisions.

Procurement analytics and forecasting become crucial to analyze potential risks in the supply chain and improve the ability to respond efficiently.

5 Evolution of Multi-cloud

The multi-cloud approach is now evolving with companies not only switching between clouds but using specific platforms such as Databricks and Snowflake to leverage the best of their offerings.

Benefits of the multi-cloud strategy

- Distribute computing resources
- Minimize the risk of downtime and data loss
- Leverage niche services from the best vendors
- Avoid vendor lock-in

Impact: Cost-effective approach allowing companies to utilize highly competitive services and add developmental capabilities without adding specialized staff.

Looking to infuse the latest data science and data engineering trends into your business strategy? Reach out to us at marketing@sigmoidanalytics.com

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