

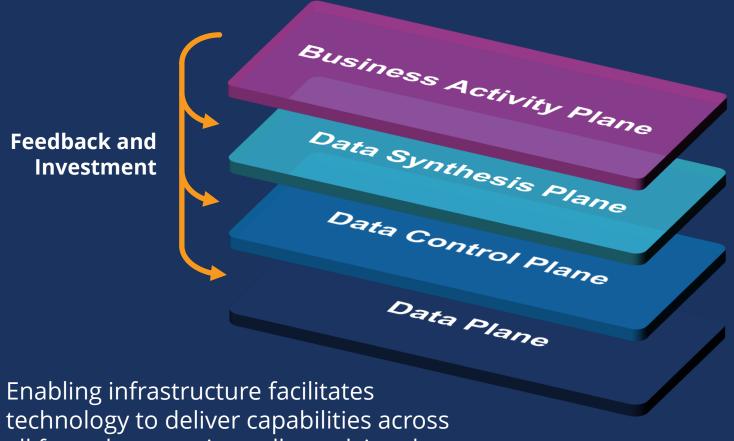
Agenda

- Enterprise intelligence architecture for Al-ready data
- The future of enterprise intelligence
 - Data plane
 - Data control plane
 - Data synthesis plane
 - Business activity plane
- The future of data people
- Advice for technology vendors





Enterprise intelligence architecture for Al-fueled business



Data products are created, assembled, managed, and delivered to business activities for data-driven, Al-enabled outcomes.

all four planes, universally applying data protection, security, and compliance



Enterprise priorities driving AI strategy in 2025

What are the most important issues to address in Al strategy in 2025?









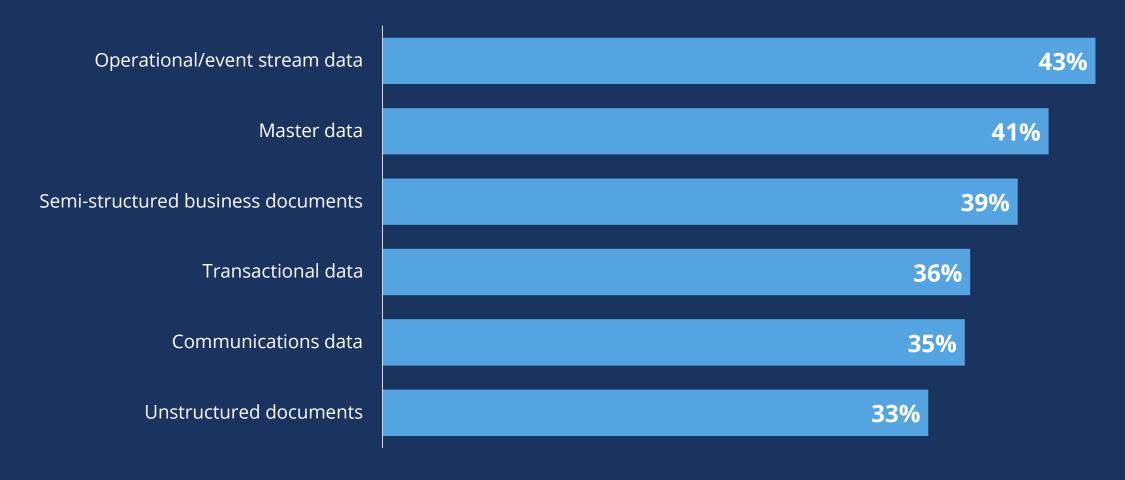
Al-ready data disruption





All types and sources of data are being used with Al this year

Which types of data will be the most important for your organization to use in AI efforts through 2025?

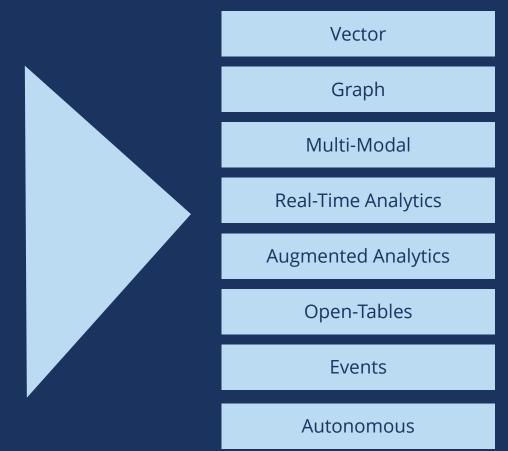




Future state of data management



Integrated Vector Unstructured **Vector Native Content Repositories** Analytical Descriptive Analytics **Predictive Analytics** Time-Series Operational Relational **Events**





Current State

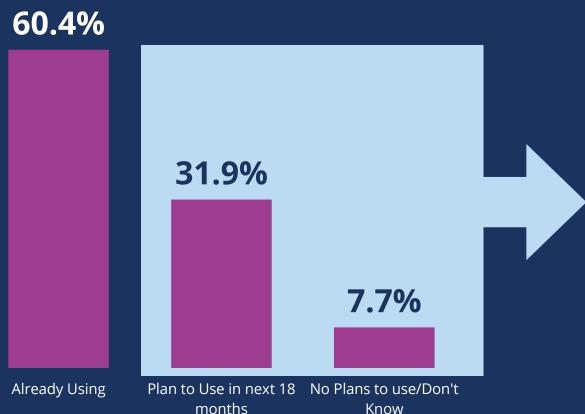
Future State

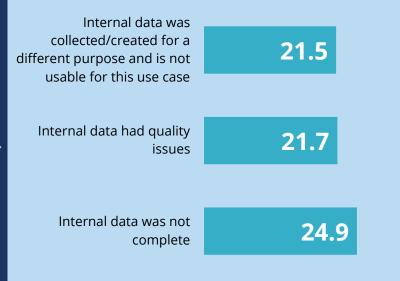


Organizations are also sourcing external data for Al

Planning to utilize internal data to train GenAl

Why enterprises sought external data



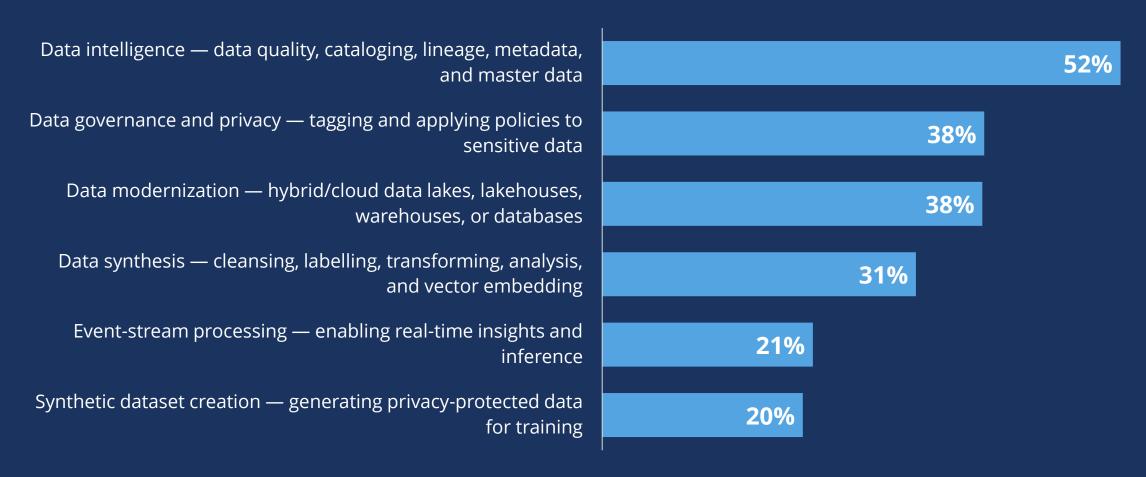






Data control plane functions are in focus for Al data readiness

What is your organization's most important data-related area of focus and investment?





Future state of data control

Intelligence

Catalogs

Profiles

Semantics

Governance

Policies

Control

Observability

Engineering

Ingestion and Transformation

Replication and Federation

Mastering and Cleansing

Continuous Intelligence

Policy Automation and Enforcement

Anomaly Detection and Resolution

Zero-ETL Zero-Copy

Event Processing and Control



Stewart Bond
Data Intelligence
and Integration
Research

Current State Future State



Data products will be key to facilitating data exchange among agents, but challenges will arise in standardization

Domain data products

Customer

Supplier

Employee

Product / Thing

Asset

Site

Chart of accounts

Operational data products

Bills of material

Work orders

Delivery schedules

Production metrics

Contracts

Financial data products

Day sales outstanding

Operating costs

Freight costs

Account balances

Bookings

Business analytics

Churn models

Recommendation engines

Simulation engines

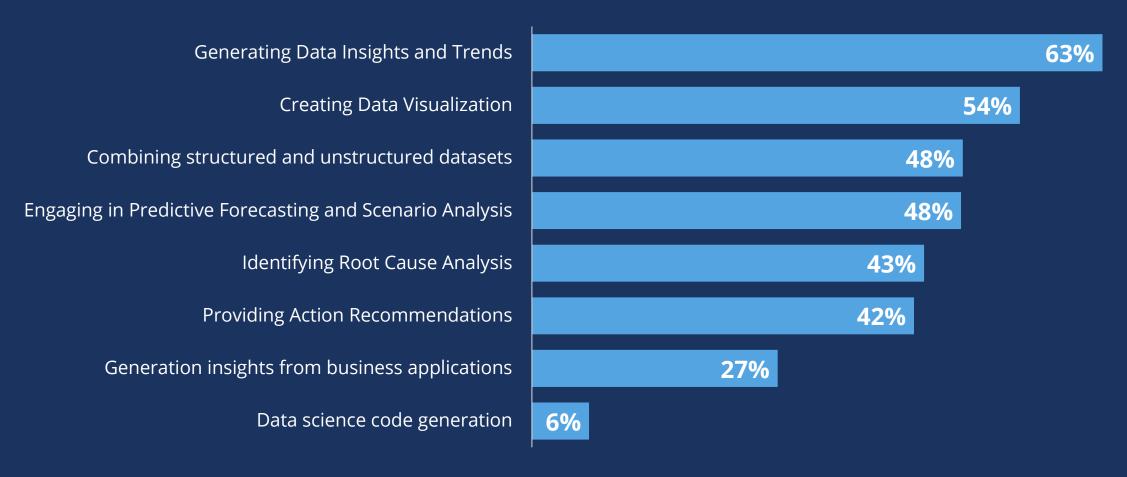
Forecasting engines

Risk models



AI will enable headless BI and democratization of insights

Which of the following use cases do you believe GenAl technologies can make the most impact when it comes to Bl/analytics?







Future state of data synthesis

Structured

Analytics and Al

Ad hoc, Data and Al team dependent

Limited Automation

Distinct

Structured, Unstructured

Generation Data

Automated

Headless



Megha Kumar

Enterprise
Intelligence,
Business Analytics
and Decisioning
Research

Current State Future State



Data platforms can contribute the top three business benefits being asked about of IT

Which of the following agentic Al-related business benefits are most sought information or advice from IT?

35%

Significantly improving operational efficiency

2

32%

Reducing costs through automation

3

29%

Enabling data-driven decision-making



Future state of data platforms

Data Synthesis Plane
Data Control Plane

Data Plane

Analytics and Al

Control

External

Descriptive

Technical Metadata

Access and Authorization

Data Engineering

Warehouse

Lake

Lakehouse

Proprietary and Open Table Formats

Internal

Predictive and Prescriptive

Data Intelligence

Automated Engineering and Data Agents

Lakehouse

Open Table Formats

Automated Cost Optimization

Marlanna Bozicevich Data Platforms Research

Current State

Data

Future State



Al ready data will enable agentic Al in the evolution of workflows

What is the level of agreement with each of the following statements related to how the introduction of Al agents within enterprise applications?

1

83%

Al agents create a new intelligence layer over apps, eliminating barriers to switching between apps 2

80%

Al agents are the new enterprise apps





Future state of data-driven business activities

Business Activities

Human Centric

Multiple step business processes

Limited Automation

Human on the Loop

Re-defining business processes

Automated

Current State Future State



Future of data people

By 2028, 60% of chief data and analytics officers in G2000 companies will rival the CIO in terms of influence on enterprise spending in technology.

Future roles within data teams

Data and model orchestrators

Managing and making data and models accessible

Data FinOps

Managing model selection and workload placement

Overall agent accountability

Will it be the CDO? Or will it be the COO or CHRO?



Technology vendors: help data teams achieve their goals

1

Implementing AI to improve productivity of data operations

Al capabilities are now table stakes in data software, from databases to data synthesis 2

Increasing the influence of data and analytics leadership on technology budgets

Demonstrate the real business value of your products, helping to build business cases 3

Establishing/ improving data processing and utilization to optimize costs

Intelligent data storage and compute for cost optimization with flexible pricing 4

Reskilling/ upskilling data workers to leverage Al

Change management is now a significant part of customer onboarding and success 5

Sourcing of trusted external proprietary data for Al training and embedding

Facilitate internal and external data sourcing for Al training and tuning 6

Establishing/ improving data product management and delivery practices

Have a data product strategy; Agents will consume and communicate in data products



