# Delivering Business Value through Data Governance

**Nadeem Siddique**
**Solution Strategist**

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Where Next Meets Now.

# Data governance investments deliver added value to organizations

Organizations investing in data governance are realizing added value, starting with progress towards increasing data quality and trust.
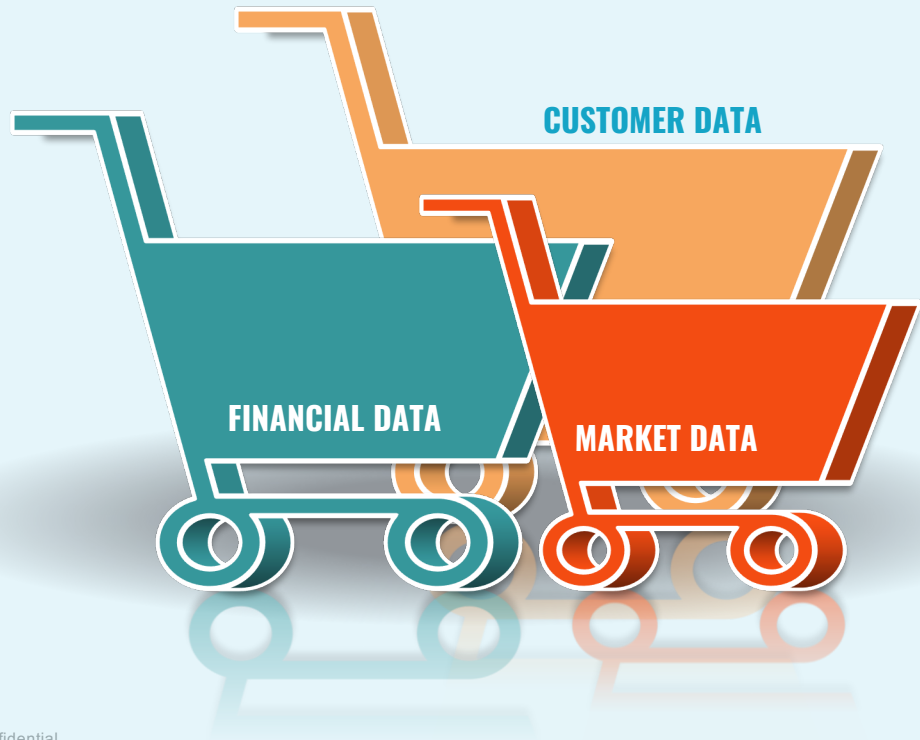
Data Governance and Intelligence is a $20+ Billion (USD) market and will grow at 13.6% between 2022-2026

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# Enabling data self-service

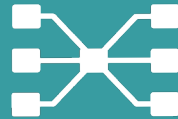# Raising data literacy

# 2x increase in driving data governance initiatives

CUSTOMER DATA

FINANCIAL DATA

MARKET DATA
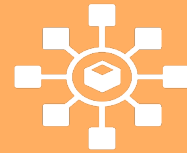
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# 7 steps to maximize data value

with erwin® by Quest® data modeling and intelligence

**Value**

EFFECTIVE

MANAGED

PROACTIVE

REACTIVE

**Shop** — Make trusted, governed data widely accessible

**Score** — Automate data value scoring

**Observe** — Raise data visibility and integrate data quality

**Govern** — Apply business rules and policies

**Curate** — Enrich with business context

**Catalog** — Search & find data easily

**Model** — Design data architecture

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7 steps to maximizing the value of your data

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# How does erwin Data Intelligence speed data governance ROI?

## Quickly Stand Up a Governance Initiative

Fit to your governance framework
Out-of-the-box glossaries, templates
Capabilities to speed onboarding
Services expertise when needed

## Automation for Full Landscape Visibility

Automated metadata harvesting
Automated data mapping
Data lineage for IT and business
Sensitive data identification
Integrated data quality

## Efficient Data Stewardship

Business glossary management
AI for asset discovery/classification
Data governance workflows
Dashboarding of stewardship progress
Mind maps/knowledge graphs
AI Model Governance
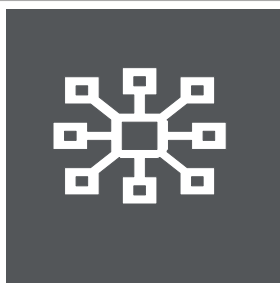
## Engage the Business

Consumer-friendly data marketplace
Easy discovery of assets with guardrails
Visuals to understand data & relationships
Crowdsources data knowledge
Sensitive data visibility for compliance/risk
Data quality visibility

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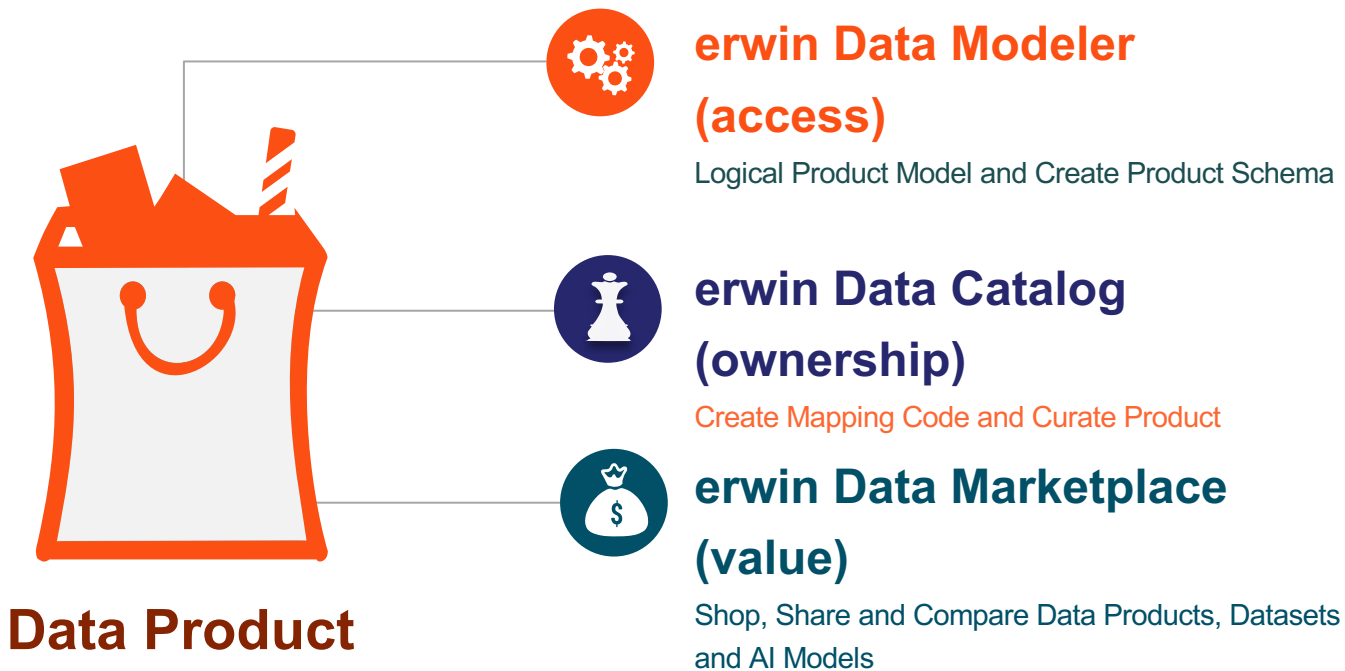
# Getting in front of AI governance

**Now is the time…**
Set the foundation for transparent and responsible AI and become audit-ready.

And leverage integrated data quality capabilities to monitor and quickly address AI-centric data drift.



**Fraud Detection**
Customer Operations→ Risk

| Data Value Score | Workflow Status | Rating | Rich Media Library | # Tags |
| SILVER | No Status | ★★★★★ | 0 | Governance |

**Asset Information**

**Definition**

Analyzes banking data to identify patterns and anomalies that may indicate fraudulent activity

**Description**

An AI model used for fraud detection in banking is a machine learning algorithm that analyzes large volumes of banking data to identify patterns and anomalies that may indicate fraudulent activity. The model is trained on historical data, which enables it to learn and adapt to new patterns of fraud as they emerge. The AI model uses a combination of supervised and unsupervised learning techniques to identify fraud, such as clustering and anomaly detection. The output of the model is a risk score, which is used by the bank to flag potentially fraudulent transactions for further investigation. The goal of the AI model is to improve the accuracy and speed of fraud detection, while reducing.. Show More

**Governance Responsibilities**

Model Owner
Monique Devine

**Classification**
Restricted
Restricted Models

**Additional Properties**

**Business Purpose**
The goal of the AI model is to improve the accuracy and speed of fraud detection, while reducing false positives and minimizing the impact on legitimate transactions.

**AI Model Type**
Linear Regression

**In Production**
YES

**Last Trained**
18-09-2022 00:00:01

**Audit History**

Created By
Administrator - Defau...
Created Date
19-05-2023 09:58:33

Last Modified By
Administrator - Defau...
Modified Date
19-05-2023 13:32:42

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# Accelerating data products delivery

**Data Product**

**erwin Data Modeler (access)**

Logical Product Model and Create Product Schema

**erwin Data Catalog (ownership)**

Create Mapping Code and Curate Product

**erwin Data Marketplace (value)**

Shop, Share and Compare Data Products, Datasets and AI Models

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# Thank You

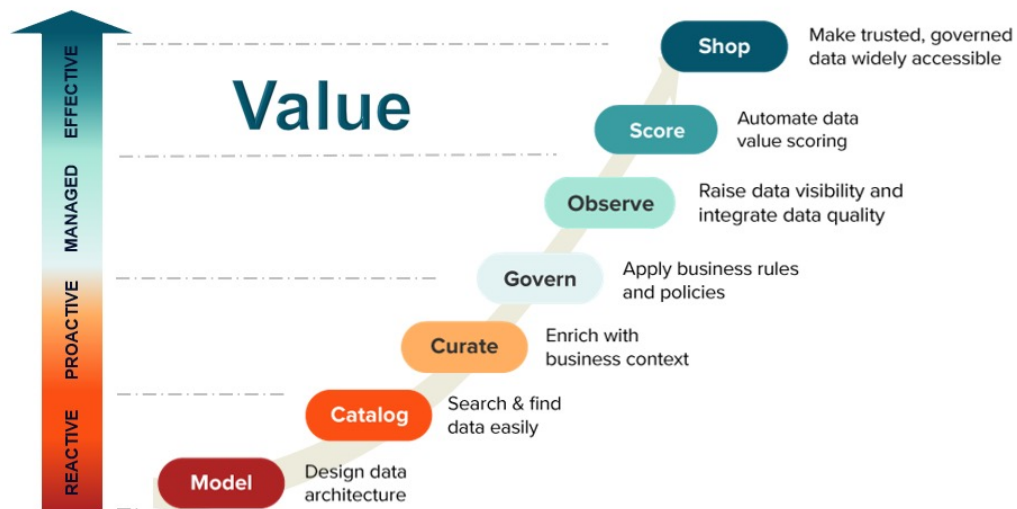**Nadeem Siddique**

**erwin by Quest**
nadeem.siddique@quest.com

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**www.erwin.com**

**Accelerate data governance from model to marketplace with erwin by Quest**

# Appendix

# erwin Data Intelligence by Quest

**Combines data catalog, data quality, data literacy and data marketplace capabilities to support IT and business needs, deliver data governance and enable data consumers across the business.**

## erwin Data Intelligence

### erwin Data Catalog

- Metadata ingestion & curation
- Auto-documented mapping
- Data lineage
- Impact analysis
- Integrated data quality
- and more

### erwin Data Quality

- Automated data profiling
- Data quality scoring
- Data observability & alerting
- Data remediation
- Data quality visibility for all
- and more

### erwin Data Literacy

- Glossary management
- Policy management
- Governance workflows
- AIMatch & stewardship
- Interactive mind maps
- and more

### erwin Data Marketplace

- Shop, share, compare data
- Automated value scoring
- AI model governance
- Social collaboration
- and more

**Standard Data Connectors** — A U T O M A T I O N — **Smart Data Connectors**

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# How can erwin help with data security and regulatory compliance?

- **Detailed data lineage** to trace the flow of impacted data throughout the organization

- **Sensitive data identification** alerting elements to protect and potential data access considerations

- **AI-assisted sensitive data classification** to speed data stewardship

- **Integrated policy guidance** through mind maps and **consumer-like asset discovery**

- **Auditing and compliance reporting** to ease compliance response

- **Data quality** to ensure data integrity and identify behavioral risks

- **Impact analysis** to visualize the impact of change to your data landscape

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