Real-World Data Governance

Integrating AI into Your Data Governance Framework

Monthly Webinar Series Hosted by DATAVERSITY

Robert S. Seiner – KIK Consulting
March 20, 2025 – 11:00 a.m. PT / 2:00 p.m. ET

Episode #158

Integrating AI into Your Data Governance Framework

Introduction

Real-World Data Governance – Monthly Webinar Series

April 17, 2025: How and Why to Conduct a Data Asset Inventory
Third Thursday each Month @ 2pm EST – Register at TDAN.com, KIKconsulting.com, DATAVERSITY.net

Dataversity Enterprise Data World (EDW) / Data Governance Information Quality (DGIQ)

May 5-9, 2025 – Tutorial – Data Governance Tools, Templates, and Techniques (5/5)

Non-Invasive Data Governance / Non-Invasive Data Governance Strikes Again Books

2014: ISBN 9781935504856 / TechnicsPub.com / Amazon.com (NIDG)
2023: ISBN 9781634623599 / TechnicsPub.com / Amazon.com (Strikes Again)
2025: ISBN 9781634625937 / TechnicsPub.com / Amazon.com (Unleashed)

Non-Invasive Data Governance / Metadata Governance Online Learning Plans

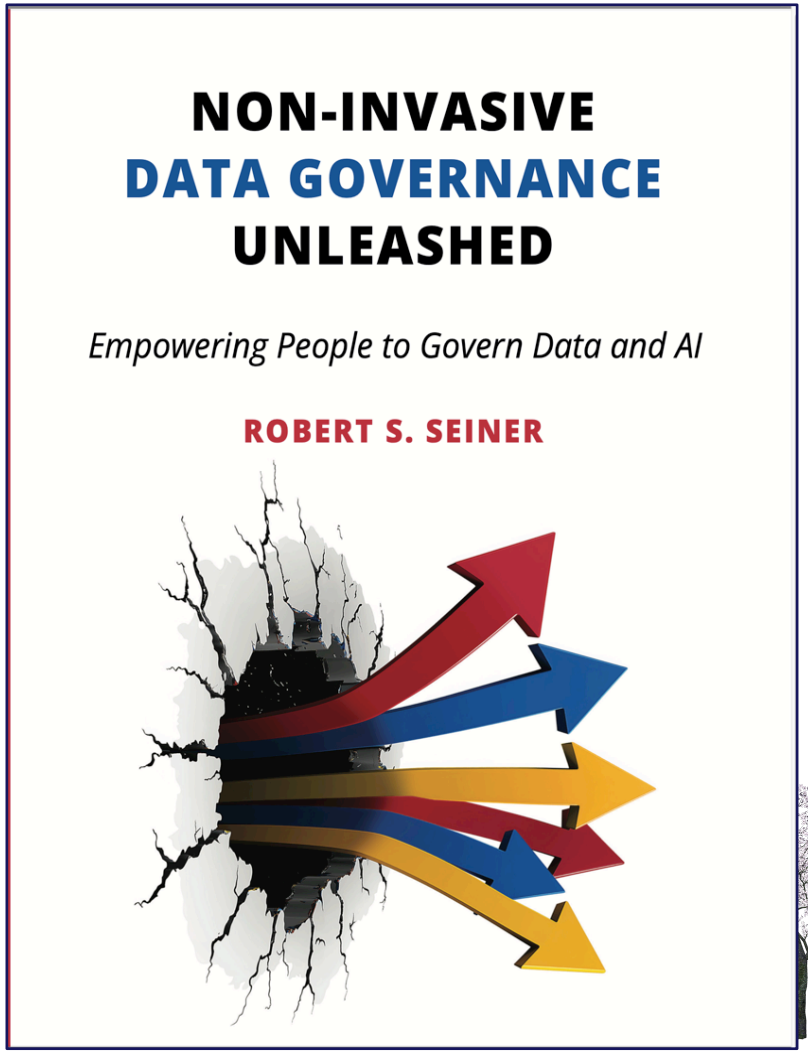
Most Recent: Business Glossaries, Data Dictionaries and Data Catalogs
DATAVERSITY Training Center – https://training.dataversity.net

KIK Consulting & Educational Services

KIKConsulting.com
The Home of Non-Invasive Data Governance™

Carnegie Mellon University (CMU)

Adjunct Faculty: Heinz College Executive Education
Chief Data and AI Officer (CDAIO) Certificate Program



Integrating AI into Your Data Governance Framework

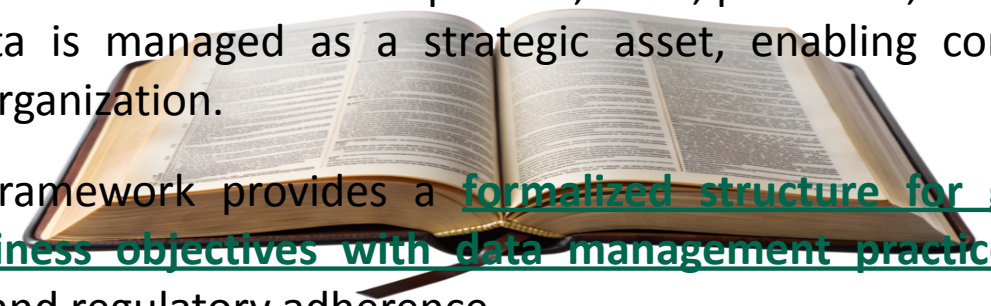
Abstract

- In this webinar, I will talk about …
  - The Intersection of AI and Data Governance
  - Key Steps to Integrating AI into Governance Frameworks
  - Managing AI-Driven Insights Responsibly and Ethically
  - Overcoming Challenges in AI Governance Integration
  - Examples of Successful AI Governance Implementations

Integrating AI into Your Data Governance Framework

Definitions

- Data Governance – The **execution and enforcement** of authority over data.
- Data Stewardship – **Formal accountability** for data.
- Data Steward – A **person held formally accountable** for their relationship to the data.
- Data Governance Framework –
  - A Data Governance Framework is a **structure and a manner to organize a repeatable data governance approach** that outlines and enables the data policies, roles, processes, communications, metrics, and tools needed to ensure data is managed as a strategic asset, enabling consistency, quality, security, and compliance across an organization.
  - A Data Governance Framework provides a **formalized structure for governing data throughout its lifecycle, aligning business objectives with data management practices** to support decision-making, operational efficiency, and regulatory adherence.



Integrating AI into Your Data Governance Framework
BWGS

- I just shared my definition of data governance. The execution and enforcement of authority over …
- AI Governance is the execution and enforcement of policies, practices, and oversight that ensures artificial intelligence systems are ethical, transparent, accountable, and aligned with organizational and regulatory requirements.

- So … I asked my favorite Gen AI engine for some reference-able great quotes about the dependency of AI on governed data … and this is how it responded …

“ ”

From ChatGPT

Integrating AI into Your Data Governance Framework
BWGS

- "Without high-quality, well-governed data, AI is just a guessing machine."
  Andrew Ng, AI Pioneer
- "AI is only as good as the data it learns from; bad data leads to bad decisions."
  Fei-Fei Li, Co-Director, Stanford Human-Centered AI Institute
- "The foundation of AI is data, and the foundation of trustworthy AI is governed data."
  Cassie Kozyrkov, Chief Decision Scientist, Google
- "If your data is a mess, your AI will be too – governance is not optional."
  Thomas Davenport, Author of "The AI Advantage"

“ ”

From ChatGPT

Integrating AI into Your Data Governance Framework
BWGS

- "AI without data governance is like a self-driving car with a dirty windshield – it won't get far."
  Doug Laney, BARC Fellow at BARC (Business Application Research Center)
- "AI's potential is limitless, but only if it is trained on clean, well-managed, and ethically sourced data."
  Kate Crawford, Author of "Atlas of AI"
- "AI amplifies data quality good or bad. Governance ensures AI works for you, not against you."
  Bernard Marr, AI & Data Thought Leader
- "Data governance isn't bureaucracy – it's the seatbelt AI needs to drive business intelligence safely."
  Robert S. Seiner, Inventor of Non-Invasive Data Governance

"" From ChatGPT

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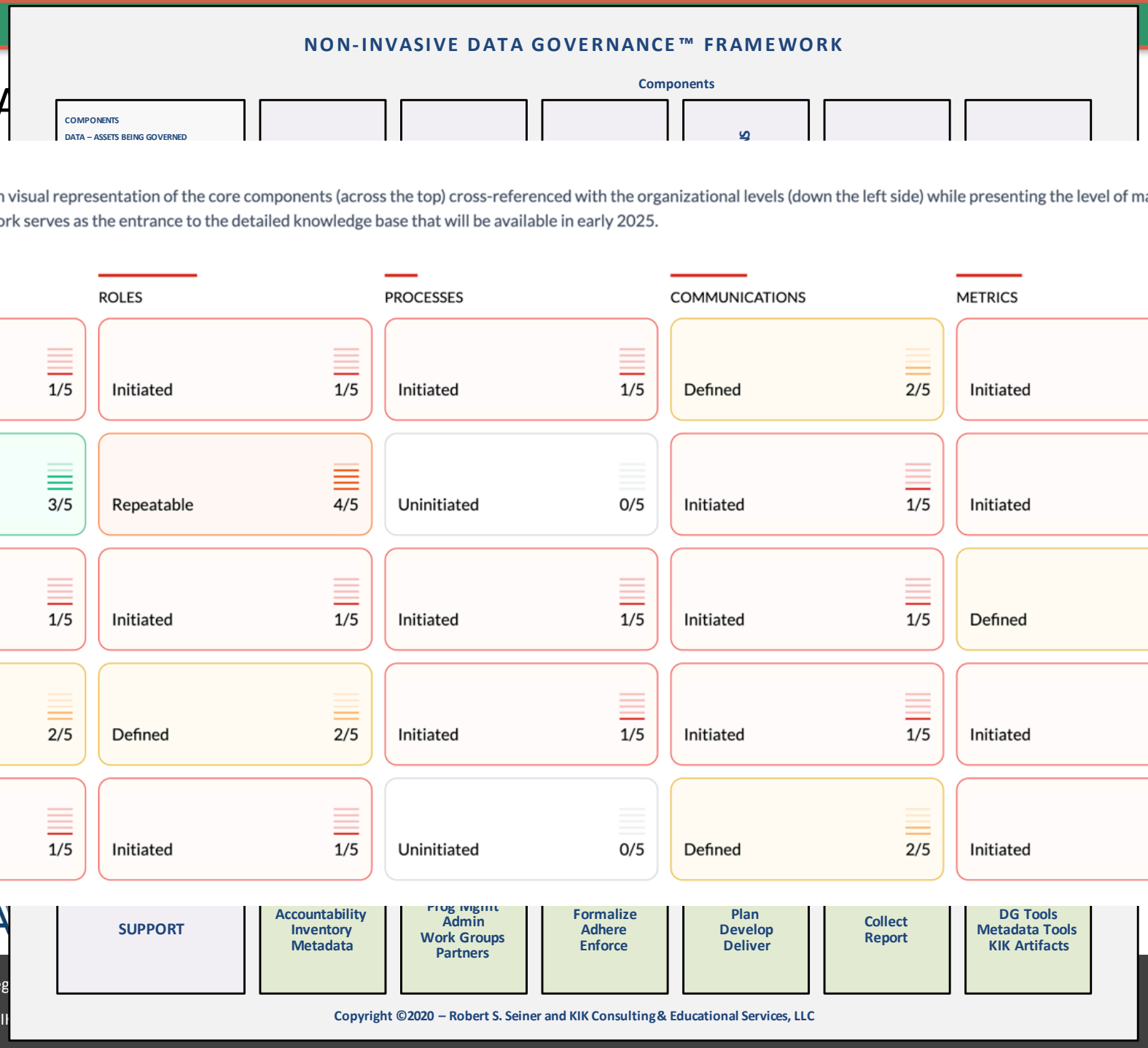
Integrating AI into Your Data Governance Framework

The Non-Invasive Data Governance Framework

- How a Framework Differs from a Model or Approach
  - Framework - Offers a high-level structure that organizes processes, roles, and relationships across an organization. Frameworks provide comprehensive structures that guide an organization in how to organize its data governance by defining the details of execution.
  - Model - More specific representations within a framework. They provide a blueprint or schematic that shows how particular components of the framework interact. While frameworks focus on high-level strategy, models zoom in on how something should be structured or work in detail.
  - Approach - The methodology or strategy that an organization uses to implement a framework or model. While frameworks outline what needs to be done, and models show the interaction between components, approaches offer a clear path for execution.

Integrating A



NIDG Framework

The framework matrix provides the main visual representation of the core components (across the top) cross-referenced with the organizational levels (down the left side) while presenting the level of maturity for each bridge (component cross referenced by level). The NIDG Framework serves as the entrance to the detailed knowledge base that will be available in early 2025.

	DATA	ROLES	PROCESSES	COMMUNICATIONS	METRICS	TOOLS
EXECUTIVE	Initiated 1/5	Initiated 1/5	Initiated 1/5	Defined 2/5	Initiated 1/5	Defined 2/5
STRATEGIC	Managed 3/5	Repeatable 4/5	Uninitiated 0/5	Initiated 1/5	Initiated 1/5	Initiated 1/5
TACTICAL	Initiated 1/5	Initiated 1/5	Initiated 1/5	Initiated 1/5	Defined 2/5	Managed 3/5
OPERATIONA	Defined 2/5	Defined 2/5	Initiated 1/5	Initiated 1/5	Initiated 1/5	Initiated 1/5
SUPPORT	Initiated 1/5	Initiated 1/5	Uninitiated 0/5	Defined 2/5	Initiated 1/5	Initiated 1/5

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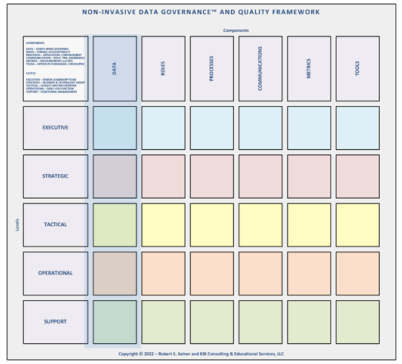
Integrating AI into Your Data Governance Framework

The Non-Invasive Data Governance Framework

Build an Effective AI and Data Governance Joint Framework
How to Complete the Framework and Leverage What is Included

- Data – Assets Being Governed
  - What and How will AI & Data be used by the …
    - Executive level
    - Strategic level
    - Tactical level
    - Operational level
    - Support level

Additional Dimensions to Consider:
What AI and data is critical for decision-making at each level?
How should data be accessed, shared, and used at each level?
What AI & data policies and standards are required at each level?



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Additional Dimensions to Consider:

What AI and data is critical for decision-making at each level?

How should data be accessed, shared, and used at each level?

What AI & data policies and standards are required at each level?

Question	Executive	Strategic	Tactical	Operational	Support
What AI and data is critical for decision-making at each level?	Executives need AI-driven insights like market trends, risk forecasts, and overall business performance metrics for strategic decisions.	Strategic leaders require AI data related to customer behavior, operational metrics, and predictive analytics to guide business functions.	Tactical teams rely on AI outputs for process improvements, real-time task management, and operational efficiency.	Operational teams need detailed AI data like workflow optimizations, machine outputs, and performance metrics to execute tasks.	Support teams focus on infrastructure health, system performance, and compliance, needing AI data on system reliability, security, and risk management.
How should data be accessed, shared, and used at each level?	Data should be accessed through executive dashboards, shared with leadership teams, and used for strategic initiatives.	Data should be accessed via reports and dashboards, shared across departments, and used to align operations with business goals.	Data should be accessed in real-time, shared within operational teams, and used to optimize performance.	Data should be integrated into operational tools, shared for reporting, and used for task execution.	Data should be accessed through monitoring systems, shared across IT and operations, and used for system support and collaboration.
What AI & data policies and standards are required at each level?	Policies should ensure compliance, ethics, and AI transparency. Standards must enforce accuracy and ethical AI use.	Standards must enforce data consistency and sharing. Policies ensure data-driven decision-making follows governance practices.	Policies should ensure timely, secure data use, while standards focus on efficiency and governance protocols.	Policies should ensure secure, correct data handling. Standards must enforce accuracy and AI insights consistency.	Standards must ensure system security and performance, with policies enforcing compliance and AI regulatory adherence.

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Roles

Integrating AI into Your Data Governance Framework

The Non-Invasive Data Governance Framework

Build an Effective AI and Data Governance Joint Framework
How to Complete the Framework and Leverage What is Included

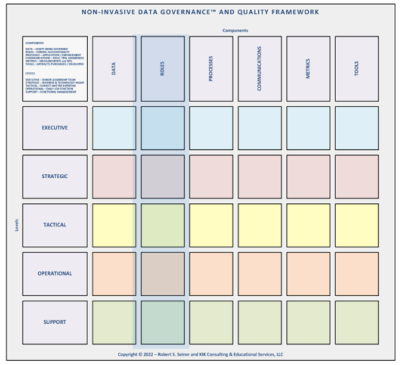
- Roles – Formal Accountability
  - What Role addresses AI & Data at the …
    - Executive level
    - Strategic level
    - Tactical level
    - Operational level
    - Support level

Additional Dimensions to Consider:

What are the AI and data-related responsibilities and accountabilities?

How should related communication and collaboration be facilitated?

What skills, knowledge, and training are required for each role?



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Additional Dimensions to Consider:

What are the AI and data-related responsibilities and accountabilities?

How should related communication and collaboration be facilitated?

What skills, knowledge, and training are required for each role?

Question	Executive	Strategic	Tactical	Operational	Support
What are the AI and data-related responsibilities and accountabilities?	The executive team ensures AI and data align with strategic goals and oversees governance structures, ensuring ethical AI use.	Strategic leaders align business unit goals with AI and data, ensuring governance is followed and AI adds value.	Tactical teams manage the implementation of AI tools and data governance initiatives across functions.	Operational teams handle day-to-day AI tool use and ensure data is consistently governed.	Support teams maintain technology infrastructure and ensure compliance, handling system maintenance and risk management.
How should related communication and collaboration be facilitated?	Communication should be top-down, with regular briefings and strategy sessions to set the governance culture.	Collaboration across departments, including cross-functional meetings, and close work with executives and operational teams.	Regular updates and collaborative tools for tracking AI and data progress, fostering communication between teams.	Daily meetings and direct collaboration with Tactical teams, with feedback loops for improvement.	Integrated communication across IT, HR, InfoSec, with shared platforms and regular check-ins with operational teams.
What skills, knowledge, and training are required for each role?	Executives need high-level AI and data governance knowledge, with leadership training in AI ethics and decision-making.	Strong project management skills, understanding of AI applications, and data governance training.	Training in AI technologies, data systems, governance policies, and experience with AI tools.	Practical skills in data handling, AI tools familiarity, and clear governance protocol training.	Technical skills in IT, risk management, compliance, and training in AI risk and security management.

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Data

Integrating AI into Your Data Governance Framework

The Non-Invasive Data Governance Framework

Build an Effective AI and Data Governance Joint Framework
How to Complete the Framework and Leverage What is Included

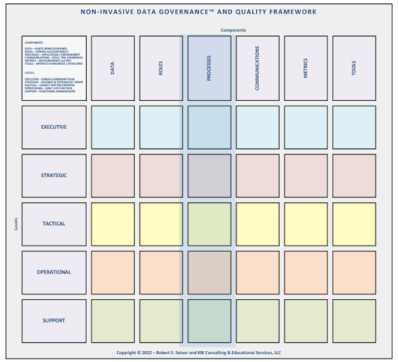
- Processes – Application / Enforcement
  - What AI & Data Processes are important at the …
    - Executive level
    - Strategic level
    - Tactical level
    - Operational level
    - Support level

Additional Dimensions to Consider:

What are the AI and data-related processes and workflows?

How should related decision-making and escalation occur?

What are the AI and data governance compliance and audit mechanisms?



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Additional Dimensions to Consider:

What are the AI and data-related processes and workflows?

How should related decision-making and escalation occur?

What are the AI and data governance compliance and audit mechanisms?

Question	Executive	Strategic	Tactical	Operational	Support
What are the AI and data-related processes and workflows?	At the executive level, processes focus on high-level oversight, ensuring that AI initiatives align with organizational goals and ethical standards. Data flows are reviewed through dashboards, and strategic decisions are made based on performance metrics and predictive AI models.	Strategic leaders manage workflows that apply AI insights to drive business function performance, overseeing the integration of AI models with business operations and ensuring data-driven strategies are implemented.	Tactical teams oversee the hands-on execution of AI tools and data governance procedures, ensuring that data flows smoothly through operational systems, and AI outputs are used for optimizing tasks and workflows.	Operational teams engage in daily data handling and AI tool use, maintaining processes that ensure data quality and the correct application of AI insights at a task-specific level, directly influencing functional outputs.	Support teams handle the infrastructure and compliance aspects, managing workflows that ensure data systems are maintained, AI tools are operational, and all processes adhere to regulatory and technical standards.
How should related decision-making and escalation occur?	Decision-making at the executive level should be strategic, with escalation channels that involve key business leaders when issues arise. Escalations occur based on data quality or ethical concerns related to AI.	Escalations at the strategic level should happen when business goals are at risk due to data or AI issues. Decision-making is informed by cross-functional collaboration, with direct reports feeding concerns upward.	Tactical teams escalate when operational inefficiencies or data inconsistencies are detected. They facilitate decisions by working with operational teams and ensuring alignment with broader strategic objectives.	Decisions at the operational level should be immediate and tied directly to the day-to-day tasks. Escalations occur when operational issues with AI tools or data handling arise, moving up to tactical teams for resolution.	Support teams escalate when there are compliance breaches, system failures, or infrastructure risks. Decision-making happens in collaboration with operational and tactical teams, ensuring smooth technical and compliance support.
What are the AI and data governance compliance and audit mechanisms?	At the executive level, audits should focus on the ethical use of AI, alignment with strategic goals, and regulatory compliance. Compliance mechanisms include periodic reviews and executive-level dashboards tracking AI and data use.	Strategic audits ensure that AI tools and data governance are driving business success, with mechanisms in place to track KPI alignment, process adherence, and cross-functional accountability.	Tactical compliance focuses on operational consistency, with audits reviewing how AI is applied in day-to-day workflows and ensuring data governance policies are followed. Mechanisms include frequent process checks and operational reviews.	Operational teams should be subject to audits that assess data accuracy, AI tool effectiveness, and daily adherence to governance policies. Compliance mechanisms include routine performance evaluations and quality control checks.	Support teams are responsible for maintaining system audits that assess compliance with security, risk management, and data governance protocols. Mechanisms include automated system alerts and scheduled security reviews.

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Processes

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Integrating AI into Your Data Governance Framework

The Non-Invasive Data Governance Framework

Build an Effective AI and Data Governance Joint Framework
How to Complete the Framework and Leverage What is Included

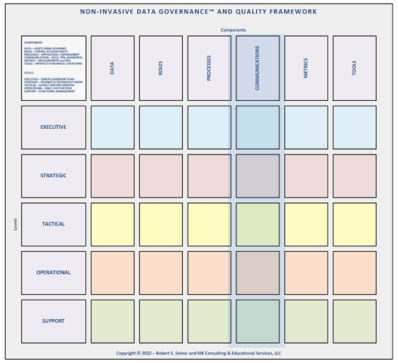
- Communications – Education, Training and Awareness
  - What AI & Data Cx need to shared at the …
    - Executive level
    - Strategic level
    - Tactical level
    - Operational level
    - Support level

Additional Dimensions to Consider:

What are the AI and data communication needs and requirements?

How should related information be disseminated and shared?

What is the AI and data governance communication plan and strategy?



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Additional Dimensions to Consider:

What are the AI and data communication needs and requirements?

How should related information be disseminated and shared?

What is the AI and data governance communication plan and strategy?

Question	Executive	Strategic	Tactical	Operational	Support
What are the AI and data communication needs and requirements?	Executives need concise, high-level communication that provides AI-driven insights and data trends aligned with organizational goals. The focus is on strategic impact and ROI.	Strategic leaders require detailed communications connecting AI and data performance to business outcomes, enabling data-driven decisions.	Tactical teams need real-time data and AI communications that directly affect operational decisions, focusing on performance and process optimization.	Operational teams need regular updates on data accuracy, AI tool usage, and daily metrics related to task execution. Communication should be specific and actionable.	Support teams require technical communications regarding system performance, compliance, risk management, and AI infrastructure health.
How should related information be disseminated and shared?	Information should be shared through executive dashboards, summary reports, and regular briefings with top-down clarity.	Information should be shared across departments through reports, meetings, and collaboration tools to ensure cross-functional alignment.	Information should be shared through operational dashboards, team meetings, and collaborative platforms to ensure timely access to insights.	Information should be shared in real time, integrated into the tools they use, with daily meetings and quick reports.	Information should be disseminated through technical reports, system alerts, and regular check-ins with operational and tactical teams.
What is the AI and data governance communication plan and strategy?	The communication strategy should emphasize regular updates on AI and data governance progress, highlighting strategic wins, risks, and compliance updates.	The communication plan should keep leaders informed of AI model performance and data trends, promoting cross-departmental transparency and cooperation.	The communication strategy should focus on consistent updates regarding data quality, AI tool efficiency, and operational adjustments, with clear feedback channels.	The communication strategy should emphasize practical updates for day-to-day tasks, with quick feedback loops to tactical teams for improvement.	The communication plan should ensure timely and clear updates about system status, security, and compliance, with strong coordination between teams.

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Communications

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Integrating AI into Your Data Governance Framework

The Non-Invasive Data Governance Framework

Build an Effective AI and Data Governance Joint Framework
How to Complete the Framework and Leverage What is Included

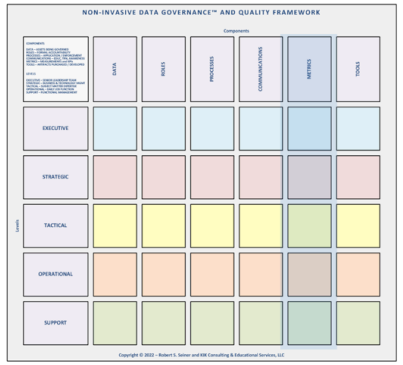
- Metrics – Measurements and KPIs
  - What AI & Data Metrics are important at the …
    - Executive level
    - Strategic level
    - Tactical level
    - Operational level
    - Support level

Additional Dimensions to Consider:

What are the KPIs and metrics relevant to each level's objectives?

How should the AI and DG metrics be collected, analyzed, reported?

What are the thresholds and targets for AI and data governance metrics?



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Additional Dimensions to Consider:

What are the KPIs and metrics relevant to each level's objectives?

How should the AI and DG metrics be collected, analyzed, reported?

What are the thresholds and targets for AI and data governance metrics?

Question	Executive	Strategic	Tactical	Operational	Support
What are the KPIs and metrics relevant to each level's objectives?	High-level KPIs such as ROI from AI initiatives, compliance rates, and strategic alignment of AI and data governance with business goals.	AI model performance, operational efficiency gains, and the impact of data governance on business outcomes.	Process optimization, AI tool efficiency, and data governance execution through metrics like task completion rates and error reduction.	Daily task performance, data quality, and AI tool accuracy in supporting operations.	System uptime, compliance adherence, and AI infrastructure performance are key KPIs for Support teams.
How should the AI and DG metrics be collected, analyzed, reported?	Automated systems should collect metrics, analyzed via dashboards, and reported in executive summaries focusing on trends, risks, and successes.	Metrics should be gathered via cross-functional reports, analyzed by BI tools, and shared through collaborative meetings.	Metrics from operational dashboards, analyzed by team leads, should be reported in weekly reviews to address process bottlenecks.	Metrics integrated into operational tools, analyzed during daily check-ins, and reported in short-form summaries for immediate feedback.	Metrics collected via system monitoring tools, analyzed by support teams, and reported in technical reviews, with trends shared across teams.
What are the thresholds and targets for AI and data governance metrics?	Targets: 95% accuracy to business goals, compliance rates over 90%, positive ROI on AI initiatives.	Thresholds: AI model accuracy over 85%, data governance adherence at 90%, with targets for measurable operational improvements.	Targets: AI tool efficiency above 90%, data governance process improvements, error reduction of 10% per quarter.	Thresholds: Task accuracy at 95%, AI-driven productivity improvement by 15%, data quality checks meeting 98% accuracy.	Thresholds: System uptime at 99.9%, compliance adherence at 100%, AI infrastructure uptime at 95% with minimal issues.

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Metrics

Integrating AI into Your Data Governance Framework

The Non-Invasive Data Governance Framework

Build an Effective AI and Data Governance Joint Framework
How to Complete the Framework and Leverage What is Included

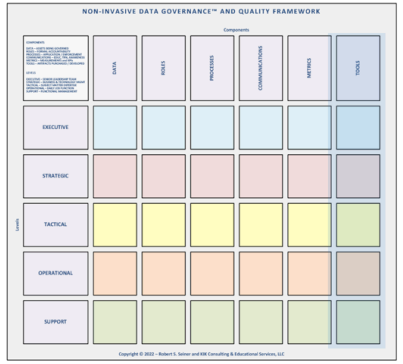
- Tools – Artifacts Purchased & Developed
  - What AI & Data Tools are valuable for the …
    - Executive level
    - Strategic level
    - Tactical level
    - Operational level
    - Support level

Additional Dimensions to Consider:

What are the AI and DG tools needed at each organizational level?

How should the AI and DG tools be integrated and interoperable?

What are the training and support needs for using tools?



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Additional Dimensions to Consider:

What are the AI and DG tools needed at each organizational level?

How should the AI and DG tools be integrated and interoperable?

What are the training and support needs for using tools?

Question	Executive	Strategic	Tactical	Operational	Support
What are the AI and DG tools needed at each organizational level?	Executives need high-level AI analytics tools, dashboard reporting systems, and risk management platforms for strategic decision-making.	Strategic leaders require AI-powered business intelligence tools, forecasting software, and governance platforms to assess operational performance.	Tactical teams need AI-driven process automation tools, workflow management systems, and dashboards to track efficiency and operational tasks.	Operational teams need task-specific AI tools, data management systems, and real-time monitoring software for daily operations.	Support teams need AI infrastructure monitoring tools, security management systems, and compliance tracking platforms.
How should the AI and DG tools be integrated and interoperable?	Tools should be seamlessly integrated with executive reporting systems for real-time summaries across departments.	Tools should integrate with departmental systems and allow interoperability for cross-functional collaboration and sharing of insights.	Tools must integrate with real-time systems, enabling smooth cross-functional operation across business units and teams.	Tools should integrate directly into operational workflows to ensure smooth interaction with larger systems.	Support tools must integrate with IT systems and governance frameworks to ensure security and system-wide compliance.
What are the training and support needs for using tools?	Executives need training focused on interpreting AI outputs and data governance metrics, with support staff handling detailed tool usage.	Strategic leaders require in-depth training on leveraging AI insights in business contexts, with ongoing support for tool updates.	Tactical teams need training on daily tool usage, troubleshooting, and system efficiency, with access to responsive support services.	Training for operational teams should emphasize practical usage, troubleshooting, and continuous support for effective tool utilization.	Support teams require specialized training in AI system management, focusing on security, risk management, and compliance, with technical support.

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Tools

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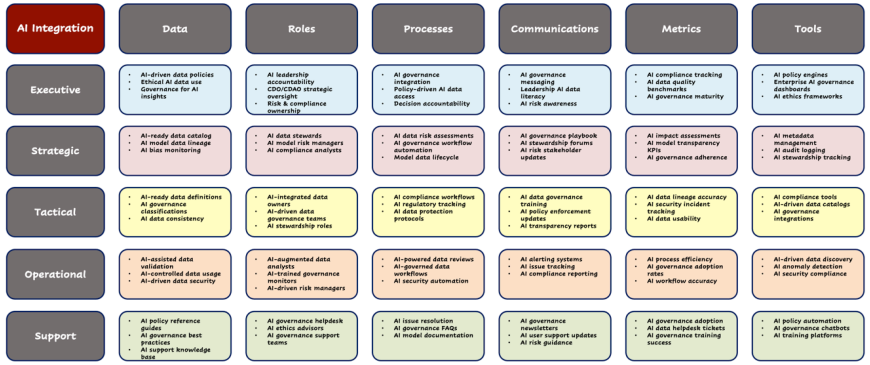
AI Integration	Data	Roles	Processes	Communications	Metrics	Tools
Executive	• AI-driven data policies • Ethical AI data use • Governance for AI insights	• AI leadership accountability • CDO/CDAO strategic oversight • Risk & compliance ownership	• AI governance integration • Policy-driven AI data access • Decision accountability	• AI governance messaging • Leadership AI data literacy • AI risk awareness	• AI compliance tracking • AI data quality benchmarks • AI governance maturity	• AI policy engines • Enterprise AI governance dashboards • AI ethics frameworks
Strategic	• AI-ready data catalog • AI model data lineage • AI bias monitoring	• AI data stewards • AI model risk managers • AI compliance analysts	• AI data risk assessments • AI governance workflow automation • Model data lifecycle	• AI governance playbook • AI stewardship forums • AI risk stakeholder updates	• AI impact assessments • AI model transparency KPIs • AI governance adherence	• AI metadata management • AI audit logging • AI stewardship tracking
Tactical	• AI-ready data definitions • AI governance classifications • AI data consistency	• AI-integrated data owners • AI-driven data governance teams • AI stewardship roles	• AI compliance workflows • AI regulatory tracking • AI data protection protocols	• AI data governance training • AI policy enforcement updates • AI transparency reports	• AI data lineage accuracy • AI security incident tracking • AI data usability	• AI compliance tools • AI-driven data catalogs • AI governance integrations
Operational	• AI-assisted data validation • AI-controlled data usage • AI-driven data security	• AI-augmented data analysts • AI-trained governance monitors • AI-driven risk managers	• AI-powered data reviews • AI-governed data workflows • AI security automation	• AI alerting systems • AI issue tracking • AI compliance reporting	• AI process efficiency • AI governance adoption rates • AI workflow accuracy	• AI-driven data discovery • AI anomaly detection • AI security compliance
Support	• AI policy reference guides • AI governance best practices • AI support knowledge base	• AI governance helpdesk • AI ethics advisors • AI governance support teams	• AI issue resolution • AI governance FAQs • AI model documentation	• AI governance newsletters • AI user support updates • AI risk guidance	• AI governance adoption • AI data helpdesk tickets • AI governance training success	• AI policy automation • AI governance chatbots • AI training platforms

The Non-Invasive Data Governance Framework

Integrating AI into Your Data Governance Framework

The Intersection of AI and Data Governance

- AI is Only as Good as the Data It Uses
- Data Governance Ensures AI Compliance, Quality, and Trust
- AI Governance Extends and Reinforces Data Governance Practices
- Integrating AI into Data Governance Requires a Strategic, Non-Invasive Approach

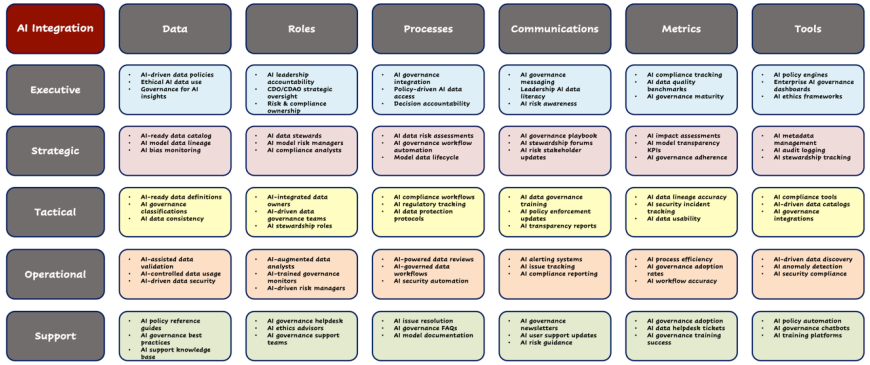


AI Integration	Data	Roles	Processes	Communications	Metrics	Tools
Executive	AI-driven data policies Ethical AI data use Governance for AI insights	AI leadership accountability CDO/CDAO strategic oversight Risk & compliance ownership	AI governance integration Policy-driven AI data access Decision accountability	AI governance messaging Leadership AI data literacy AI risk awareness	AI compliance tracking AI data quality benchmarks AI governance maturity	AI policy engines Enterprise AI governance dashboards AI ethics frameworks
Strategic	AI-ready data catalog AI model data lineage AI bias monitoring	AI data stewards AI model risk managers AI compliance analysts	AI data risk assessments AI governance workflow automation Model data lifecycle	AI governance playbook AI stewardship forums AI risk stakeholder updates	AI impact assessments AI model transparency KPIs AI governance adherence	AI metadata management AI audit logging AI stewardship tracking
Tactical	AI-ready data definitions AI governance classifications AI data consistency	AI-integrated data owners AI-driven data governance teams AI stewardship roles	AI compliance workflows AI regulatory tracking AI data protection protocols	AI data governance training AI policy enforcement updates AI transparency reports	AI data lineage accuracy AI security incident tracking AI data usability	AI compliance tools AI-driven data catalogs AI governance integrations
Operational	AI-assisted data validation AI-controlled data usage AI-driven data security	AI-augmented data analysts AI-trained governance monitors AI-driven risk managers	AI-powered data reviews AI-governed data workflows AI security automation	AI alerting systems AI issue tracking AI compliance reporting	AI process efficiency AI governance adoption rates AI workflow accuracy	AI-driven data discovery AI anomaly detection AI security compliance
Support	AI policy reference guides AI governance best practices AI support knowledge base	AI governance helpdesk AI ethics advisors AI governance support teams	AI issue resolution AI governance FAQs AI model documentation	AI governance newsletters AI user support updates AI risk guidance	AI governance adoption AI data helpdesk tickets AI governance training success	AI policy automation AI governance chatbots AI training platforms

Integrating AI into Your Data Governance Framework

Key Steps to Integrating AI into Governance Frameworks

- Define AI Governance Roles and Responsibilities
- Embed AI Policies into Your Data Governance Framework
- Ensure Data Quality, Lineage, and Ethical Use for AI Models
- Monitor, Measure, and Continuously Improve AI Governance Practices



AI Integration	Data	Roles	Processes	Communications	Metrics	Tools
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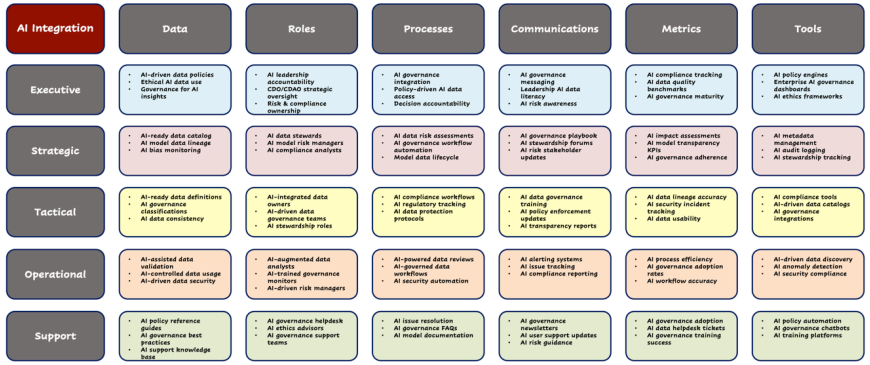
Integrating AI into Your Data Governance Framework

Managing AI-Driven Insights Responsibly and Ethically

- Establish Clear Ethical Guidelines for AI-Driven Decision Making
- Ensure Transparency and Explainability in AI Models
- Monitor AI Bias and Implement Mitigation Strategies
- Align AI Insights with Regulatory and Organizational Standards



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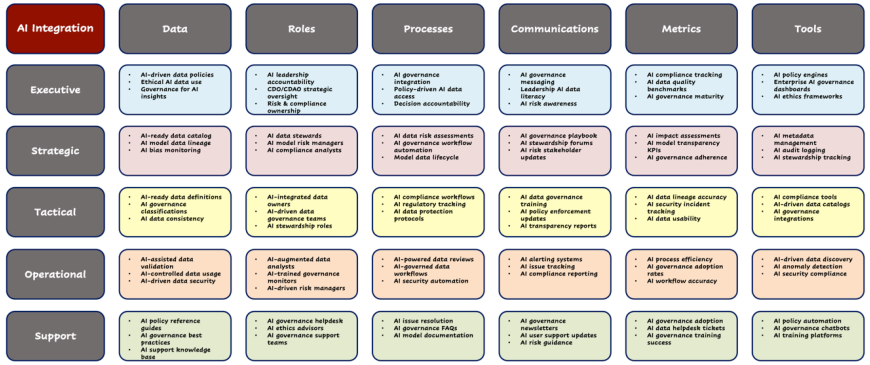
Integrating AI into Your Data Governance Framework

Overcoming Challenges in AI Governance Integration

- Addressing Data Quality and Availability for AI
- Balancing AI Innovation with Governance Controls
- Navigating Regulatory Uncertainty and Compliance Requirements
- Ensuring Cross-Functional Collaboration and Accountability



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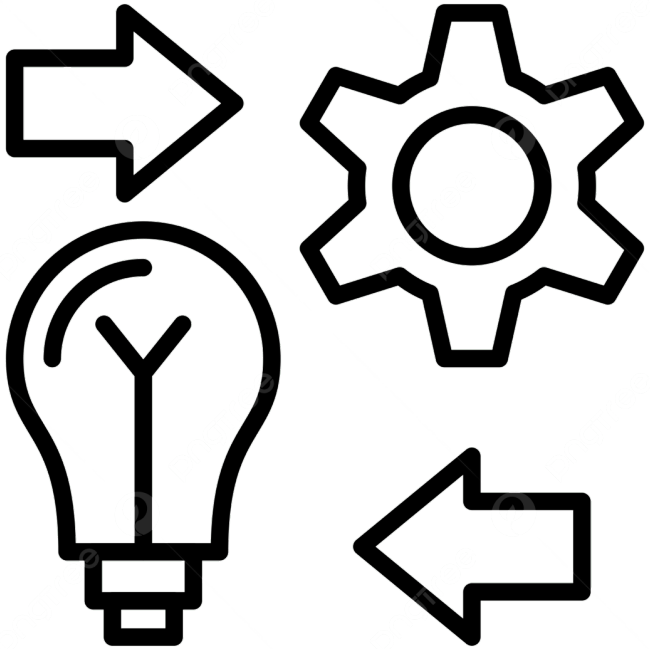
Integrating AI into Your Data Governance Framework

Examples of Successful AI Governance Implementations

- Financial Services: AI Governance for Risk and Fraud Detection
- Healthcare: Ensuring Data Integrity in AI-Powered Diagnostics
- Retail: AI-Driven Personalization with Ethical Data Use
- Government: AI Transparency and Accountability in Public Services



Integrating AI into Your Data Governance Framework
Examples of Successful AI Governance Implementations

- Financial Services: AI Governance for Risk and Fraud Detection
  - AI Can't Fight Fraud Without Quality Data – Fraud detection models are only as good as the data they analyze. If the data feeding AI is incomplete, inconsistent, or biased, the models will miss threats or flag false positives. Governance ensures fraud detection AI works with reliable, well-structured data.
  - Risk Management Requires AI with Guardrails – Financial institutions rely on AI to assess risk, but without governance, models can reinforce biases or make opaque decisions. AI governance establishes controls to ensure risk models operate transparently, ethically, and in compliance with regulations.
  - Regulatory Compliance is Non-Negotiable – Financial services are heavily regulated, and AI must follow strict guidelines. Governance helps organizations track data lineage, validate AI decisions, and provide clear audit trails to regulators, ensuring compliance with laws like GDPR, CCPA, and Basel regulations.
  - AI Governance Reduces Costly Mistakes – Unchecked AI models can lead to major financial and reputational losses. A well-governed AI system ensures decisions are explainable, auditable, and aligned with business objectives, minimizing costly errors in fraud detection and risk assessment.

Integrating AI into Your Data Governance Framework

Examples of Successful AI Governance Implementations

- Healthcare: Ensuring Data Integrity in AI-Powered Diagnostics
  - AI Diagnoses Are Only as Accurate as the Data It Learns From – If the data feeding AI-powered diagnostics is inconsistent, incomplete, or biased, the model will produce unreliable results. Strong data governance ensures that medical AI uses high-quality, well-labeled, and standardized data to improve diagnostic accuracy.
  - Data Governance Reduces AI-Driven Misdiagnoses – Poorly governed AI can amplify existing data errors, leading to incorrect medical recommendations. Governance ensures that patient data is clean, properly structured, and representative, minimizing the risk of AI generating inaccurate diagnoses that could harm patients.
  - Regulatory Compliance and Patient Trust Go Hand in Hand – Healthcare AI must comply with HIPAA, GDPR, and other strict regulations. A well-governed AI system tracks data lineage, enforces security protocols, and ensures that patient data is used ethically, fostering both compliance and trust.
  - AI Governance Supports Fair and Equitable Healthcare Decisions – Without proper oversight, AI-powered diagnostics can reinforce biases in healthcare data, leading to disparities in treatment. Data governance ensures that AI models are trained on diverse, high-quality datasets, helping to promote fairness and better patient outcomes.

Integrating AI into Your Data Governance Framework
Examples of Successful AI Governance Implementations

- Retail: AI-Driven Personalization with Ethical Data Use
  - Personalization Without Overstepping Privacy Boundaries – AI-driven retail personalization relies on collecting customer data, but without proper governance, companies risk crossing ethical lines. Strong data governance ensures that AI respects consumer privacy, adheres to data protection regulations, and avoids intrusive or overly aggressive targeting.
  - Balancing Data-Driven Insights with Consumer Trust – Shoppers appreciate personalized experiences, but they also want to feel in control of their data. Governance frameworks ensure transparency in how AI curates product recommendations, allowing customers to opt in or out of personalized experiences while maintaining their trust.
  - Preventing Bias in AI-Generated Recommendations – AI models can unintentionally reinforce stereotypes or limit consumer choice based on incomplete or skewed data. Proper governance ensures that AI training datasets are diverse, free from bias, and designed to provide fair and relevant recommendations to all customers.
  - Compliant and Ethical Use of Customer Data – Regulations like GDPR and CCPA demand strict control over how consumer data is collected and used. Governance policies guide AI-driven personalization to comply with these regulations, ensuring that customer data is handled responsibly while enabling personalized shopping experiences.

Integrating AI into Your Data Governance Framework
Examples of Successful AI Governance Implementations

- Government: AI Transparency and Accountability in Public Services
  - Ensuring AI-Driven Decisions Are Transparent – When AI is used in public services, citizens deserve to know how and why decisions are made. Data governance ensures that AI models are explainable, so government agencies can justify outcomes, whether they're approving benefits, assessing risks, or optimizing public resources.
  - Preventing Bias in AI-Powered Public Programs – AI can be a game-changer for efficiency in government, but without proper governance, it can reinforce biases in areas like law enforcement, social services, and hiring. AI governance ensures that data used to train models is diverse, fair, and free from discriminatory patterns.
  - Accountability Through AI Model Oversight – Public trust in government AI depends on accountability. Governance frameworks provide the necessary checks and balances, requiring audits, human oversight, and mechanisms for challenging AI-driven decisions, so policies remain fair, equitable, and aligned with public interest.
  - Balancing Innovation with Ethical AI Use – AI can streamline government operations, improve citizen services, and enhance security, but only if used responsibly. Data governance ensures that AI is deployed ethically, prioritizing data privacy, compliance with laws, and safeguarding citizens' rights while delivering efficient public service innovations.

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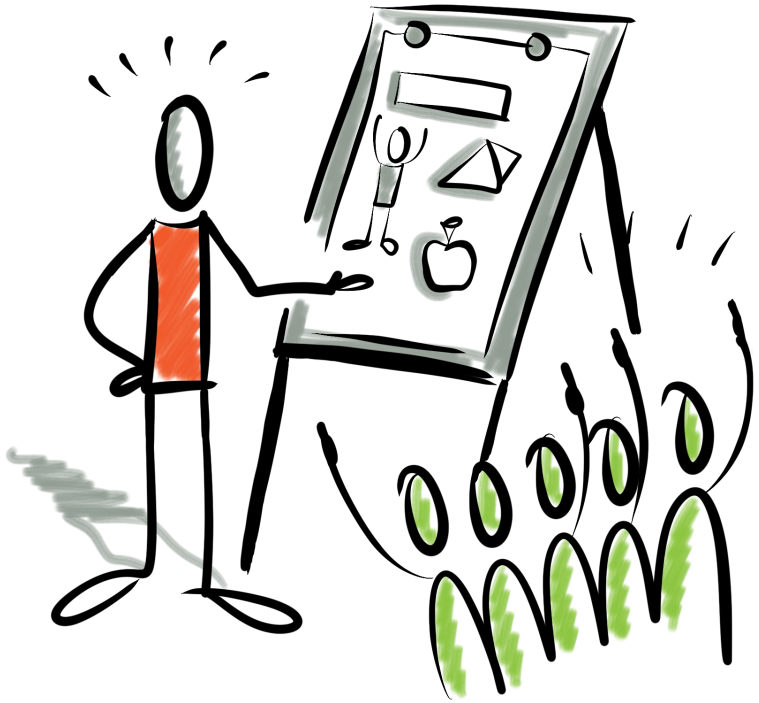
The Non-Invasive Data Governance Framework

Integrating AI into Your Data Governance Framework

Summary

- In this webinar, I talked about …
  - The Intersection of AI and Data Governance
  - Key Steps to Integrating AI into Governance Frameworks
  - Managing AI-Driven Insights Responsibly and Ethically
  - Overcoming Challenges in AI Governance Integration
  - Examples of Successful AI Governance Implementations



Integrating AI into Your Data Governance Framework

Q & A - Contact Information

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thank you!