Real-World Data Governance

AI and Data Governance Roles That Match Your Organization's Need

Monthly Webinar Series Hosted by DATAVERSITY

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

Episode #157

AI and Data Governance Roles That Match Your Organization's Need
Introduction

Real-World Data Governance – Monthly Webinar Series

March 20, 2025: Integrating AI into Your Data Governance Framework
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
2023: ISBN 9781634623599 / TechnicsPub.com / Amazon.com
2025: NIDG Unleashed: Empowering People to Govern Data and AI (Technics)

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

NON-INVASIVE DATA GOVERNANCE UNLEASHED

Empowering People to Govern Data and AI

ROBERT S. SEINER

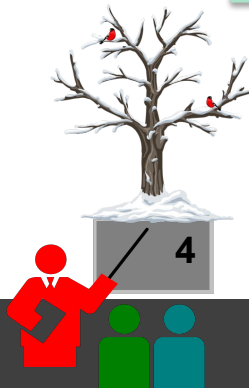# AI and Data Governance Roles That Match Your Organization's Need
Abstract

- In this webinar, I will talk about …

  - Matching AI Governance Roles with Organizational Needs

  - Defining the Responsibilities of Data Stewards and AI Specialists

  - Balancing AI Innovation with Governance Oversight

  - Integrating AI Governance into Your Existing Framework

  - Success Stories of Aligned AI and Governance Roles

AI and Data Governance Roles That Match Your Organization's Need
## 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.

- **AI Governance Roles** – The **navigators of innovation**, ensuring AI sails smoothly between creativity and compliance without crashing into the iceberg of chaos.

- **Data Governance Roles** – The **architects of trust**, building a solid foundation of accountability, accuracy, and accessibility that keeps the data house standing strong.
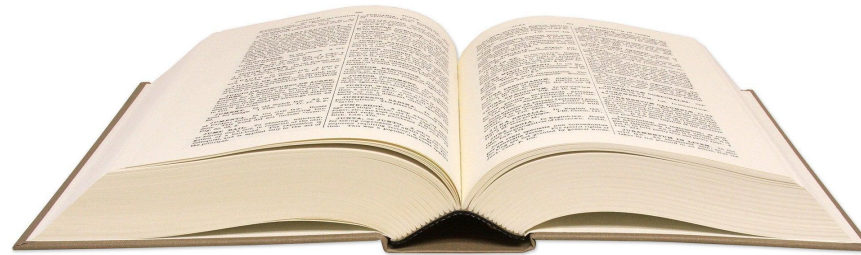
AI and Data Governance Roles That Match Your Organization's Need
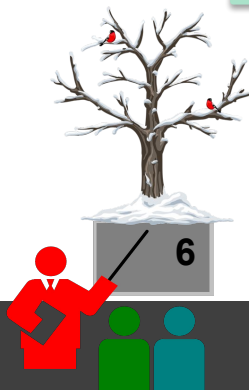## Matching AI Governance Roles with Organizational Needs

- Define Clear Ownership for AI Data

- Create an AI Governance Task Force

- Prioritize Explainability Through AI Champions

- Embed Ethical Accountability Across Teams

- Adapt Roles as AI Matures
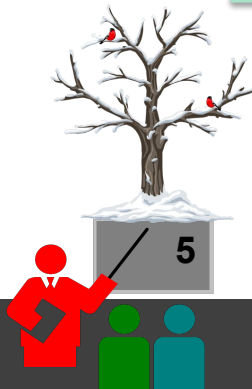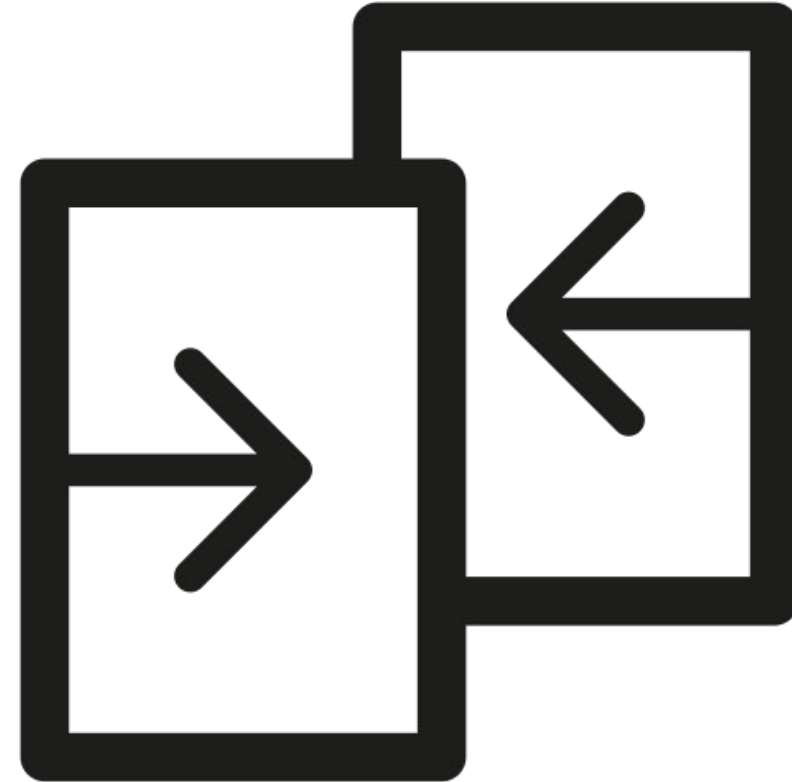
AI and Data Governance Roles That Match Your Organization's Need
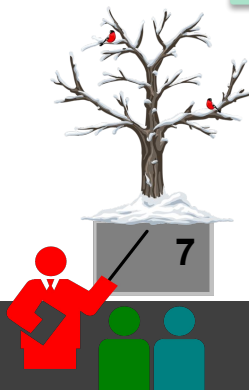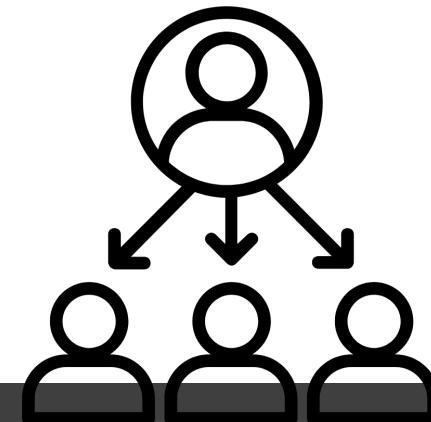## Matching AI Governance Roles with Organizational Needs

- Define Clear Ownership (sic) for AI Data

  - Recognize an AI Data Steward to <u>oversee the integrity and ethical use of your AI training data</u>—because if no one owns it, everyone misuses it.

    - Accountability is Key – Somebody must have the ultimate accountability for AI.

    - Again, Accountability is Key – Somebody must have accountability for the quality of the data accessed through AI.

    - Did I mention Accountability? – Somebody must have accountability for the access to the data ingested and produced through AI.

    - The main bullet says Ownership (sic) term, but I prefer to use the term, Steward.

AI and Data Governance Roles That Match Your Organization's Need
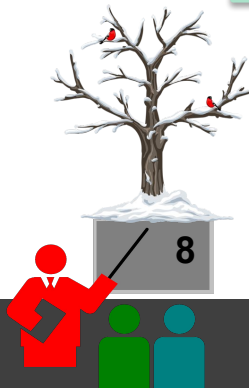## Matching AI Governance Roles with Organizational Needs

- Create an AI Governance Task Force

    - Build a cross-functional dream team of IT, business, and data experts to [ensure your AI aligns with both corporate values and regulatory checkboxes]().

        - Not a Revolution – The evolution of the Data Governance Steering Committee to the AI ESG.

        - Join Together – Consider bringing Data and AI together through the Data and AI ESG.

        - Matrimony of a Different Sort – Do what you can to marry Data and AI at the top of the organization.

        - Back to Accountable, eh? – An AI Governance Task Force should be accountable to the ESG.

AI and Data Governance Roles That Match Your Organization's Need
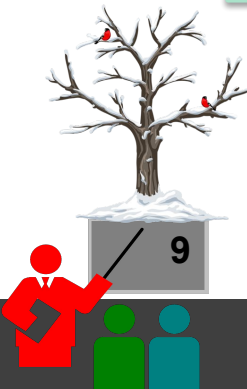## Matching AI Governance Roles with Organizational Needs

- Prioritize Explainability Through AI Champions

  - Empower an AI Transparency Officer to <u>ensure algorithms are understandable to mere mortals</u>—not just your data scientists.

    - Recognize an AI Sanity Checker – Prevent rogue algorithms from making head-scratching decisions.

    - Designate a Data Accountability Czar – Ensure AI doesn't make up its own facts.

    - Establish a Bias Bouncer – Keep AI from letting bias sneak past the velvet rope.

    - Mandate a Governance Whisperer – Someone must translate AI jargon into business sense for leadership.

AI and Data Governance Roles That Match Your Organization's Need
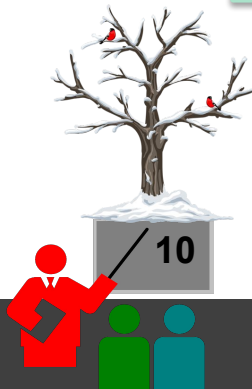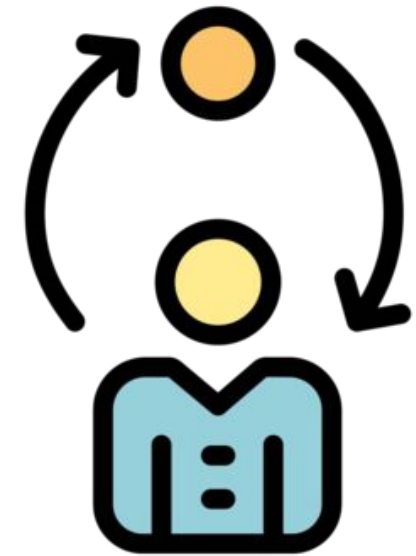## Matching AI Governance Roles with Organizational Needs

- Embed Ethical Accountability Across Teams

  - Establish an AI Ethics Committee to review use cases and [make sure your AI doesn't accidentally become your next PR nightmare](#).

    - Recognize a Bias Referee – Ensure AI plays fair and doesn't favor one team.

    - Designate a Data Conscience – Someone needs to ask, "Should we?" not just "Can we?"

    - Launch an AI Red Team – Test your AI before it tests your patience.

    - Create a Transparency Guru – If no one can explain it, no one should trust it.

AI and Data Governance Roles That Match Your Organization's Need
## Matching AI Governance Roles with Organizational Needs

- Adapt Roles as AI Matures

  - Treat AI governance roles like living entities—revisit and refine them regularly to keep up with your organization's evolving AI needs.

    - Recognize an AI Evolutionist – Because governance roles should grow, not fossilize.

    - Run AI Role Check-Ups – If AI is changing, your governance roles better be too.

    - Keep Governance Agile – Stagnant governance equals outdated AI oversight.

    - Recognize an AI Futurist – Someone needs to think five steps ahead of your AI.

AI and Data Governance Roles That Match Your Organization's Need
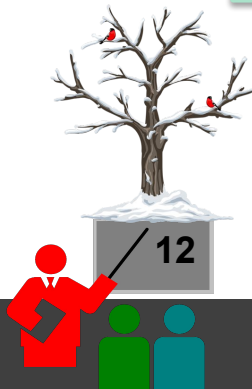## Defining the Responsibilities of Data Stewards and AI Specialists

- Clarify Accountability for Data Quality

- Align AI Specialists with Business Goals

- Bridge the Gap Between Stewards and Specialists

- Formalize Roles to Avoid Chaos

- Integrate Ethics into Everyday Roles
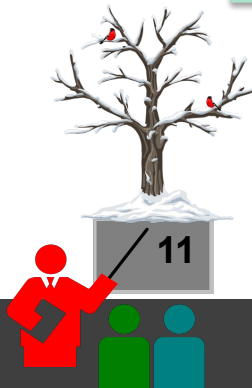
AI and Data Governance Roles That Match Your Organization's Need
Defining the Responsibilities of Data Stewards and AI Specialists

- Clarify Accountability for Data Quality

  - Make Data Stewards the [guardians of accuracy](#), ensuring every byte in your system is trustworthy, traceable, and tantrum-free.

    - No More Data Drama – Stewards keep your data clean, consistent, and free of identity crises.

    - Garbage In, Garbage Out? Not on Their Watch – Data Stewards make sure AI feasts on quality, not junk.

    - Accuracy is a Full-Time Job – And guess what? Your Data Stewards are on duty 24/7.

    - Traceability Matters – If data had a passport, stewards would be checking its stamps.

12

AI and Data Governance Roles That Match Your Organization's Need
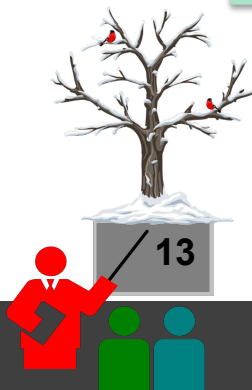## Defining the Responsibilities of Data Stewards and AI Specialists

- Align AI Specialists with Business Goals

  - Task AI Specialists [with translating tech into triumph](#) by aligning algorithm development directly with organizational priorities.

    - AI for ROI – If it's not driving value, why are we even coding it?

    - Algorithms Meet Accountability – AI isn't magic; it's math that must serve the mission.

    - Tech Without Purpose is Just Hype – AI specialists must fuel business outcomes, not just cool demos.

    - Keep AI Off the Detour – Aligning AI with business goals prevents wasted effort and questionable outputs.

AI and Data Governance Roles That Match Your Organization's Need
Defining the Responsibilities of Data Stewards and AI Specialists

- Bridge the Gap Between Stewards and Specialists

  - Foster collaboration between Data Stewards and AI Specialists to <u>ensure structured and unstructured data play nice</u> in your AI playground.

    - AI Needs a Babysitter – Structured data and AI must learn to share the sandbox.

    - From Chaos to Collaboration – Stewards and specialists must work together, not against each other.

    - Mind the AI Data Gap – Bridging silos means fewer surprises and better predictions.

    - Governance is the Referee – Without rules, AI just makes up its own game.
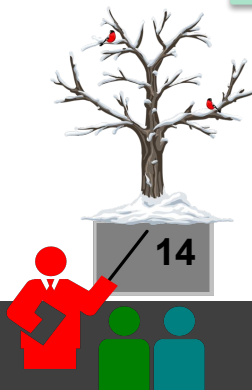
14

AI and Data Governance Roles That Match Your Organization's Need
Defining the Responsibilities of Data Stewards and AI Specialists

- Formalize Roles to Avoid Chaos

    - Give Data Stewards and AI Specialists <u>clear, formal responsibilities</u> so no one's left saying, 'I thought you were doing that.'

        - Avoid the "Who's on First?" Scenario – Clear roles prevent governance from becoming a guessing game.

        - No More Blame Game – Define responsibilities so AI doesn't end up in limbo.

        - Formal Roles = Fewer Fires – Structure keeps AI governance from turning into constant damage control.

        - Accountability Isn't a Bad Word – Clarity in roles means no more "I thought you had it."
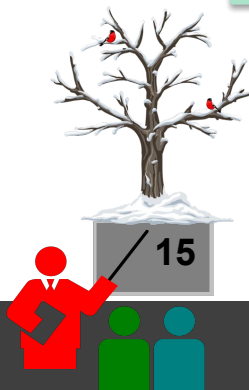
AI and Data Governance Roles That Match Your Organization's Need
Defining the Responsibilities of Data Stewards and AI Specialists

- Integrate Ethics into Everyday Roles

  - Mandate that AI Specialists [embed ethical considerations into every model](#) they build, while Stewards enforce compliance like pros.

    - No Rogue AI Allowed – Ethical AI starts with governance that doesn't look the other way.

    - Bias is Bad Business – Build models that don't just reflect the past but improve the future.

    - Stewards: The AI Watchdogs – Keeping models in check so they don't go off the ethical rails.

    - Compliance Isn't Optional – Ethical AI isn't just nice—it's necessary for trust and transparency.
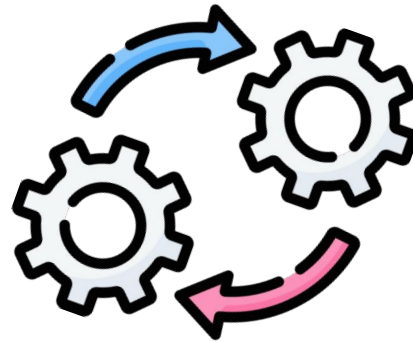
AI and Data Governance Roles That Match Your Organization's Need
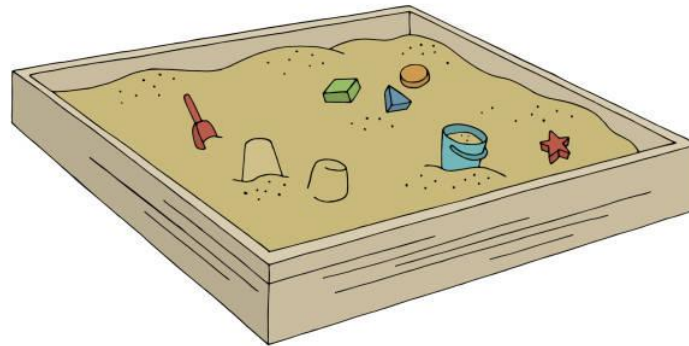## Balancing AI Innovation with Governance Oversight

- Establish a Governance Sandbox

- Enforce Guardrails, Not Handcuffs

- Tie Innovation to Accountability

- Recognize Innovation Advocates

- Track Progress Without Slowing It

AI and Data Governance Roles That Match Your Organization's Need
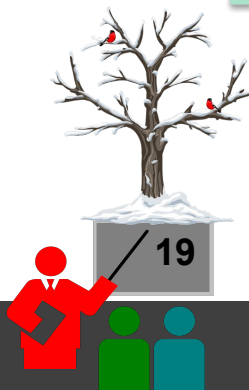## Balancing AI Innovation with Governance Oversight

- Establish a Governance Sandbox

  - Create a [playground for AI innovation where experimentation thrives](#) under the watchful eye of governance guardrails.

    - Test, Tinker, Govern – Experiment freely, but keep the guardrails in place.

    - Innovation, Not Anarchy – A governance sandbox is where AI learns to play nice.

    - Fail Smart, Not Hard – Safe spaces for AI failures mean fewer disasters in production.

    - Freedom Within Frameworks – Creativity thrives when AI has responsible boundaries.

18

AI and Data Governance Roles That Match Your Organization's Need
Balancing AI Innovation with Governance Oversight

- Enforce Guardrails, Not Handcuffs

  - Balance oversight with creativity by [setting clear policies that guide AI](#) without stifling its potential.

    - AI Needs Boundaries, Not Chains – Guide it without locking it down.

    - Smart Rules, Smarter AI – Good policies make great AI even better.

    - Freedom with Responsibility – Guardrails keep innovation from veering off a cliff.

    - Governance = AI's Safety Net – Catch flaws before they turn into failures.

AI and Data Governance Roles That Match Your Organization's Need
Balancing AI Innovation with Governance Oversight

- Tie Innovation to Accountability

  - Require AI teams to <u>document their data sources, decisions, and outcomes</u>, proving that governance can walk together with ingenuity.

    - Innovation Without Oversight = AI Gone Wild – Smart ideas need smart governance.

    - Accountability Fuels Trust – If you can't track it, you can't trust it.

    - Data Without Context is Just Noise – Documenting decisions makes AI meaningful.

    - Governance and Innovation: The Ultimate Power Couple – One without the other spells disaster.
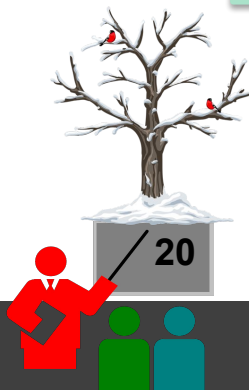
AI and Data Governance Roles That Match Your Organization's Need
## Balancing AI Innovation with Governance Oversight

- Recognize Innovation Advocates

  – Designate roles that [champion both AI creativity and governance](#), bridging the gap between exploration and regulation.

    - Creativity Without Boundaries is Chaos – Advocates turn AI ideas into real impact.

    - Bridging the AI Gap – Innovation and governance aren't rivals; they're teammates.

    - Think Big, Govern Smart – Innovation flourishes when it's built on a solid foundation.

    - Regulation Meets Imagination – The best AI happens when both worlds work together.

AI and Data Governance Roles That Match Your Organization's Need
## Balancing AI Innovation with Governance Oversight

- Track Progress Without Slowing It

  - Use lightweight monitoring tools to <u>keep governance oversight agile</u>, ensuring that innovation stays fast and impactful.

    - Governance That Moves at the Speed of AI – Oversight should guide, not grind to a halt.

    - Stay Lean, Stay Smart – Governance tools should track progress, not create roadblocks.

    - Monitor, Measure, but Don't Muzzle – Keep innovation flowing with the right level of oversight.

    - Think GPS, Not Traffic Cop – Navigate AI progress without unnecessary stops.
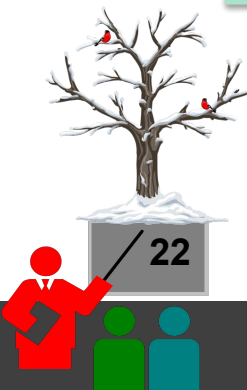
AI and Data Governance Roles That Match Your Organization's Need
Integrating AI Governance into Your Existing Framework

- Map Before You Merge

- Speak a Common Language

- Create an AI-First Extension

- Empower Cross-Functional Guardians

- Keep It Flexible, Keep It Smart
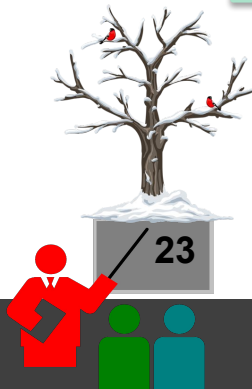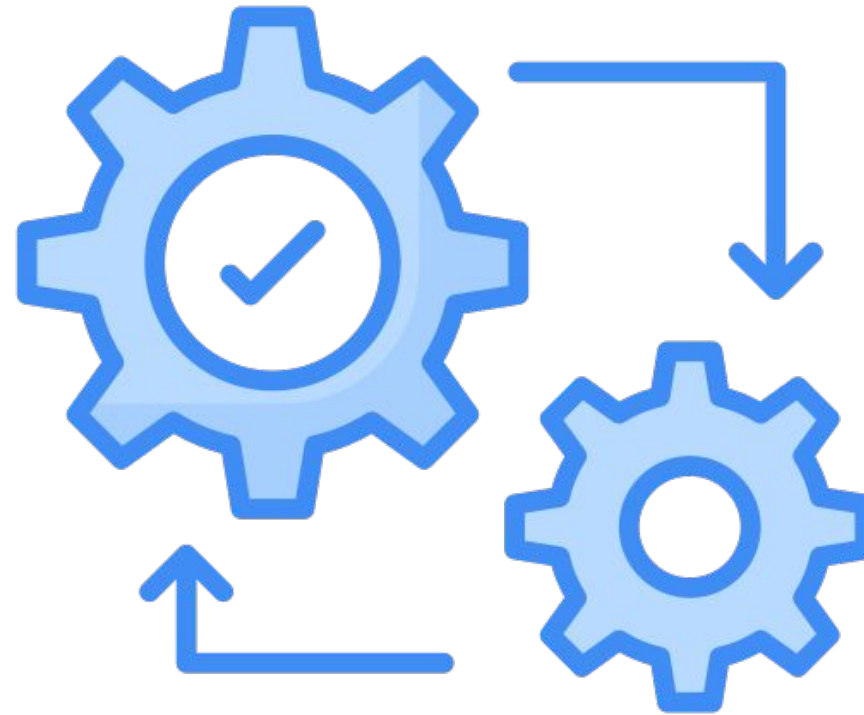
23

AI and Data Governance Roles That Match Your Organization's Need
Integrating AI Governance into Your Existing Framework

	Data	Roles	Processes	Communications	Metrics	Tools
Executive						
Strategic						
Tactical						
Operational						
Support						

AI and Data Governance Roles That Match Your Organization's Need
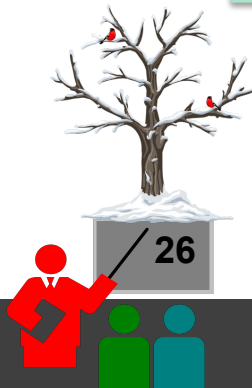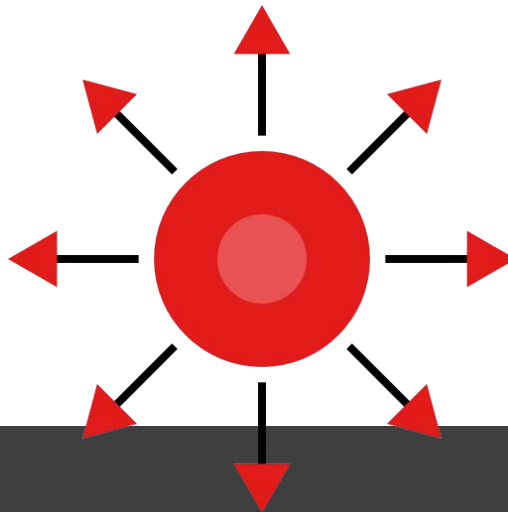## Integrating AI Governance into Your Existing Framework

- Speak a Common Language

  - Align AI terminology with your current governance structure to [avoid translation headaches](#) and misaligned priorities.

    - Lost in AI Translation? – Speak governance fluently to avoid costly misinterpretations.

    - AI Jargon Doesn't Govern Itself – Make sure everyone's dictionary matches.

    - From Tech Talk to Boardroom Speak – Align AI lingo with business priorities.

    - Mismatched Terms = Mismatched Goals – Keep governance and AI speaking the same language.

AI and Data Governance Roles That Match Your Organization's Need
Integrating AI Governance into Your Existing Framework

- Create an AI-First Extension

  - Designate an AI-specific governance layer that <u>integrates seamlessly with your existing framework</u> without reinventing the wheel.

    - AI Needs Guardrails, Not Guesswork – Extend governance to AI without the chaos.

    - Plug AI Into Governance, Not Just the Cloud – Integration is key to control.

    - AI Without Governance = A Wild West Show – Keep it structured and accountable.

    - Don't Rebuild—Refine – Enhance existing governance, don't duplicate effort.

AI and Data Governance Roles That Match Your Organization's Need
## Integrating AI Governance into Your Existing Framework

- Empower Cross-Functional Guardians

  - Enlist data stewards, IT leads, and AI specialists to [co-own governance processes](#), ensuring broad organizational buy-in.

    - Governance Is a Team Sport – AI needs stewards, tech leads, and strategists working together.

    - IT Alone Can't Do It – Cross-functional input keeps AI accountable and effective.

    - AI Without Guardians Is Just Chaos – Define roles before innovation turns into confusion.

    - From Silos to Synergy – AI governance thrives when everyone owns a piece of the puzzle.

AI and Data Governance Roles That Match Your Organization's Need
Integrating AI Governance into Your Existing Framework

- Keep It Flexible, Keep It Smart

    - Adapt governance policies to <u>fit AI's evolving needs</u> while maintaining the core structure of your existing framework.

        - Governance Must Evolve – Static policies won't keep up with AI's constant changes.

        - Rules That Flex, Not Break – AI needs adaptable governance, not rigid bureaucracy.

        - Balance Structure & Agility – Smart governance moves with AI, not against it.

        - Adapt or Get Left Behind – AI governance should shift as fast as the tech itself.
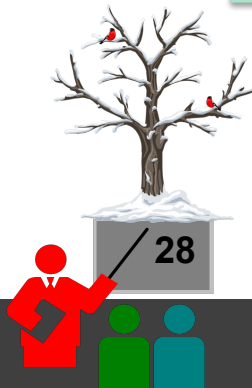
AI and Data Governance Roles That Match Your Organization's Need
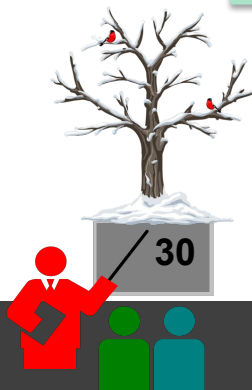## Success Stories of Aligned AI and Governance Roles

- Retail Giant's Predictive Magic

- Banking on Ethical AI

- Healthcare's Data-Driven Revolution

- E-commerce Personalization Pioneer

- Smart City's Traffic Management Triumph

AI and Data Governance Roles That Match Your Organization's Need
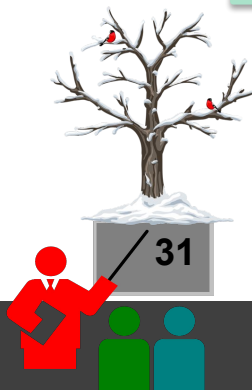## Success Stories of Aligned AI and Governance Roles

- Retail Giant's Predictive Magic

  - Example: A global retail leader aligned its AI and governance roles by <u>creating a cross-functional AI task force</u>, including data stewards, privacy officers, and AI engineers.

  - Outcome: This alignment enabled the successful deployment of predictive analytics to optimize inventory management while ensuring data privacy compliance, boosting operational efficiency by 25%.

    - AI Loves Governance (It Just Won't Admit It) – Predictive magic only works when the data isn't a mess.

    - Stewards & Scientists: The Dream Team – Data stewards keep AI honest, AI engineers make it brilliant.

    - Privacy & Predictions Can Coexist – Smart governance ensures AI drives efficiency without data disasters.

AI and Data Governance Roles That Match Your Organization's Need
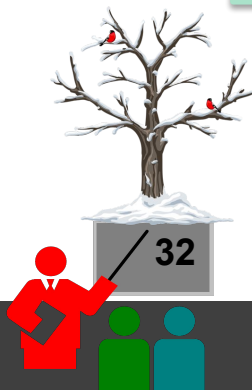## Success Stories of Aligned AI and Governance Roles

- Banking on Ethical AI

  - Example: A major financial institution developed an AI ethics committee that <u>brought governance leads and AI specialists together</u> to oversee bias and fairness in loan approvals.

  - Outcome: The initiative reduced discriminatory outcomes by 15% and solidified the bank's reputation for ethical AI use, earning customer trust and regulatory praise.

    - Bias-Free Banking? Now That's Interest-ing – Governance ensures AI decisions aren't a bad investment.

    - AI Ethics: More Than Just a Good Credit Score – Trust in fair algorithms builds lasting customer loyalty.

    - Regulators Love a Good Compliance Story – Ethical AI means fewer lawsuits, more high-fives from auditors.

AI and Data Governance Roles That Match Your Organization's Need
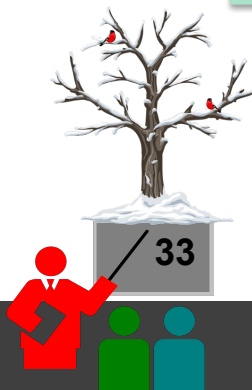## Success Stories of Aligned AI and Governance Roles

- Healthcare's Data-Driven Revolution

  - Example: A healthcare provider aligned clinical data stewards with AI model developers to <u>ensure patient data integrity</u> in diagnostics AI tools.

  - Outcome: The collaboration improved AI accuracy rates by 30%, leading to better patient outcomes and compliance with HIPAA regulations.

    - Better Data, Better Diagnoses – Because "close enough" doesn't cut it in healthcare.

    - AI Without Governance? That's Malpractice – Keep patient data clean, compliant, and life-saving.

    - Doctor's Orders: Govern Your AI – Accuracy isn't optional when lives are on the line.

AI and Data Governance Roles That Match Your Organization's Need
## Success Stories of Aligned AI and Governance Roles

- E-commerce Personalization Pioneer

  - Example: An e-commerce company integrated governance roles into its AI recommendation engine team, ensuring product data consistency and transparency in algorithms.

  - Outcome: The effort improved recommendation accuracy by 20%, driving customer satisfaction and a 12% increase in revenue.

    - Garbage Data, Garbage Recommendations – Because AI can't upsell if it doesn't trust the data.

    - Governance: The Secret to Happy Shoppers – More accuracy, fewer "Why did it recommend that?!" moments.

    - AI Without Data Governance = Random Guessing – Your customers deserve better than algorithm roulette.

AI and Data Governance Roles That Match Your Organization's Need
Success Stories of Aligned AI and Governance Roles

- Smart City's Traffic Management Triumph

  - Example: A smart city initiative aligned urban planners, governance specialists, and AI developers to <u>govern data from traffic sensors and AI-driven routing tools</u>.

  - Outcome: This alignment reduced congestion by 18%, cut emissions by 10%, and showcased the city's commitment to sustainable, well-governed innovation.

    - Bad Data = Traffic Jams – Because AI can't fix gridlock with messy, ungoverned data.

    - AI Without Governance is Just Guessing – And nobody wants traffic lights making random decisions.

    - Smart Cities Need Smart Data – Because well-governed data drives real urban transformation.
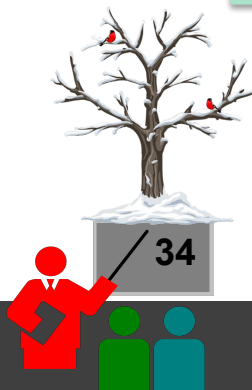
AI and Data Governance Roles That Match Your Organization's Need
Summary

- In the webinar, I talked about …

  - Matching AI Governance Roles with Organizational Needs

  - Defining the Responsibilities of Data Stewards and AI Specialists

  - Balancing AI Innovation with Governance Oversight

  - Integrating AI Governance into Your Existing Framework

  - Success Stories of Aligned AI and Governance Roles

AI and Data Governance Roles That Match Your Organization's Need

Q & A - Contact Information

- Robert S. Seiner

  KIK Consulting & Educational Services – KIKconsulting.com

  rseiner@kikconsulting.com   @RSeiner

thank you!