

Real-World Data Governance

How to Govern Glossaries, Dictionaries, and Data Catalogs

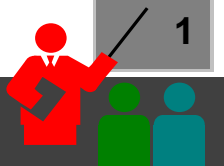
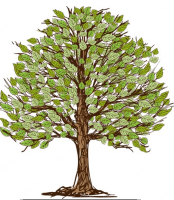
Monthly Webinar Series Hosted by DATAVERSITY

Robert S. Seiner – KIK Consulting / TDAN.com

July 20, 2023 – 11:00 a.m. PT / 2:00 p.m. ET



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Data Driven: People, Process, Technology

Customers ask

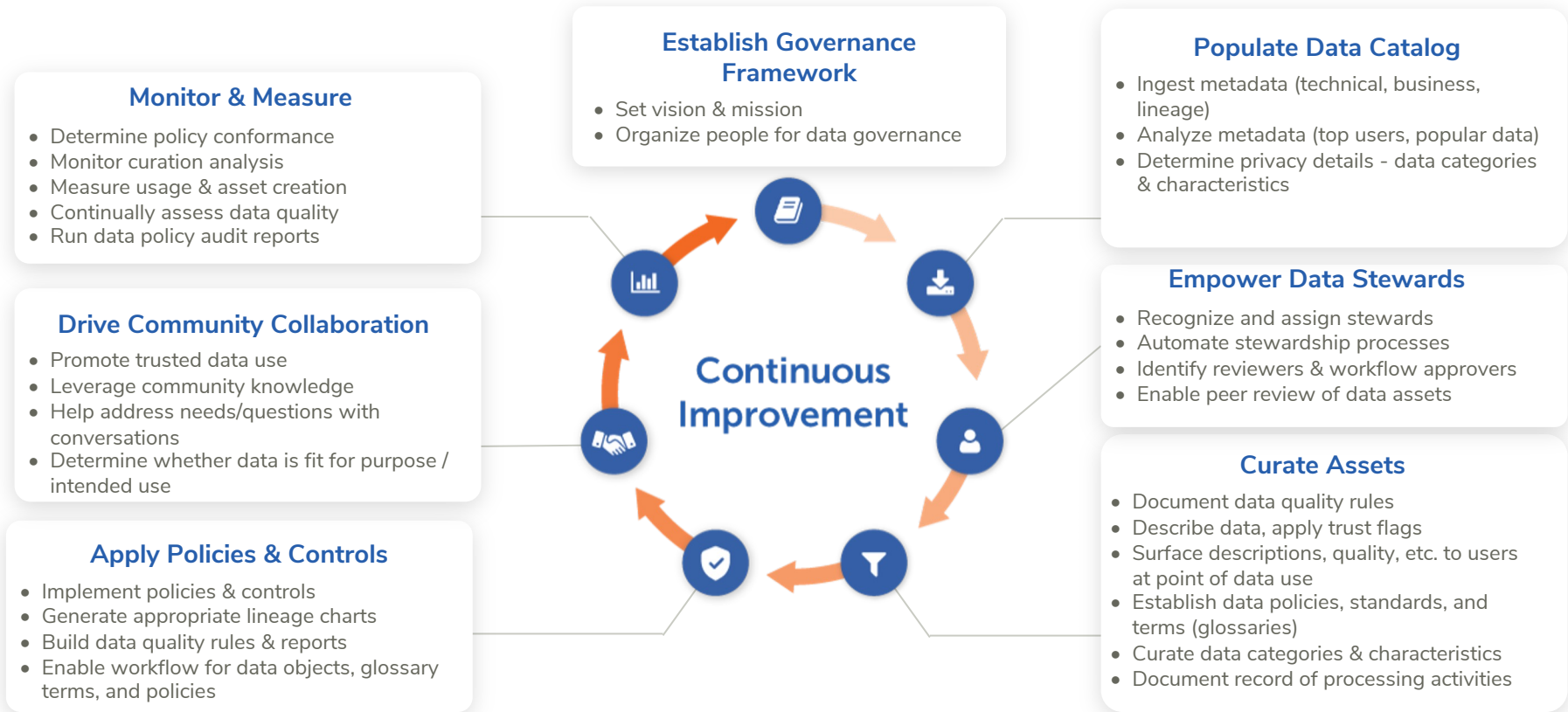
- What do I do?
- Where do I start?
- How do I get to success?
- How do I measure that success?
- How do I build to get to the next milestone?

Our solution

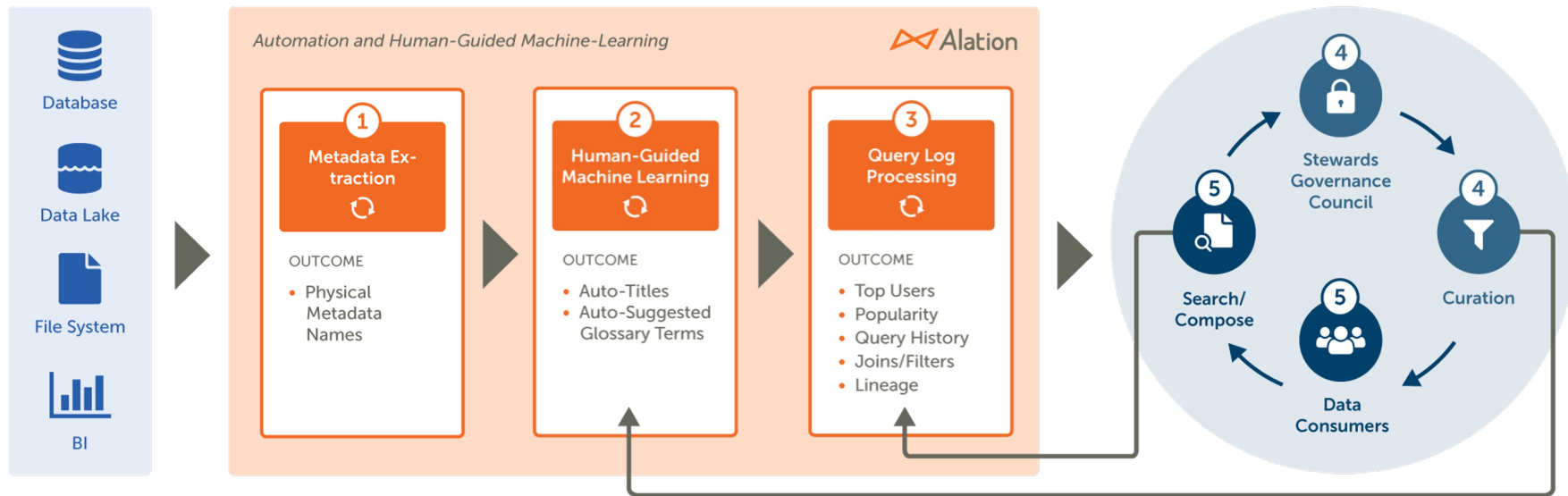
- **Active Data Governance Methodology:**
Our autonomous, continuous improvement methodology guides organizations to help create a data-driven culture through data governance.



How Alation Powers Active Data Governance



Active Governance Methodology



How to Govern Glossaries, Dictionaries, and Data Catalogs

Introduction

Real-World Data Governance – Monthly Webinar Series

August 17, 2023: One Data Governance for All – Master Data Included

Third Thursday each Month @ 2pm EST – Register at TDAN.com, KIKconsulting.com, DATAVERSITY.net

Upcoming Events

Enterprise Data World – Dataversity Conference – Anaheim, CA – September 18th – 21st

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

2014: ISBN 9781935504856 / Technics Publications / Amazon.com

May 2023: ISBN 9781634623599 / Technics Publications / Amazon.com

Non-Invasive Data Governance / Metadata Governance Online Learning Plans

Latest: Business Glossaries, Data Dictionaries and Data Catalogs

DATAVERSITY Training Center – <https://training.dataversity.net>

KIK Consulting & Educational Services

KIKConsulting.com (“Knowledge is King”)

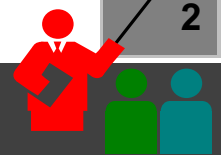
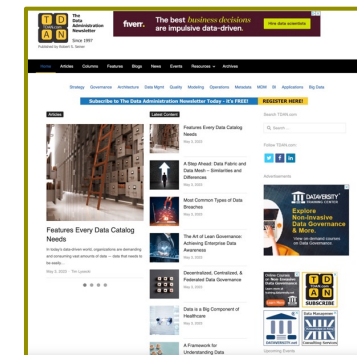
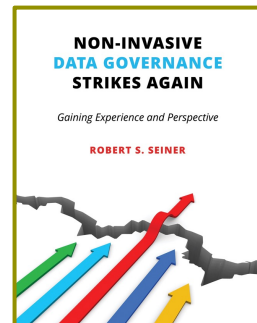
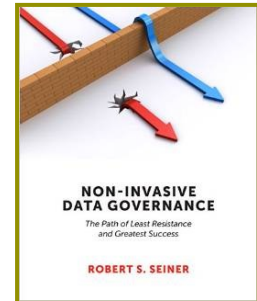
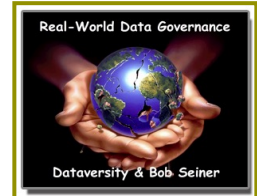
The Home of Non-Invasive Data Governance™

The Data Administration Newsletter (TDAN.com)

Twice Monthly: Data Articles, Columns, Blogs and Features

Carnegie Mellon University (CMU)

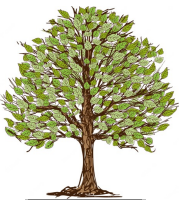
Adjunct Faculty: Heinz College Chief Data Officer (CDO) – Executive Education



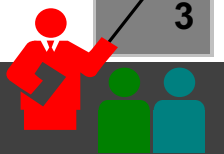
How to Govern Glossaries, Dictionaries, and Data Catalogs

Abstract

- In this webinar, I will talk about ...
 - Populating the Business Glossary, Data Dictionary, and Data Catalog
 - What It Means to Govern the Tools and the Metadata
 - Formalizing Accountability for Metadata
 - The Impact of Ungoverned Tools and Metadata
 - Gaining Consistent Value from the Glossary, Dictionary, and Catalog



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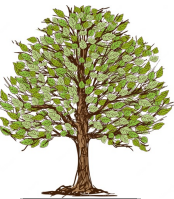
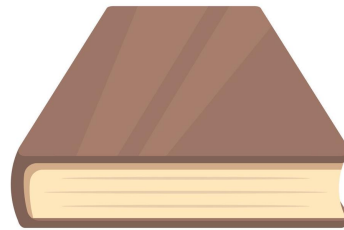
How to Govern Glossaries, Dictionaries, and Data Catalogs

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.
- **Metadata** – Data that improves both the business and technical understanding of the data.
- **Metadata Governance** – The execution and enforcement of authority over metadata.
- **Metadata Steward** – A person held formally accountable for their relationship to the metadata.



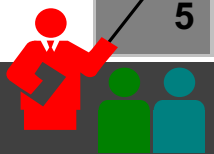
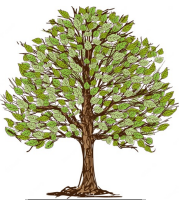
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How to Govern Glossaries, Dictionaries, and Data Catalogs

Populating the Business Glossary, Data Dictionary, and Data Catalog

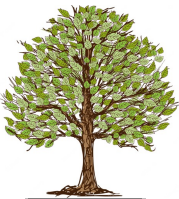
- Populating from where?
- Selecting the appropriate metadata to govern.
- Source metadata quality.
- Getting the metadata into the tool.
- Rationalizing the metadata.



How to Govern Glossaries, Dictionaries, and Data Catalogs

Populating the Business Glossary, Data Dictionary, and Data Catalog

- Populating from where?
 - Where metadata comes from.
 - Metadata as a by-product. Or ...
 - Metadata as an intentional effort.
 - Access native source or catalog.
 - Metadata movement.



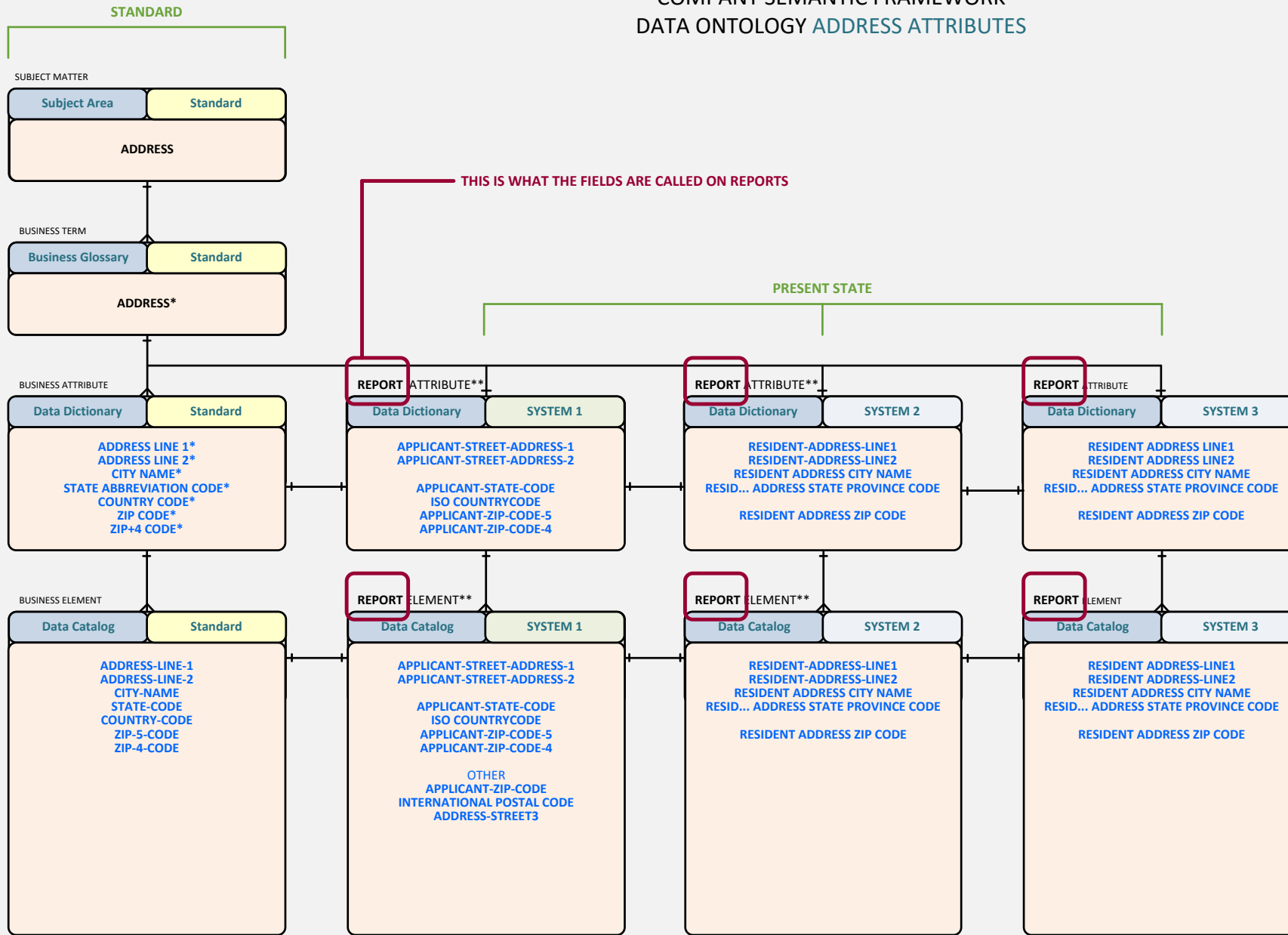
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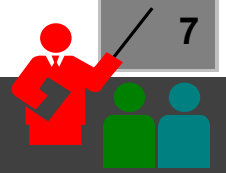
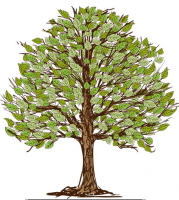
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COMPANY SEMANTIC FRAMEWORK DATA ONTOLOGY ADDRESS ATTRIBUTES



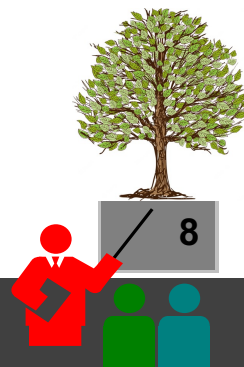
Business Metadata
and attributes of Data
a Specific Resource



How to Govern Glossaries, Dictionaries, and Data Catalogs

Populating the Business Glossary, Data Dictionary, and Data Catalog

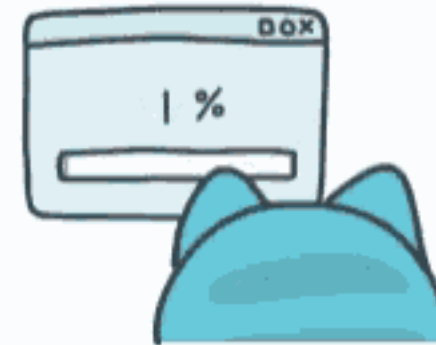
- Source metadata quality.
 - Formal accountability for metadata quality.
 - Metadata definition stewards.
 - Metadata production stewards.
 - Metadata usage stewards.
 - Cheeseburger definitions.
- Metadata will not govern itself.
- Challenges will not self-correct.



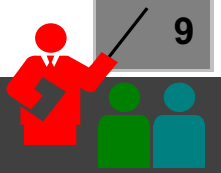
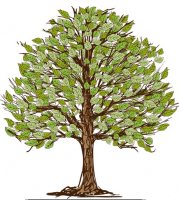
How to Govern Glossaries, Dictionaries, and Data Catalogs

Populating the Business Glossary, Data Dictionary, and Data Catalog

- Getting the metadata into the tool.
 - Connectors and staying connected. The life of a repository administrator.
 - Tools from a single suite.
 - Business glossaries and data dictionaries may stand alone.
 - Consistency in the build of the glossary and dictionary are key.
 - Governing and stewarding this action.



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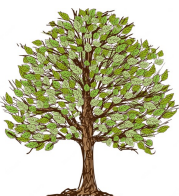
How to Govern Glossaries, Dictionaries, and Data Catalogs

Populating the Business Glossary, Data Dictionary, and Data Catalog

- Rationalizing the metadata.
 - Making sense of the metadata, the data, and the business.
 - Connecting the dots.
 - Making data discovery possible.
 - Leverage tool AI and ML capabilities.
 - Automate as much, or wherever possible.



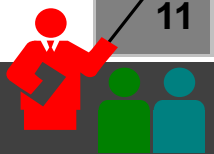
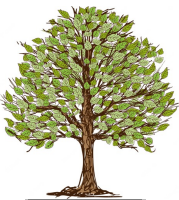
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How to Govern Glossaries, Dictionaries, and Data Catalogs

What It Means to Govern the Tools and the Metadata

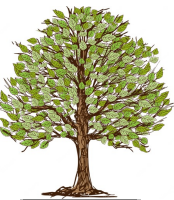
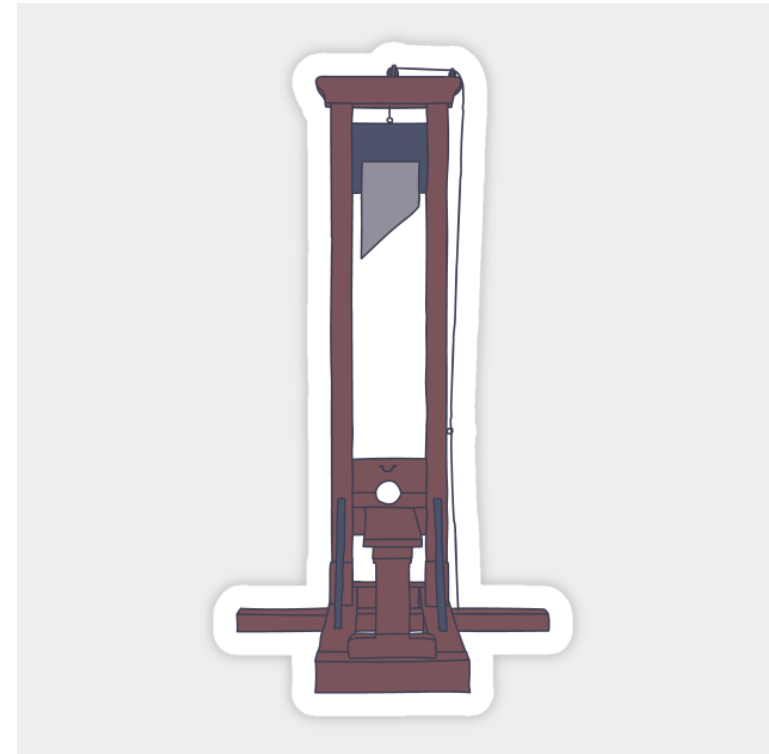
- Execute and enforce authority.
- Formalize accountability.
- For the tool. For the data.
- The metadata will not govern itself.
- The tool will not govern itself.



How to Govern Glossaries, Dictionaries, and Data Catalogs

What It Means to Govern the Tools and the Metadata

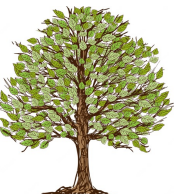
- Execute and enforce authority.
 - My definition of data governance.
 - For metadata and tool definition.
 - For metadata and tool production.
 - For metadata and tool usage.
 - Metadata and your tool will not govern itself.



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What It Means to Govern the Tools and the Metadata

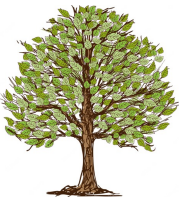
- Formalize accountability.
 - Recognize metadata stewards. Non-invasive metadata governance.
 - Evaluated on execution. Authority enforced.
 - Built into someone’s job (description).
 - Gamify the metadata aspect of accountability.
 - Notice use of word “recognize” rather than “assign” or “identify”.



How to Govern Glossaries, Dictionaries, and Data Catalogs

What It Means to Govern the Tools and the Metadata

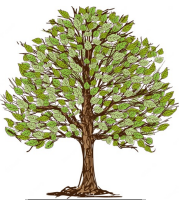
- For the tool. For the data.
 - For the tool.
 - Definition
 - Production
 - Usage
 - Support
 - For the data (metadata).
 - Definition
 - Production
 - Usage
 - Support



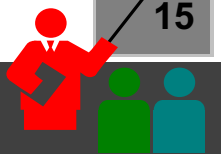
How to Govern Glossaries, Dictionaries, and Data Catalogs

What It Means to Govern the Tools and the Metadata

- The metadata will not govern itself.
 - I know that I say that a lot. That is because it is true.
 - The tools will not govern themselves.
 - People are used to not having metadata and tools.
 - The challenges associated with tools and data will not self-correct.
 - People will need to be guided. People will need to be guided to the tool.



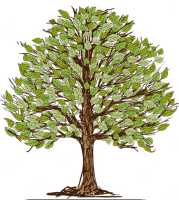
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What It Means to Govern the Tools and the Metadata

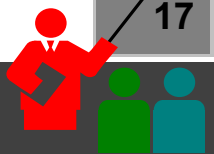
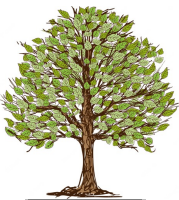
- The tool will not govern itself.
 - This includes Business Glossaries and Data Dictionaries.
 - Someone must
 - define requirements for the tool.
 - assess the current landscape.
 - manage the evaluation and acquisition of tools.
 - own the tool.
 - own the usage of the tool.
 - install, configure, load, monitor, maintain, support, ... the tool.



How to Govern Glossaries, Dictionaries, and Data Catalogs

Formalizing Accountability for Metadata

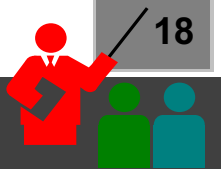
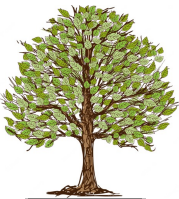
- What is meant by formalized accountability?
- Accountability for metadata definition.
- Accountability for metadata production.
- Accountability for metadata usage.
- Accountability for the governance of the metadata toolset.



How to Govern Glossaries, Dictionaries, and Data Catalogs

Formalizing Accountability for Metadata

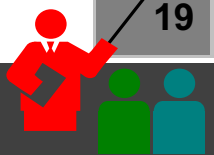
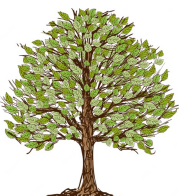
- What is meant by **formalized accountability**?
 - Systems and processes for holding individuals responsible for actions and decisions.
 - Defining roles, responsibilities, and expectations, and monitoring compliance.
 - Frameworks, policies, procedures for guiding decision-making and performance evaluation.
 - Promoting transparency, integrity, and responsible behavior internally and externally.
 - Ensuring answerability, issue identification, and improved performance.



How to Govern Glossaries, Dictionaries, and Data Catalogs

Formalizing Accountability for Metadata

- Accountability for [metadata definition](#).
 - Ensures clear and consistent understanding of metadata.
 - Enables seamless data integration.
 - Promotes data standardization.
 - Ensures regulatory adherence.
 - Enhances data discovery and usability.



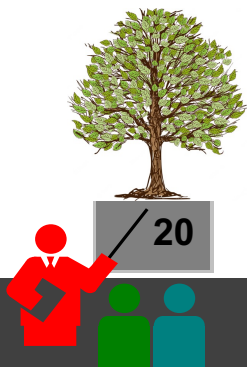
How to Govern Glossaries, Dictionaries, and Data Catalogs

Formalizing Accountability for Metadata

- Accountability for **metadata production**.
 - Clear and consistent understanding.
 - Effective data integration.
 - Standardized data representation.
 - Compliance with regulations.
 - Enhanced data management and utilization.



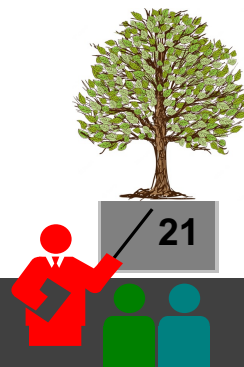
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Formalizing Accountability for Metadata

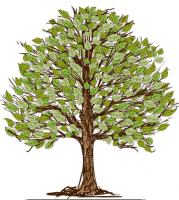
- Accountability for **metadata usage**.
 - Accurate data interpretation.
 - Improved data collaboration.
 - Enhanced data analysis.
 - Regulatory compliance.
 - Optimal data-driven decision-making.



How to Govern Glossaries, Dictionaries, and Data Catalogs

Formalizing Accountability for Metadata

- Accountability for the **governance of the metadata toolset**.
 - Centralized metadata management.
 - Improved data discoverability.
 - Enhanced data lineage and traceability.
 - Consistent data definitions and standards.
 - Effective metadata collaboration and access control.



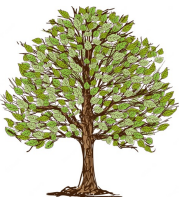
How to Govern Glossaries, Dictionaries, and Data Catalogs

The Impact of Ungoverned Tools and Metadata

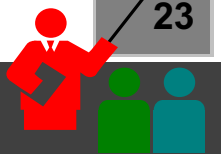
- What does ungoverned metadata look like?
- What does ungoverned management of a tool look like?
- Confidence comes from understanding and context.
- People will use the tool if ... ?
- The metadata and the tool will not govern themselves.



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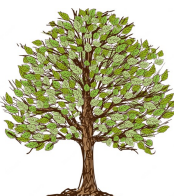
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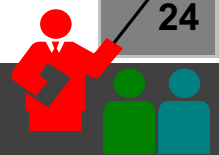
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The Impact of Ungoverned Tools and Metadata

- What does ungoverned metadata look like?
 - Inconsistency in naming and definitions.
 - Lack of standardization and uniformity.
 - Inaccurate or outdated information.
 - Limited visibility and discoverability.
 - Insufficient documentation and lineage.
 - Inconsistent data security and access controls.
 - Lack of ownership and accountability.



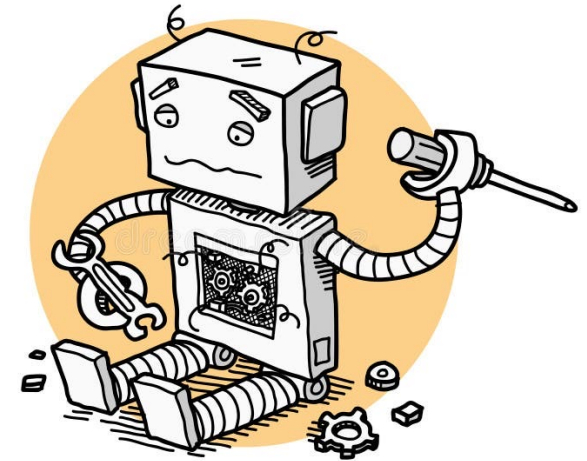
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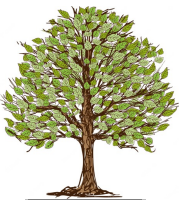
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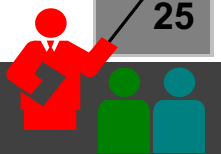
- What does ungoverned management of a tool look like?
 - Inconsistent data categorization and labeling.
 - Lack of standardized metadata formats or conventions.
 - Missing or outdated metadata entries.
 - Limited search capabilities and poor data discoverability.
 - Inadequate metadata documentation and lineage tracking.
 - Insufficient data security measures and access controls.
 - Absence of ownership and accountability for data catalog maintenance.



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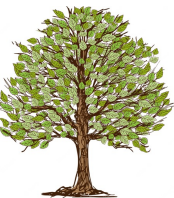
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The Impact of Ungoverned Tools and Metadata

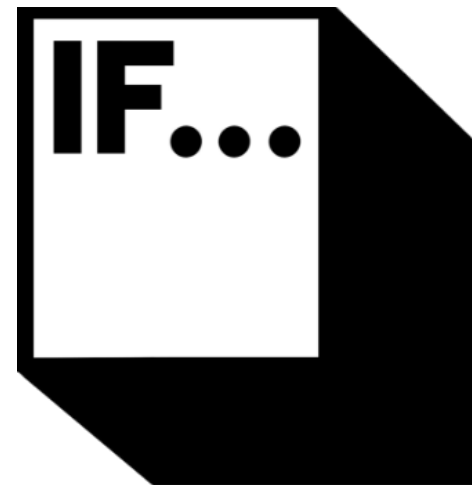
- Confidence comes from understanding and context.
 - Ambiguity due to ungoverned metadata tools and metadata.
 - Decreased trust in data accuracy.
 - Difficulties in data discovery and exploration.
 - Increased risk of misinterpretation.
 - Impaired decision-making and analysis.



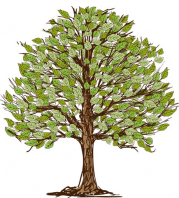
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The Impact of Ungoverned Tools and Metadata

- People will use the tool if ... ?
 - User-friendly interface.
 - Relevant and contextual information.
 - Robust search and discovery capabilities.
 - Integration with existing tools and workflows.
 - Training and support.



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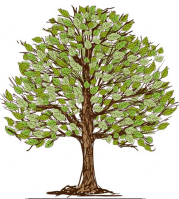
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The Impact of Ungoverned Tools and Metadata

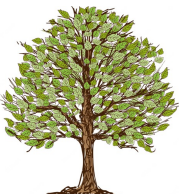
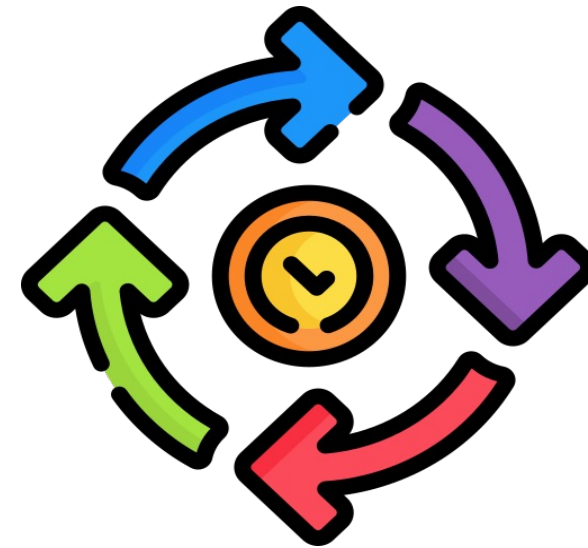
- The metadata and the tool will not govern themselves.
 - Metadata and metadata tools require active governance.
 - Governance is essential for organizing and managing metadata effectively.
 - Without governance, metadata can become chaotic and unmanageable.
 - Taking control of metadata through governance ensures its reliability and usefulness.
 - Effective governance prevents metadata from becoming a tangled mess.



How to Govern Glossaries, Dictionaries, and Data Catalogs

Gaining Consistent Value from the Glossary, Dictionary, and Catalog

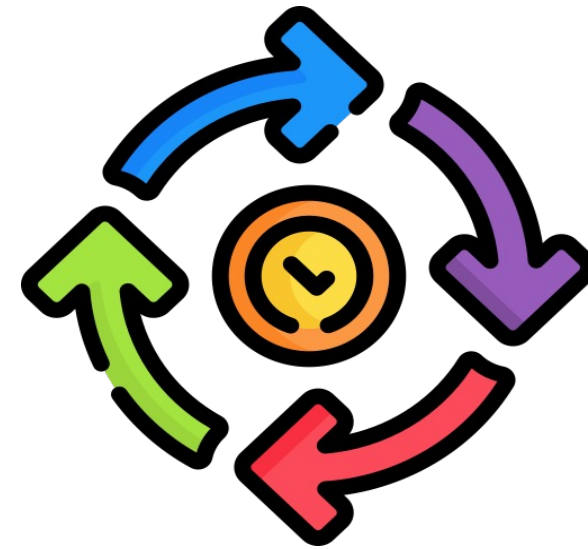
- By standardizing terminology and understanding.
- By improving data quality and accuracy.
- By providing efficient data discovery and access.
- By strengthening regulatory compliance and risk management.
- By increasing collaboration and data literacy.



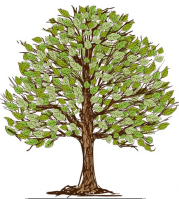
How to Govern Glossaries, Dictionaries, and Data Catalogs

Gaining Consistent Value from the Glossary, Dictionary, and Catalog

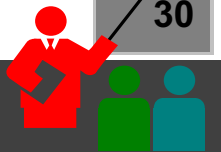
- By standardizing terminology and understanding.
 - Communication and collaboration.
 - Data integration and interoperability.
 - Data analysis and reporting.
 - Knowledge transfer and onboarding.
 - Data governance and compliance.



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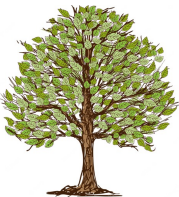
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How to Govern Glossaries, Dictionaries, and Data Catalogs

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- By improving data quality and accuracy.
 - Data profiling and cleansing.
 - Data validation and standardization.
 - Effective metadata management.
 - Data governance policies and stewardship.
 - Data quality monitoring and measurement.



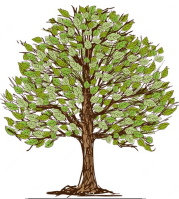
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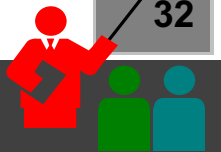
- By providing efficient data discovery and access.
 - Data catalog implementation.
 - Search and filtering capabilities.
 - Data access controls and permissions.
 - User-friendly data visualization and exploration.
 - Self-service analytics and data preparation.



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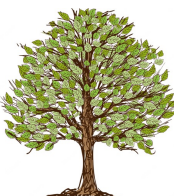
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Gaining Consistent Value from the Glossary, Dictionary, and Catalog

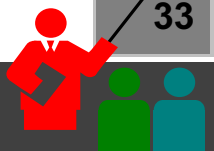
- By strengthening regulatory compliance and risk management.
 - Data classification and sensitivity labeling.
 - Privacy and consent management.
 - Data governance policies and procedures
 - Data retention and disposal.
 - Audit and documentation.



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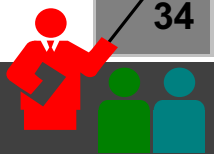
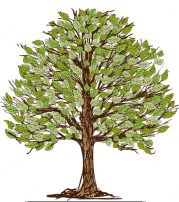
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How to Govern Glossaries, Dictionaries, and Data Catalogs

Gaining Consistent Value from the Glossary, Dictionary, and Catalog

- By increasing collaboration and data literacy.
 - Data governance champions.
 - Data awareness and training.
 - Collaborative data governance workshops.
 - Data governance community of practice.
 - Cross-functional data governance committees.



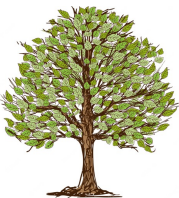
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Summary

- In the webinar, I shared ...
 - Populating the Business Glossary, Data Dictionary, and Data Catalog
 - What It Means to Govern the Tools and the Metadata
 - Formalizing Accountability for Metadata
 - The Impact of Ungoverned Tools and Metadata
 - Gaining Consistent Value from the Glossary, Dictionary, and Catalog



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Q & A - Contact Information

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Thank you

