

Real-World Data Governance

How Data Management and Data Governance Overlap

Monthly Webinar Series Hosted by DATAVERSITY

Robert S. Seiner – KIK Consulting / TDAN.com

May 18, 2023 – 11:00 a.m. PT / 2:00 p.m. ET



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How Data Management and Data Governance Overlap

Introduction

Real-World Data Governance – Monthly Webinar Series

June 15, 2023: Gaining Leadership Support for Data Governance

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

Upcoming Events

Data Governance & Information Quality West – San Diego, CA – June 5th – 9th (**3 Weeks!**)

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

Yesterday: 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”)

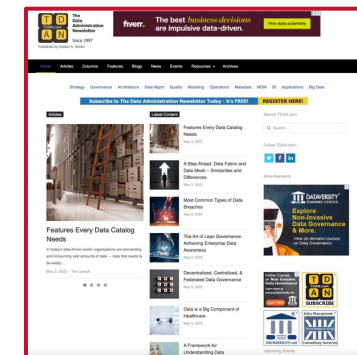
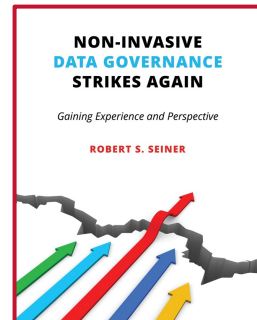
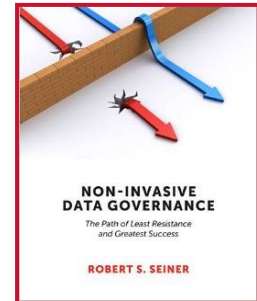
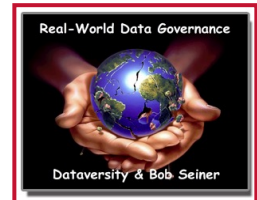
The Home of Non-Invasive Data Governance™

The Data Administration Newsletter (TDAN.com)

Twice Monthly: Data Articles, Columns, Blogs and Features

Carnegie Mellon University (CMU)

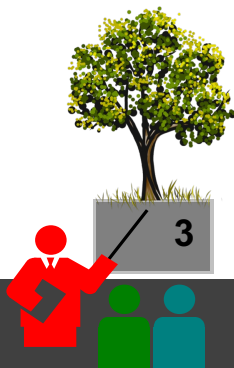
Adjunct Faculty: Heinz College Chief Data Officer (CDO) Certificate Program



How Data Management and Data Governance Overlap

Abstract

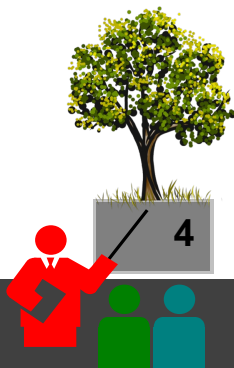
- In this webinar, I will talk about ...
 - Foundational Definitions for Data Management and Data Governance
 - Defining the Function of Each Discipline
 - How Data Management and Data Governance are the Same/Different
 - Building a Partnership Between Data Management and Data Governance
 - Advancing the Two Disciplines Together – The Overlap



How Data Management and Data Governance Overlap

Definitions

- **Data Governance** – The execution and enforcement of authority over data.
- **Data Management** – A cohesive set of disciplines focused on delivering quality data and information.
- **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.



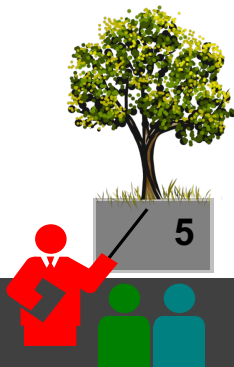
How Data Management and Data Governance Overlap

Foundational Definitions for Data Management and Data Governance

- Data Management
- Data Governance
- Constructing “Correct” Definitions
- What Your Definition Should Depend On
- Operations vs Behavior



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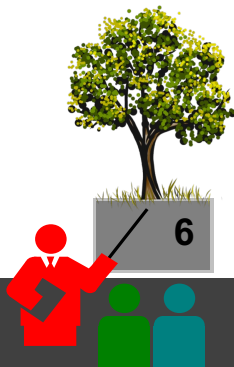


How Data Management and Data Governance Overlap

Foundational Definitions for Data Management and Data Governance

- **Data Management**

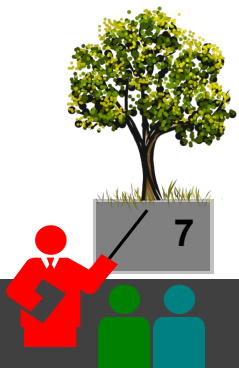
- “Data management is a cohesive set of disciplines focused on delivering strategic data with quality and confidence.” *(Robert S. Seiner)*
- "Data management is the development, execution, and supervision of plans, policies, programs, and practices that control, protect, deliver, and enhance the value of data and information assets." *(DAMA-I)*
- "Data management encompasses the practices, architectural techniques, and tools for achieving consistent access to and delivery of data across the spectrum of data subject areas and data structure types in the organization." *(Gartner IT Glossary)*



How Data Management and Data Governance Overlap

Foundational Definitions for Data Management and Data Governance

- Data Management
 - "Data management is a set of disciplines that support the management of data as a valued resource of the enterprise, and includes the processes for data quality, master data management, metadata management, and data integration." *(TDWI)*
 - "Data management is the development, execution, and supervision of plans, policies, programs, and practices that control, protect, deliver, and enhance the value of data and information assets." *(IBM Data and AI Learning Path)*

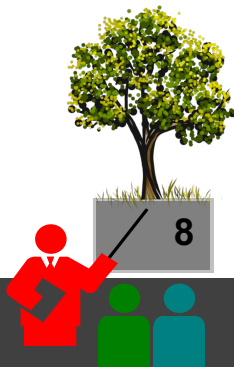


How Data Management and Data Governance Overlap

Foundational Definitions for Data Management and Data Governance

- **Data Governance**

- “Data governance is the execution and enforcement of authority over the definition, production, and usage of data and data-related assets.” *(Source: Robert S. Seiner)*
- "Data governance is the specification of decision rights and an accountability framework to ensure appropriate behavior in the valuation, creation, storage, use, archiving, and deletion of data. It includes the processes, roles, standards, and metrics that ensure the effective and efficient use of information in enabling an organization to achieve its goals." *(Gartner IT Glossary)*
- "Data governance encompasses the people, processes, and information technology required to create a consistent and proper handling of an organization's data across the business enterprise." *(Data Governance Institute)*



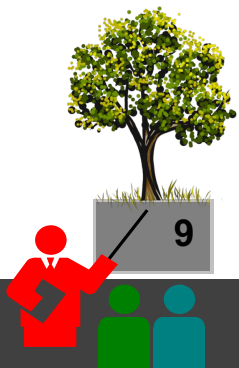
How Data Management and Data Governance Overlap

Foundational Definitions for Data Management and Data Governance

- Data Governance
 - "Data governance is the exercise of decision-making and authority for data-related matters, and it includes the processes, roles, standards, and metrics that ensure the effective and efficient use of data and information in enabling an organization to achieve its goals." *(DAMA-I)*
 - "Data governance is a system of decision rights and accountabilities for information-related processes, executed according to agreed-upon models that describe who can take what actions with what information, and when, under what circumstances, using what methods."
(IBM Data and AI Learning Path)



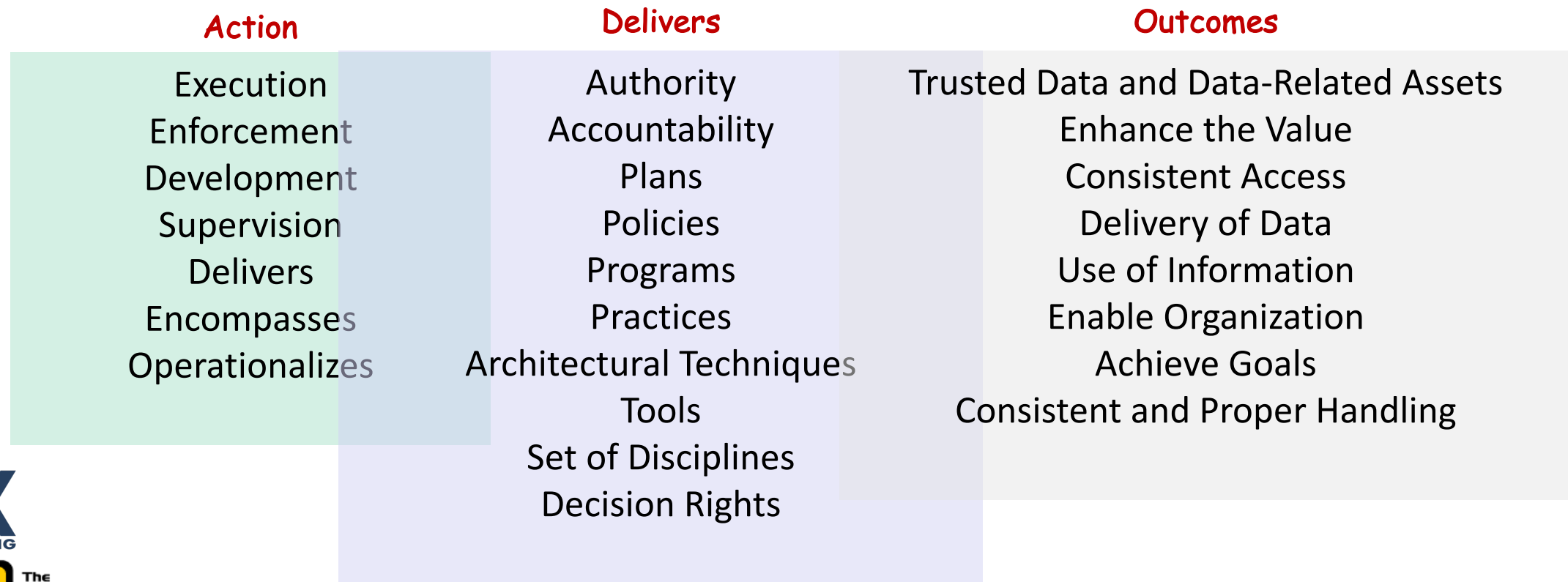
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How Data Management and Data Governance Overlap

Foundational Definitions for Data Management and Data Governance

- Constructing “Correct” Definitions



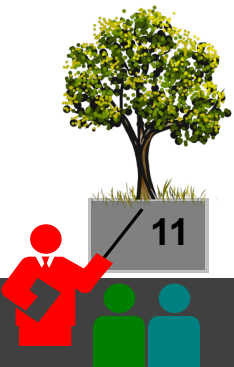
How Data Management and Data Governance Overlap

Foundational Definitions for Data Management and Data Governance

- What Your Definition Should Depend On
 - Organizational Objectives
 - Industry and Regulatory Requirements
 - Data Lifecycle
 - Data Types and Sources
 - Data Infrastructure and Technology
 - Organizational Structure and Responsibilities
 - Scalability and Future Growth
 - Data Ethics and Privacy
 - Business Value



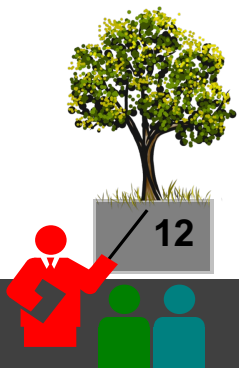
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How Data Management and Data Governance Overlap

Foundational Definitions for Data Management and Data Governance

- Operations vs Behavior
 - “People Governance” Instead of Data Governance
 - Execution and Enforcement of Authority – **Behavioral** Focus
 - Formalization of Accountability – **Behavioral** Focus
 - Operationalize, Monitor, Report Quality – **Operational** Focus
 - Technology ??? – **Behavior** and **Operational** Focus



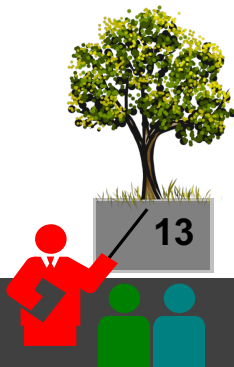
How Data Management and Data Governance Overlap

Defining the Function of Each Discipline

- Scope and Focus
- Activities
- Implementation



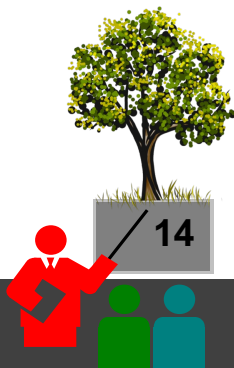
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How Data Management and Data Governance Overlap

Defining the Function of Each Discipline

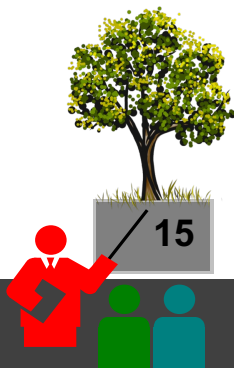
- Scope and Focus
 - Data Management
 - Operationalizes aspects of managing data through its lifecycle.
 - Processes and technologies – efficient and effective handling of data.
 - Data Governance
 - Strategic and organizational focus.
 - Behavior aspects of data management.
 - Core components – Data, Roles, Processes, Communications, Metrics, and Tools



How Data Management and Data Governance Overlap

Defining the Function of Each Discipline

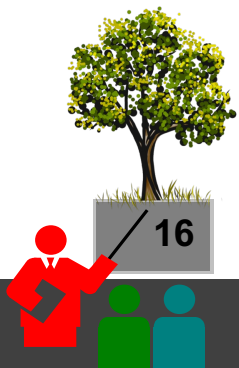
- Activities
 - Data Management
 - Operational aspects of handling and maintaining data.
 - Data collection, acquisition, storage, organization, quality management, integration, documentation, security, privacy, analytics, insights, archiving, retention, ...
 - Data Governance
 - Behavioral aspects of handling and maintaining data.
 - Data framework, policies, stewardship, committees and teams, standards, incorporating metadata management, ensuring compliance, risk management, fostering literacy, ...
 - Consistent, compliant, responsible handling and maintaining of data.



How Data Management and Data Governance Overlap

Defining the Function of Each Discipline

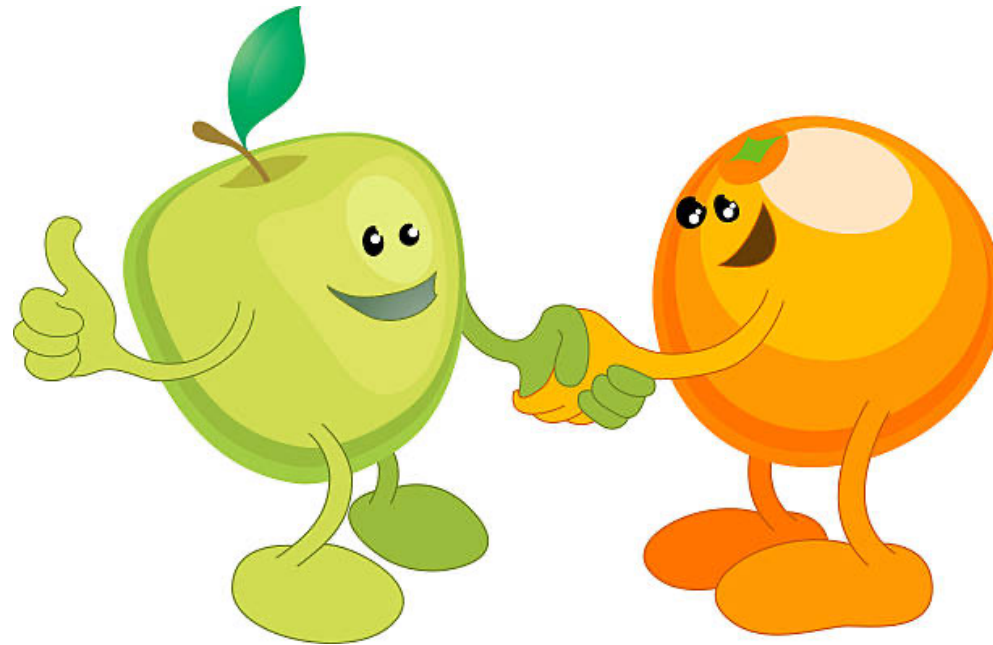
- Implementation
 - Data Management
 - Execution of processes, technologies, practices, to effectively handle and maintain data.
 - Databases, data warehouses, data lakes, analytical platforms, ...
 - Data integration, quality, storage, retrieval, security, process and workflows, ...
 - Data Governance
 - Execution and enforcement of authority over the definition, production, and use of data.
 - Framework, structure, roles and responsibilities, policies, best practices, standards, ...
 - Data stewardship, ownership, accountability, authority, escalation, resolution, ...



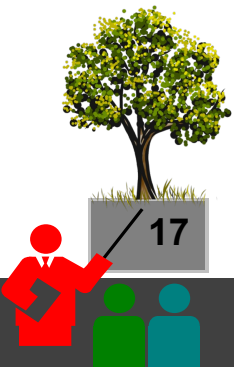
How Data Management and Data Governance Overlap

How Data Management and Data Governance are the Same/Different

- How They Are The Same
- How They Are Different
- Why Does It Matter
- Does It Matter
- Why Should Anybody Care



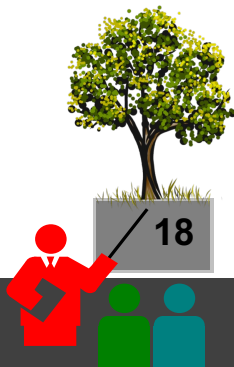
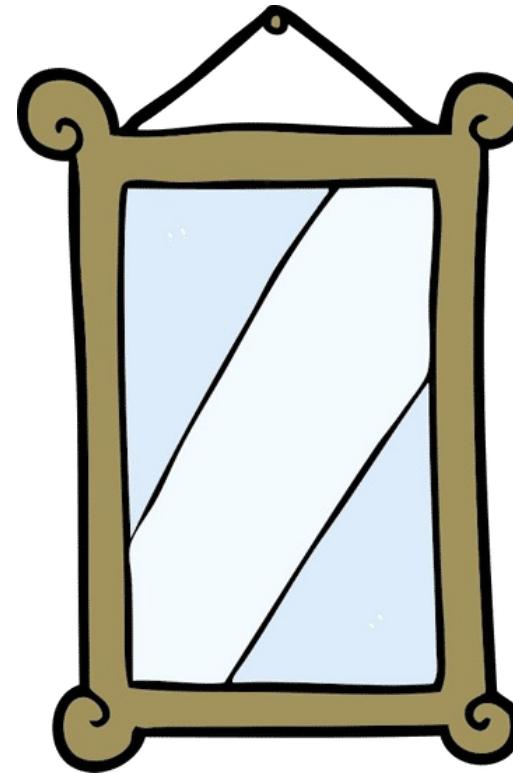
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How Data Management and Data Governance Overlap

How Data Management and Data Governance are the Same/Different

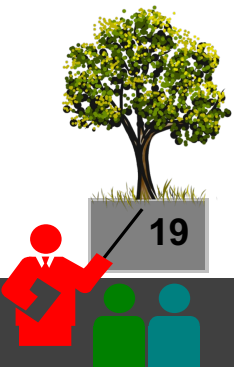
- How They Are The Same
 - Focus on Data
 - Organizational Alignment
 - Policies and Standards
 - Collaboration and Accountability
 - Compliance and Risk Management

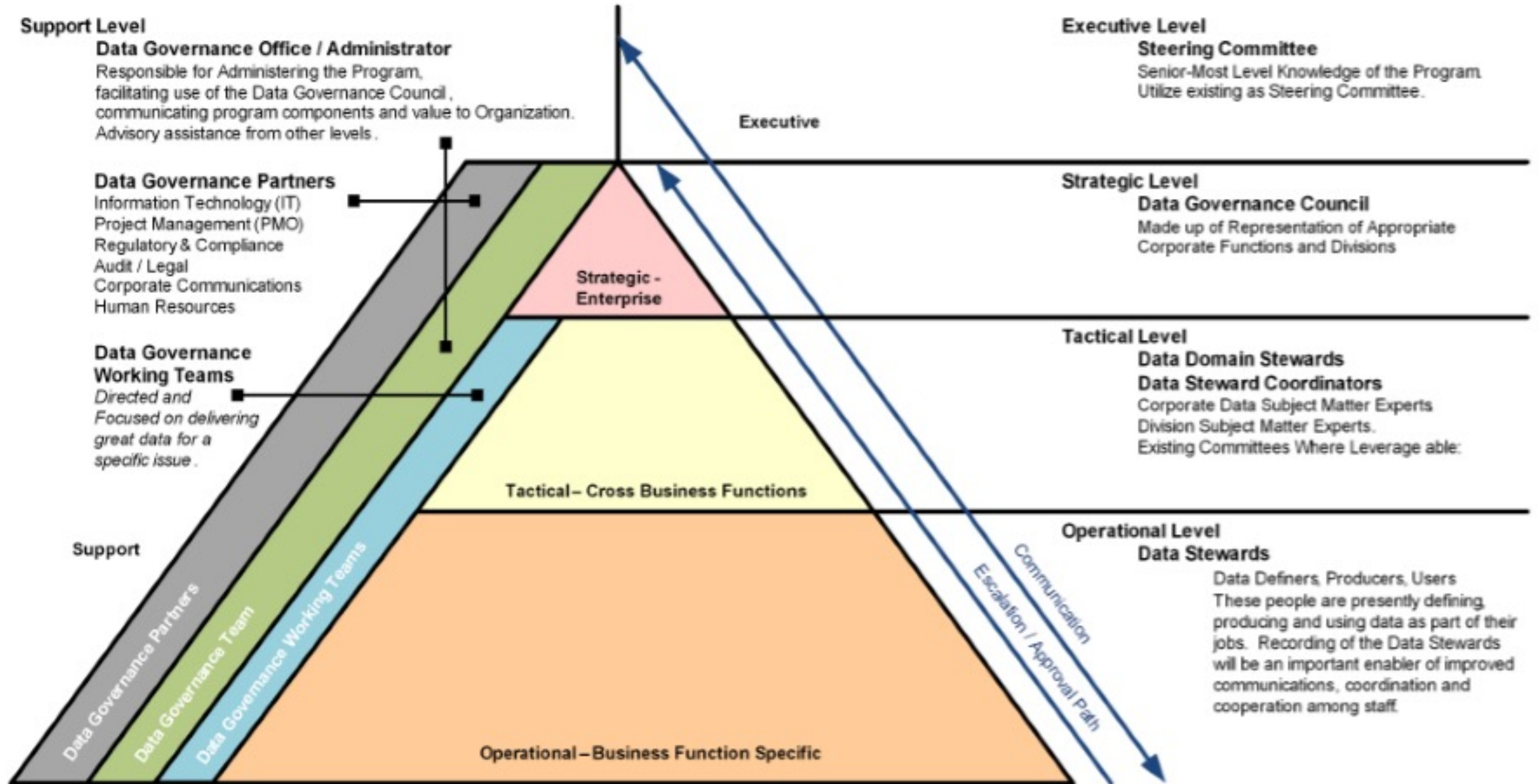


How Data Management and Data Governance Overlap

How Data Management and Data Governance are the Same/Different

- How They Are Different
 - Focus and Perspectives – Discussed Earlier
 - Scope – Discussed Earlier
 - Level of Abstraction
 - Data Management – Concrete and Hands-On
 - Data Governance – Ensures Consistent and Responsible Data Management Practices
 - Roles and Responsibilities
 - Data Management – Engineers, DB Administrators, Modelers, Data Analysts, Scientists, ...
 - Data Governance – Councils, Subject Matter Experts (SMEs), Stewards, Partners, ...

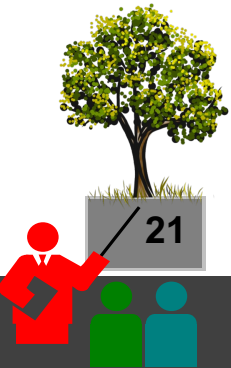




How Data Management and Data Governance Overlap

How Data Management and Data Governance are the Same/Different

- Does It Matter
 - It Depends ... Is Anybody Asking?
 - Is There “Conflict”?
 - Is There a Need for Clear Definition?
 - The chances are that the similarities and differences need to be clearly articulated.



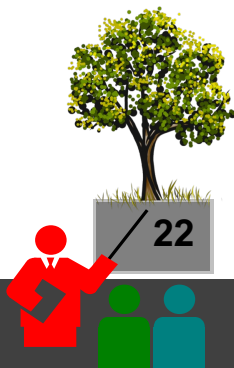
How Data Management and Data Governance Overlap

How Data Management and Data Governance are the Same/Different

- Why Should Anybody Care
 - Different Leadership
 - Different Management
 - Different Budgets and Resources
 - Different Plans and Strategies
 - Conflicting or Coordinated?



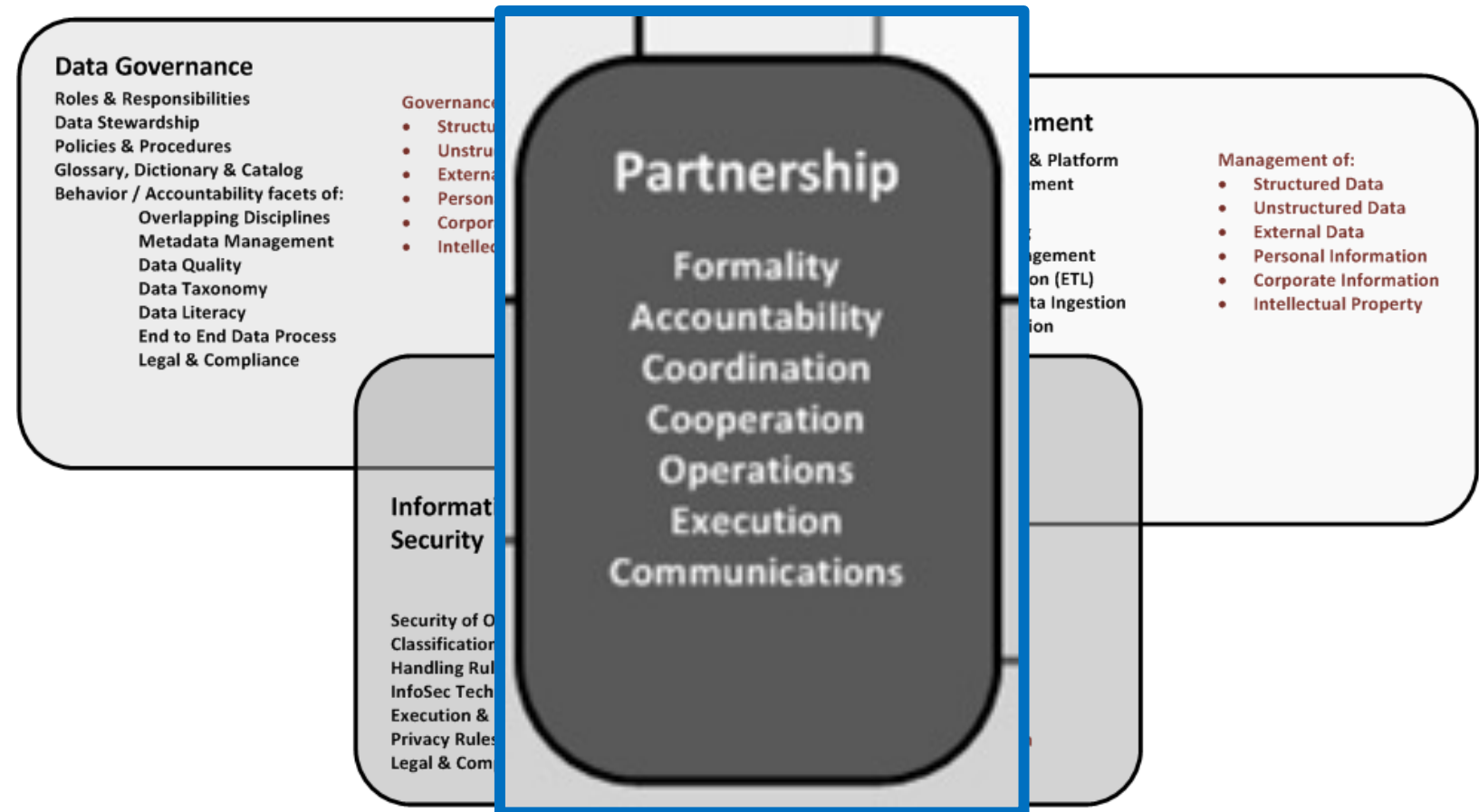
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How Data Management and Data Governance Overlap

Building a Partnership Between Data Management and Data Governance

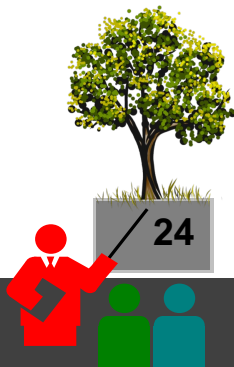
- Formality
- Accountability
- Coordination
- Cooperation
- Operations
- Execution
- Communications



How Data Management and Data Governance Overlap

Building a Partnership Between Data Management and Data Governance

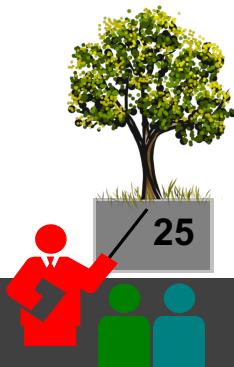
- Formality
 - Collaborative Governance Structures
 - Shared Goals and Objectives
 - Integrated Process and Workflows
 - Communications and Knowledge Sharing
 - Cross-Functional Training and Skill Development
 - Joint Initiatives and Projects



How Data Management and Data Governance Overlap

Building a Partnership Between Data Management and Data Governance

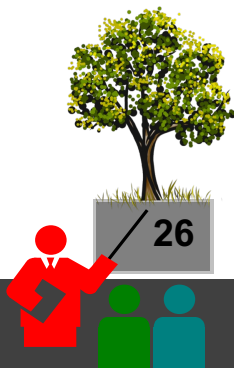
- Accountability
 - Clearly Defined Roles and Responsibilities
 - Collaborative Policy Development
 - Data Stewardship and Data Management Alignment
 - Metrics and Key Performance Indicators
 - Training and Education



How Data Management and Data Governance Overlap

Building a Partnership Between Data Management and Data Governance

- Coordination
 - Communication and Collaboration
 - Shared Business Glossary and Metadata Management
 - Coordinated Data Integration and Data Quality Initiatives
 - Joint Data Governance Framework Development
 - Cross-Functional Projects and Initiatives
 - Continuous Feedback and Improvement



How Data Management and Data Governance Overlap

Building a Partnership Between Data Management and Data Governance

- Cooperation
 - Establish a Shared Vision
 - Cross-Functional Training and Development
 - Joint Problem-Solving and Decision-Making
 - Shared Metrics and Performance Evaluation
 - Joint Project Teams and Initiatives
 - Continuous Communications and Feedback



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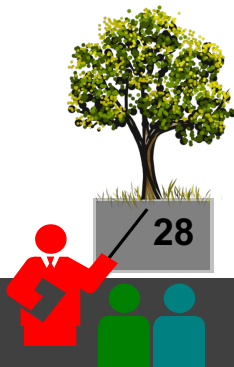
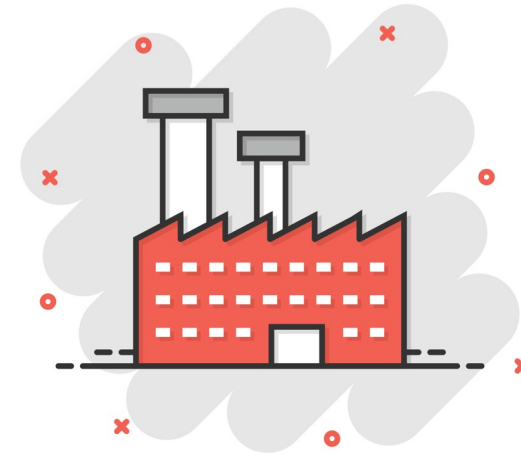
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How Data Management and Data Governance Overlap

Building a Partnership Between Data Management and Data Governance

- Operations
 - Align Data Management Practices With Governance Policies
 - Shared Data Catalog and Metadata Management
 - Data Lifecycle Management
 - Data Quality Management
 - Change Management and Governance Updates
 - Regular Performance Monitoring and Reporting



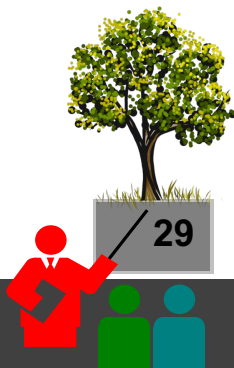
How Data Management and Data Governance Overlap

Building a Partnership Between Data Management and Data Governance

- Execution
 - Joint Planning and Strategy Development
 - Cross-Functional Project Teams
 - Data Governance and Data Management Integration
 - Change Management and Communications
 - Performance Monitoring and Continuous Improvement
 - Knowledge Sharing and Lessons Learned



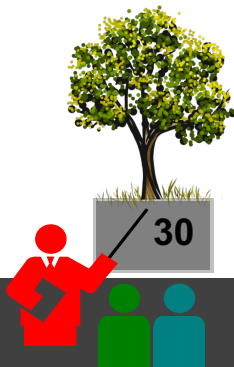
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Building a Partnership Between Data Management and Data Governance

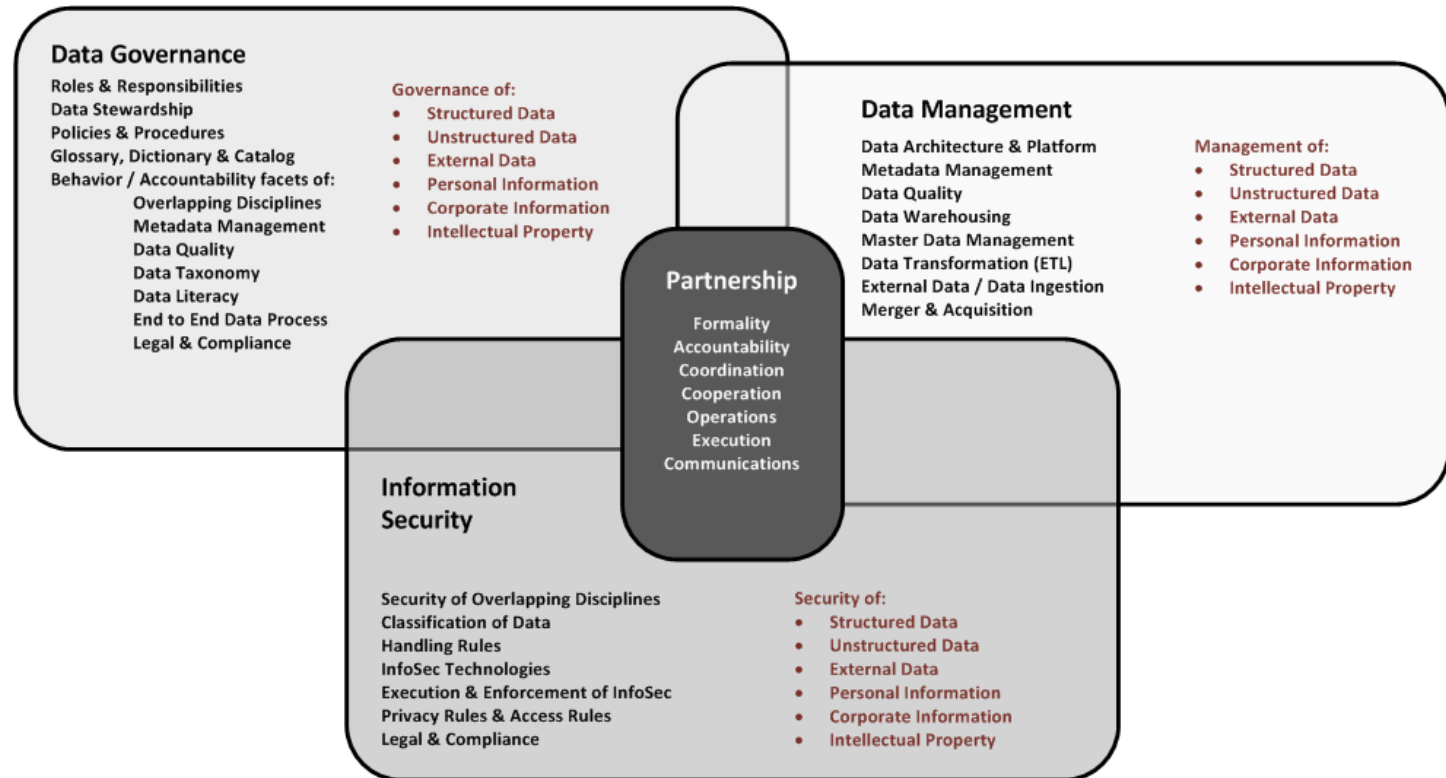
- Communications
 - Shared Communication Strategy
 - Coordinated Data Governance Awareness Campaigns
 - Data Management and Governance Guidelines and Standards
 - Collaborative Training and Workshops
 - Regular Stakeholder Communications
 - Executive Sponsorship and Endorsement



How Data Management and Data Governance Overlap

Advancing the Two Disciplines Together – The Overlap

- Reporting Structure
- Working Apart
- Working Together
- Becoming Partners



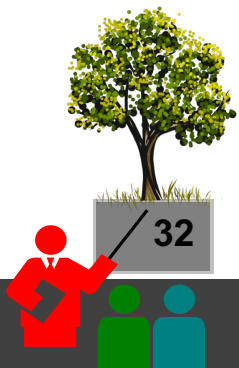
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How Data Management and Data Governance Overlap

Advancing the Two Disciplines Together – The Overlap

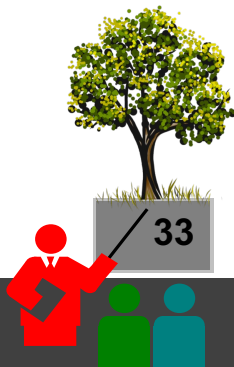
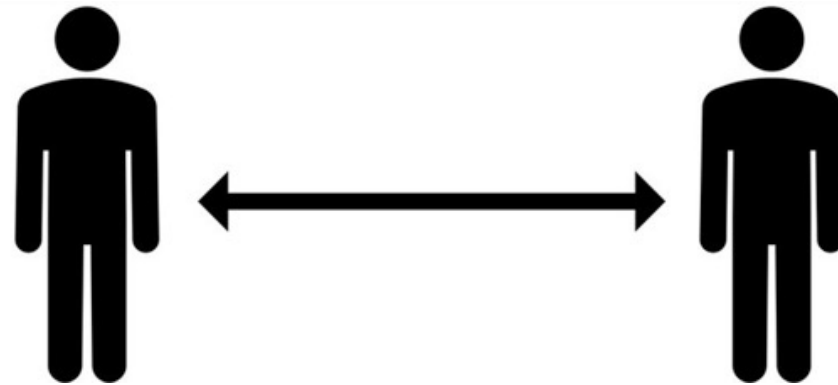
- Reporting Structure
 - Establish Dedicated Reporting Lines
 - Executive Oversight and Sponsorship
 - Data Governance Committee
 - Metrics and Performance Reporting
 - Cross-Functional Collaboration Reporting
 - Reporting on Compliance and Risk Management
 - Continuous Improvement Reporting



How Data Management and Data Governance Overlap

Advancing the Two Disciplines Together – The Overlap

- Working Apart
 - Virtual Collaboration Tools
 - Clear Roles and Responsibilities
 - Remote Training and Education
 - Remote Data Governance Meetings
 - Remote Data Management Practices
 - Remote Monitoring and Reporting
 - Remote Change Management



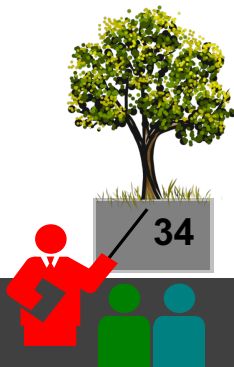
How Data Management and Data Governance Overlap

Advancing the Two Disciplines Together – The Overlap

- Working Together
 - Cross-Functional Collaboration
 - Integrated Data Management and Data Governance Practices
 - Shared Goals and Metrics
 - Executive Support, Sponsorship, and Understanding
 - Coordinated Project Planning
 - Continuous Learning and Improvement
 - Training and Skill Development
 - Effective Communication Channels



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How Data Management and Data Governance Overlap

Advancing the Two Disciplines Together – The Overlap

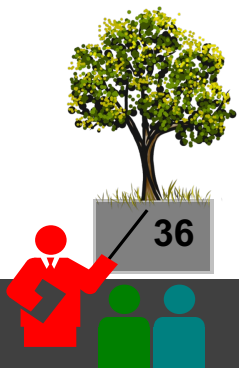
- Becoming Partners
 - Establish a Partnership Framework
 - Joint Strategy Development
 - Cross-Functional Collaboration
 - Shared Governance Framework
 - Integrated Processes and Tools
 - Joint Accountability and Measurement
 - Continuous Learning and Improvement
 - Executive Support and Recognition



How Data Management and Data Governance Overlap

Summary

- In the webinar, I shared ...
 - Foundational Definitions for Data Management and Data Governance
 - Defining the Function of Each Discipline
 - How Data Management and Data Governance are the Same/Different
 - Building a Partnership Between Data Management and Data Governance
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Q & A - Contact Information

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thank you

