



TDWI Data Governance Fundamentals: Managing Data as an Asset

Training Calendar

Date	Training Time	Location
05 August 2019	1 Day	Bilginç IT Academy
18 November 2019	1 Day	Bilginç IT Academy

Training Details

Training Time	:	1 Day
Capacity	:	10
Prerequisites	:	There are no prerequisites for this course.

About Training

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Data is a critical resource for every organization. We depend on data every day to keep records, produce reports, deliver information, monitor performance, make decisions, and much more. The data resource is on par with financial and human resources as a core component of doing business, yet data management practices are often quite casual. Data governance brings the same level of discipline to data management as is typical when managing financial and human resources.

Building a data governance program is a complex process that focuses people, processes, policies, rules, and regulations to achieve specific goals for a managed data resource. Successful and effective data governance depends on clear goals and well executed activities that match governance practices to your organization's needs, capabilities, and culture. A continuously evolving program is necessary to keep pace with trends such as cloud services, big data, and

agile development. This course provides fundamental understanding of data governance concepts and techniques that is essential to start a new governance program or evolve an existing program.

What You'll Learn

- Definitions and dimensions of data governance
- Key considerations and challenges in building a data governance program
- The practices, roles, skills, and disciplines essential to data governance
- The qualities that make good data stewards and stewardship organizations
- The processes of developing, executing, and sustaining data governance
- Activities, issues, and options when building a data governance program
- How maturity models are applied for data governance
- The importance of adapting data governance for trends such as big data, cloud services, and agile development methods

Who Should Attend

Data quality and data governance professionals; BI/DW managers, architects, designers, and developers; data stewards, data architects, and data administrators; anyone with a role in data governance or data quality management

Outline

- **Module One: Data Governance Concepts**
- **Defining Data Governance**
- Governance defined
- Applying governance to data
- The data-to-value chain
- Governance through the information lifecycle
- Why govern data?
- **Dimensions of Data Governance**
- People – organizations and individuals
- Processes – defining, creating, and using data
- Goals – quality, standardization, consolidation, compliance, usefulness
- Constraints – standards, policies, procedures, rules, regulations, controls
- **Data Governance Challenges**
- What data to govern?
- Who governs data?
- Where, when, and how to get started?
- How to fund data governance? How to staff data governance?
- **Fostering Participation**
- Participation and resistance
- Awareness
- Perception of value

- Providing services
- **Module Two: Data Governance Organizations**
- **Positioning Data Governance in the Enterprise**
- Connecting business strategy, information management programs, and data governance
- **Governance and Management Practices**
- Responsibility, accountability, & authority
- Decision rights
- Horizontal management in vertical organizations
- **Data Governance Roles**
- Data Ownership
- Data Stewardship
- Data Custodianship
- Stakeholders
- **Data Governance Skills and Disciplines**
- Data architecture
- Data definition
- Metadata management
- Issue resolution
- **Module Three: Data Stewardship**
- **Stewardship Concepts**
- Responsibilities and accountabilities
- Goals, purpose, and results
- **Stewardship Organizations**
- Kinds of data stewards
- Stewardship and data domains
- Councils, committees, and other organizational structures
- **Stewardship Skills and Knowledge**
- People skills – communication, facilitation, consensus building, etc.
- Data skills – definition, naming, modeling, etc.
- Business knowledge – business domain, data domain, rules, regulations, etc.
- Governance knowledge – goals, standards, processes, procedures, etc.
- **Module Four: Data Governance Processes**
- **Governance and Management**
- The processes of governing data
- **Data Management Processes**
- Stewardship of data
- **Program Development Processes**
- Policy alignment
- Establishing decision rights
- Designating accountabilities and responsibilities
- Defining goals and measures
- **Program Operation Processes**

- Stakeholder support
- Communication and training
- Measurement and monitoring
- Technology alignment
- **Program Sustaining Processes**
- Scope and priorities management
- Issues management
- **Program Growth Processes**
- Change management
- Capabilities development
- **Module Five: Building a Data Governance Program**
- **Getting Started**
- Where to begin?
- How much data?
- How much governance?
- What do you already have?
- Top-down or bottom-up?
- **Planning & Preparation**
- The business case
- Program charter
- **Building the Team**
- Organizational structure
- Participants & roles
- Responsibilities & accountabilities
- Communication & coordination
- **Building the Infrastructure**
- Technology – metadata, wikis, portals, etc.
- Standards – for processes, documents, deliverables, etc.
- Services – for data providers, for data consumers, for system developers, etc.
- **Executing Governance**
- Program execution
- Planning and executing projects
- Supporting projects
- Day-to-day governance
- **Module Six: Evolving Data Governance**
- **Modernizing and Maturing Data Governance**
- Responding to change
- Maturity models
- **Cloud Data Governance**
- Changing the data governance landscape
- Data security and privacy in the cloud
- Governance considerations

- **Big Data Governance**
- Big data sources
- Governance considerations
- **Agile Data Governance**
- Agile teams
- Agile considerations
- Governing with agility
- **Module Seven: Summary and Conclusion**
- Summary of Key Points
- References & Resources
- Appendix A: Bibliography and References
- Appendix B: Tools and Templates
- Data Governance Motivations (Assessment)
- Decision Rights (Template)
- Data Stewardship Needs (Assessment)
- Data Stewardship Skills (Assessment)
- Stakeholder Census (Assessment)
- Data Governance Program Charter (Template)