



Data Governance for Data Stewards

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Module 0. About the Course (7 min)

Module 1. Introduction to Data Governance (25 min)

- *What Is Data Governance*
- *Not a One Size Fits All Program*
- *Enterprise Data Governance*
- *What Aspects of Data Can be Governed*
- *Why Govern Data*
 - Legal Reasons
 - Privacy Laws
 - Financial Disclosures
 - Internal Contracts
 - Regulatory and Standards Compliance
 - Information Security Standards
 - Regulatory Standards and Reporting
 - Cost Advantages
 - Process Efficiency
 - Competitive Advantage
- *What Data Should be Governed*
- *Types of Data Governance Programs*
- *Business Drivers for Data Governance*
 - Company Data Pain Points
 - Data Quality
 - Financial Re-statements
 - Regulatory or Legal Issue
 - Customer Issue
 - Business Process Gaps
 - Critical Process Reengineering
 - Customer Relationship Management
 - Integrated Supply Chain
 - Enterprise Resource Planning
 - Strategic Business Initiatives
 - Strategic IT Initiatives

Module 2. Data Governance Architecture & Design (78 min)

- *Architecture & Design (BIG UNIT): Part 1*
- *Architecture & Design: Part 2*
- *Capabilities*
 - Capabilities
 - Generic DG Capabilities
 - Sonrai DG Capabilities Chart
 - Sonrai DG Capabilities Model: Parts 1-4
 - Align Capabilities with Business Needs
 - Tools and Technology: Parts 1-2
- *Operating Frameworks*
 - Where is the DG Department?
 - Operating Framework
 - Operating Framework/Model
 - Federation
 - Data Governance Framework Styles



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- Levels of Federation Parts 1-2
- Sample Data Governance Target Operating Model
- Essential Accountability. Roles, Responsibilities
- Functional RACI example
- Initial Proactive Operating Model
- Minimum Sustainable
- Determine Minimum Sustainable Framework
- Minimum Sustainable Operating Model
- *Engagement and Workflow*
 - Engagement Models Part 1 & 2
 - Types of Engagement
 - Example – Data Governance Project Engagement
 - Refine Processes
 - Functional Design Activity
 - Complete Roles and Responsibility Identification
 - Functional RACI Example
 - Review and Obtain Approval
 - Socialize
 - Hints of Socialization

Module 3. Data Governance Implementation Fundamentals (59 min)

- *Overview*
- *Selecting Data and Setting Goals*
 - Selecting Data
 - Goals Overview
 - Data Quality Goals
 - Access and Handling Goals
 - Safety, Security, and Privacy Goals
 - Compliance and Legal Goals
 - Efficiency Goals
 - Translating Goals into Actions
- *Policies and Standards*
 - Overview
 - Naming Policies and Standards
 - Data Quality Policies and Standards
 - Transfer Policies and Standards
 - CRUD Policies and Standards
 - Archive Policies and Standards
 - Security Policies and Standards
 - Privacy Policies and Standards
 - Architecture Policies and Standards
- *Governance and Company Processes*
 - Overview
 - IT Sub-processes
 - IT Architecture
 - IT Investment Portfolio Evaluation
 - New IT Projects
 - IT Infrastructure
 - Business Sub-processes
 - CRUD



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- Supplier and Business Partner
- Corporate Audit
- Security and Privacy
- Regulatory
- People in Data Governance
 - Overview
 - Who should govern data?
 - Business Roles
 - IT Roles
 - Internal Operations Role
 - Management Role
- Managing and Measuring Data Governance
 - Overview
 - Decision Making, Prioritization, Compliance and Performance
 - Practitioners Forums
 - Ensuring Data Governance Compliance
 - Managing Risk
 - Measure Data Governance Effectiveness
 - Examples of Popular Maturity Models
 - IBM Maturity Model
 - Data Governance Scorecards
 - Scorecard Categories
 - Managing the “People” Side

Module 4. Data Governance of Emerging Data Solutions (65min)

- *Introduction*
- *Big Data*
 - What is Big Data?
 - Big Data Use Cases
 - What Aspects of Big Data Can Be Governed
 - Technical Considerations of Big Data
 - Data Quality and Big Data
 - Big Data Metrics
 - Regulatory or Legal Considerations
 - Review
- *Cloud Applications*
 - Overview
 - What is Cloud Computing?
 - Cloud Deployments Models
 - What Does the Cloud Offer?
 - What Happens to Data in the Cloud?
 - Technical Considerations of the Cloud
 - Data Quality in the Cloud
 - Data Metrics in the Cloud
 - Regulatory and Legal Considerations: Parts 1 & 2
 - Review

Module 5. Modernizing Data Governance (53 min)

- *Overview*
- *The Data Quake: From Stable to Volatile*



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- *New Data Governance Challenges*
 - Big Data and More
 - New Data, Same Goals
 - The Right Balance
- *Curating and Cataloging Data*
 - Data Curation Definition
 - Why Data Curation?
 - Curate Vs. Govern
 - Data Curator Knowledge
 - Curating Through the Data Lifecycle Parts 1-4
 - Curating Big Data
 - Data Cataloging Defined
 - Comparisons Pars 1-2
 - Why Data Cataloguing Parts 1-2
 - Catalog Metadata Parts 1-2
 - Data Catalog Tools
- *Rethinking Data Governance Practices*
 - The Tensions
 - Policy Enforcement Parts 1-3
 - Policy Complexity Parts 1-2
 - Decision Rights Parts 1-2
 - Process Rigor Parts 1-3
- *Technologies and Modern Data Governance*
 - Technologies Overview
 - Data Ingestion
 - Data Cataloging
 - Data Preparation
 - Reporting and Analysis
 - Pipeline Management
- *Module Summary*