

TDWI Data Governance Innovations Adapting for Agile, Big Data, and Cloud Course Outline

Module 1: The Current State of Data Governance

- Current Definitions
 - Assets, Management, and Policies
- Current Focus
 - Decision Rights
 - Policy and Enforcement
- Current Organizations
 - Organization Structure
 - Roles
- Current Processes
 - Policy Making
 - Issue Resolution and Change Control
- Why Data Governance Innovations?
 - Driving Forces
 - Evolving Definition and Purpose
 - From Decision Rights to Decision Models
 - From Enforcement to Prevention
 - From Bureaucracy to Flexibility
 - From Rigor to Agility
- Areas of Innovation
 - From Current State to Future State

Module 2: Agile Data Governance

- Agile Development
 - Agile Process and Values
 - Test-Driven Development
- Agile Teams
 - Two Levels
- Agile Projects
 - Agile Projects and Governance Goals
 - Agile Projects and Data Stewardship
 - Agile Projects and Data Governance Services
- Agile Culture
 - Agile Culture and Governance Roles
 - Agile Culture and Decision Processes
- Agile Governance
 - Governing with Agility

Module 3: Big Data Governance

- Big Data Basics
 - Big Data Defined
 - Big Data Sources

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- Big Data Characteristics
- Data Governance Needs
- Big Data and Governance Goals
 - Security and Privacy
 - Quality
 - Compliance
 - Integration
 - Metadata
 - Retention and Disposal
 - Value and Risk

Module 4: Cloud Data Governance

- Cloud Data Basics
 - Data Options in the Cloud
 - Changing the Data Governance Landscape
- Cloud Data and Data Governance Goals
 - Data Security and Privacy in the Cloud
 - Data Quality in the Cloud
 - Compliance in the Cloud
 - Data Integration in the Cloud
 - Disaster Recovery in the Cloud
 - Data Asset Value in the Cloud
- Migrating to the Cloud
 - Data Governance Roles

Module 5: Metadata and Governance

- Metadata Basics
 - Metadata Defined
 - Purposes of Metadata
 - Metadata Benefits
 - Metadata and Data Lifecycles
- Metadata Types
 - The Scope of Metadata
 - Business Metadata
 - Design Metadata
 - Implementation Metadata
 - Operations Metadata
- Metadata Processes
 - Metadata Management Activities
- Metadata Challenges
 - Metadata Management Issues
 - Metadata Disparity and Disintegration
 - Big Data and Metadata
 - Cloud Data and Metadata

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- Metadata Governance
 - Governance for Metadata

Module 6: Ethics, Mobile, Social and Governance

- Ethics and Data Governance
 - Why Ethics Matters
 - Data and Ethics
 - BI and Ethics
 - Managing Ethics in Business
- Mobile Technology and Data Governance
 - Governance Risks
 - Governance Opportunities
- Social Media and Data Governance
 - Governance Risks
 - Governance Opportunities

Module 7: Contemporary Governance Techniques

- Data Governance Zones
 - Data Variety and Pragmatic Governance
- Flat Governance Organizations
 - Simplify for Agility
 - Embedded Governance
- BI for Governance
 - Applying BI Concepts for Data Governance
 - Measuring and Monitoring Governance
- Technology for Governance
 - Opportunities and Applications

Module 8: Summary and Conclusion

- Summary of Key Points
 - A Quick Review
- References and Resources
 - To Learn More

Appendix A: Bibliography and References