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 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**