Agile Data Governance for Research Projects Training Course

Professional Development Training Course Outline

Category	Research and Data Analysis	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today’s rapidly evolving research landscape, Agile Data Governance has become a critical asset for managing data-driven projects. With the explosion of big data and the growing demand for real-time analytics, institutions and organizations must implement agile, scalable, and secure governance frameworks. Agile Data Governance for Research Projects Training Course is designed to equip researchers, data managers, and project leaders with the skills to implement agile governance models that ensure data integrity, compliance, collaboration, and continuous improvement throughout the research lifecycle.

Through practical case studies, hands-on exercises, and interactive modules, learners will explore how to align governance practices with agile research workflows. The course integrates data stewardship, data quality assurance, metadata management, and compliance frameworks such as GDPR and HIPAA, ensuring a solid foundation for managing sensitive and high-volume research data in multidisciplinary environments.

Programme Curriculum

Agile Data Governance for Research Projects Training Course

Introduction

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Course Objectives

1. Understand the core principles of Agile Data Governance.
2. Identify the components of an effective data governance framework.
3. Apply agile principles to research data management practices.
4. Develop a data governance strategy that supports research agility.
5. Explore tools and platforms that enable collaborative data governance.
6. Implement data stewardship models for accountability and traceability.
7. Integrate data quality assurance within agile workflows.
8. Analyze metadata management strategies for research projects.
9. Align governance policies with data privacy laws and regulations.
10. Evaluate case studies of agile data governance in real-world research.
11. Build governance workflows using Jira, Confluence, or similar tools.
12. Apply agile methodologies (Scrum, Kanban) to data lifecycle management.
13. Foster a data-centric culture across research teams and stakeholders.

Target Audiences

1. Research Project Managers
2. Data Governance Officers
3. Academic Researchers
4. Research Compliance Managers
5. Data Scientists and Analysts
6. University IT Administrators
7. Institutional Review Board Members
8. Policy Makers in Research Ethics

Course Duration: 5 days

Course Modules

Module 1: Foundations of Agile Data Governance

- Introduction to Agile Governance Principles
- Benefits of Agile in Research Contexts
- Key Differences Between Traditional and Agile Governance
- Agile Governance Maturity Models
- Governance Risks in Research Projects
- **Case Study**: Transitioning from Traditional to Agile Governance in a Medical Research Institution

Module 2: Research Data Lifecycle and Agile Frameworks

- Understanding the Data Lifecycle in Research
- Mapping Agile Frameworks to Data Phases
- Use of Scrum and Kanban in Data Management
- Data Ownership and Responsibilities
- Managing Continuous Feedback Loops
- **Case Study**: Using Agile in Longitudinal Behavioral Studies

Module 3: Data Stewardship and Accountability Models

- Defining Roles of Data Stewards
- Creating Data Accountability Matrices (RACI)
- Collaborative Governance Models
- Implementing Data Lineage Tracking
- Enhancing Trust in Research Data
- **Case Study**: Implementing Data Stewardship in Public Health Research

Module 4: Metadata and Documentation Strategies

- Importance of Metadata in Research
- Standards for Metadata Documentation
- FAIR Principles in Research Data
- Version Control for Research Documentation
- Metadata Catalog Tools and Usage
- **Case Study**: Metadata Management in a Genomic Research Lab

Module 5: Ensuring Data Quality in Agile Environments

- Dimensions of Data Quality (Accuracy, Timeliness, etc.)
- Integrating QA in Sprints and Reviews
- Automated Data Validation Tools
- Quality Metrics and Continuous Monitoring
- Handling Data Inconsistencies in Real Time
- **Case Study**: Real-Time Quality Checks in Climate Data Research

Module 6: Compliance, Privacy & Ethical Governance

- Navigating GDPR, HIPAA, and Other Regulations
- Ethics Boards and Compliance Oversight
- Building Data Consent Workflows
- Data Anonymization Techniques
- Risk Mitigation Plans for Research Data
- **Case Study**: Ethical Governance in Cross-Border Clinical Trials

Module 7: Tools & Technologies for Agile Governance

- Overview of Agile Project Management Tools (Jira, Trello, Confluence)
- Data Governance Platforms and Automation Tools
- Integration with Cloud Storage and Repositories
- Role of AI in Policy Enforcement
- Choosing the Right Tool Stack for Your Project
- **Case Study**: Tool Integration in AI-Based Education Research

Module 8: Scaling Agile Governance in Institutions

- Building Governance Capacity in Research Organizations
- Establishing Governance Communities of Practice
- Governance Audits and Continuous Improvement
- Institutional Policies vs. Agile Flexibility
- Leadership Roles in Driving Governance Adoption
- **Case Study**: Agile Governance Implementation in a National Science Foundation-Funded Research Center

Training Methodology

- Interactive lectures led by industry experts
- Hands-on exercises and tool demos

- Group activities and workshops for peer learning
- Case study analysis across disciplines
- Templates and toolkits for practical implementation
- Knowledge assessments and feedback loops

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

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