

## Data Management & Governance Training

This course teaches you to train, manage, and deploy machine learning models on Azure. The training will provide trainees with comprehensive knowledge and skills in data management with a framework outlining the essential components and best practices of data management. The training program aims to educate professionals on the principles, concepts, and techniques necessary for effective data management across your organization. It covers topics such as data governance, data quality, data architecture, data modeling, and data integration.

### Learning Objectives

After completing this training, participants can enhance their data management capabilities and contribute to the efficient and effective management of data within the organization.


- Understand the fundamental principles and concepts of data management.
- Gain knowledge of the DAMA-DMBOK framework and its components.
- Comprehend the roles and responsibilities of data management professionals.
- Learn best practices for data governance and how to establish effective data governance frameworks.
- Develop an understanding of data quality management and techniques for ensuring data integrity.
- Acquire knowledge of data architecture and its importance in organizing and structuring data.
- Learn data modeling techniques and how to create logical and physical data models.
- Understand data integration approaches and technologies for seamless data flow across systems.
- Gain insights into metadata management and its role in data governance and data quality.
- Learn about master data management and techniques for managing and integrating master data.
- Comprehend the principles of data warehousing and data analytics.
- Understand the impact of emerging technologies, such as big data and cloud computing, on data management.
- Explore best practices for data privacy, security, and compliance.
- Learn about data lifecycle management and data stewardship.
- Gain practical skills through hands-on exercises and case studies.

### Course Pre-requisites


Basic knowledge of data management concepts, familiarity with the fundamental principles and terminology of data management and terminologies is beneficial.

### Course Delivery Method

This course will be delivered using PowerPoint slides for explaining concepts and Hands-on exercises and case studies, these practical components allow participant to apply their knowledge, practice skills, and gain a deeper understanding of how to implement data management practices in various scenarios.



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## Proposed Training Agenda:

Day 1:

- Introduction to Data Management and DAMA
- Data Governance and Stewardship
- Data Quality Management
- Data Integration and ETL (Extract, Transform, Load) Processes

Day 2:

- Data Architecture and Modeling
- Master Data Management
- Data Analytics and Business Intelligence
- Data Privacy and Security

Day 3:

- Big Data Management and Analytics
- Data Warehousing and Data Lake Concepts
- Data Visualization and Reporting
- Data Management for Regulatory Compliance

Day 4:

- Data Strategy and Roadmap Development
- Data Governance and Data Ethics
- Data Management Best Practices
- Data Management Tools and Technologies

Day 5:

- Data Management in Cloud Environments
- Data Governance Implementation and Execution
- Data Management Case Studies and Industry Examples
- Data Management Workshop and Group Exercise

**Exam Prep** - This training prepares candidates for the Data Management Fundamentals exam and covers 14 topics.

**Certification**- Candidates will receive a Microsoft Partner accredited certificate upon completion.

**Time Schedule**- This section contains the proposed time schedule for this training.

5 working days required for training completion.

Category	No. of Days	Date
Batch A	5	Jan 15th - Jan 19th 2024
Batch B	5	Jan 22nd - Jan 26th 2024
Batch C	5	Jan 29th - Feb 2nd 2024

