

**Training Title**

**INFORMATION DATA MANAGEMENT**

**Training Duration**

**5 days**

**Training Dates & Venue**

ML033	Information Data Management	5	22 - 26 Jan. 2024	\$5,500	Dubai, UAE
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Training will be held at any of the 5-star hotels. The exact venue will be informed once confirmed.

**Training Fees**

- \$5,500 per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Buffet Lunch

**Training Certificate**

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.

**TRAINING OVERVIEW**

**TRAINING DESCRIPTION**

Data management plays a significant role in an organization's ability to generate revenue, control costs and mitigate risks. Successfully being able to share, store, protect and retrieve ever-increasing amounts of data can be the competitive advantage needed to grow in today's business environment. Data Management plays a key role in helping an organization mitigate risks.

This course provides an overview of data management. The need to deliver good data management is increasingly being seen as providing an advantage across the industry, since wise business decisions depend on sound data and information.

**TRAINING OBJECTIVES**

This course focuses on the techniques and applications of data management and analysis. Typically, focuses on understanding the data, empirical model building using observational data for characterization, estimation, inference and prediction. Participants will leave this course with an understanding of the core data types, their use in business, and data management issues facing companies. You will have the knowledge and tools to

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participate in developing a structured data management framework, which deals with issues in all practical and effective manners to ensure efficiency and effectiveness.

Participants will study the theory, principles and methods for data management and analysis of observational data. Participants will develop empirical model building skills and be able to employ the models for characterization, estimation and prediction purposes.

### WHO SHOULD ATTEND

This course is intended for Operators, Engineers, managers and decision makers in various industrial and service sectors, private and public fields that need a tool to plan for the future of their company. Strategic planning managers, research and development managers, general managers, and can be tailored according to company's specific needs.

### TRAINING METHODOLOGY

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions and motivate everybody to find the right answers. The delegates will also be encouraged to raise their own questions and to share in the development of the right answers using their own analysis and experiences.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work & Practical Exercises
- 20% Videos & General Discussions

### TOPICS COVERED

- Resources and data types: definitions
- Common data management issues cause of data issues, data management best practices, business impact.
- Overview of data management: definition, data lifecycle, importance and value of data management, benefits of good data management, business case aspects and barriers.
- Data management framework: governance, architecture, security, reference and master data management, data quality management.
- Data loading & Data quality control
- Best Practices

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## COURSE OUTLINE

Below topics will be covered in detail:

### PART I: Data Management

- Resource and Data types: definitions
- Common data management issues causes of data issues, data management best practices, business impact
- Overview of data management: definition, data lifecycle, importance and value of data management, benefits of good data management, business case aspects and barriers
- Data management framework:
  - Data Governance
  - Data Architecture Management
  - Data Security Management
  - Data Development
  - Data Operation Management
  - Data Warehousing & Business Intelligence Management
  - Document & Content Management
  - Reference and Master Data Management
  - Data Quality Management
  - Meta Data Management
- Data loading & Data quality control
- To know what Data are important.
- Data Presentation
- Data Interpretation
- Best practices

### PART II: DATA ANALYSIS

- Introduction to Statistics and data description
- Sampling Distribution
- Case Study
- Parameter Estimation

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- Testing of Hypotheses
- Case Study
- Simple Linear regression
- Multiple Linear Regression
- ANOVA Tables
- Case Study

**NOTE:**

**Pre & Post Tests will be conducted.**

**Case Studies, Group Exercises, Group Discussions, Last Day Review & Assessments will be carried out.**



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