

Course : Data quality management approach

Synthesis course - 2d - 14h00 - Ref. MQD

Price : 2020 CHF E.T.

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BEST

On completion of the course, you will be able to initiate a data quality management strategy to guarantee data integrity and operational reliability. Quality control and operational monitoring will no longer hold any secrets for you at the end of this practical training course.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understanding the strategic role of data value for the enterprise
- ✓ Understand the principles and organization of data governance
- ✓ Implement a data quality measurement approach
- ✓ Understand the tools and methodologies used in data quality management
- ✓ Identify the regulatory environment for data

Intended audience

Data quality analysts, consultants, IT architects, project managers, IT managers, quality method experts.

Prerequisites

Basic knowledge of information systems and mass data processing issues.

Course schedule

1 Introduction

- The strategic role of data for the company.
- The difference between data and information.
- The company's various data sources.
- The different forms of data exploitation.
- Architectures: relational, NoSQL or big data.

PARTICIPANTS

Data quality analysts, consultants, IT architects, project managers, IT managers, quality method experts.

PREREQUISITES

Basic knowledge of information systems and mass data processing issues.

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

2 Definition of quality and methodological framework

- Defining and measuring data quality.
- Data quality methodologies.
- Comparison between TDQM/DWQ/ AIMQ/ORME Data Quality.
- Principles for assessing the quality of company data.
- Summary of quality methodologies.
- Dimensions: definitions and measurements.

Case study

Case study: a group launches a quality initiative to comply with Solvency 2 and wishes to improve the quality of its customer data. General organization of the approach.

3 Data quality management approach

- The place of quality in the governance process.
- Actors and organization. The COBIT example.
- Implementation of the Project approach.
- The cost of non-quality.
- Scope of the quality approach.
- Level of approach and granularity.

Case study

The 10 actions to be launched by the governance committee.

4 Quality control and best practices

- Quality audit.
- Identification of low-quality data.
- A centralized approach to data quality.
- Types of controls and statistical tools.
- Use and evaluation of quality measurements.

5 Operational monitoring of data quality

- Quality dashboards.
- Continuous improvement cycle.
- What role for governance?

Case study

The group's data quality team sets up a reporting system: definition of indicators and acquisition method.

6 Raising the bar on quality

- Act upstream of the chain.
- Identification of atypical cases.
- Targeted management of low-quality data.
- Data reconciliation.

Case study

Example of data reconciliation in a group following the integration of a subsidiary.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

7 Summary

- Software offering: ETL and quality.
- Summary.
- Bibliography and websites.

Dates and locations

REMOTE CLASS

2026: 10 Mar., 21 May, 6 Oct., 17 Dec.