

Data Quality: Profiling, Cleansing & Governance

Learn to profile, cleanse and govern organisational data using key dimensions, rules, roles and tools.

8 Hours

DURATION

11

MODULES

66

TOPICS

COURSE OVERVIEW

Learn quickly with my Data Quality Management course that covers the latest best practices from the Data Industry. The course is structured in such a way that makes it easy even for absolute beginners to get started! This course will give you a deep understanding of the Data Quality Management discipline by using hands-on, contextual examples designed to showcase why Data Quality is important and how to use Data Quality principles to manage the data in your organization. In this Data Quality course you will learn: What is Data Quality; What is Data Quality Management; Why is Data Quality Important and how it affects your business; What are the different Data Quality Dimensions; What are Data Quality Rules; Profiling; Data Parsing; Data Standardization; Identity resolution; Record linkage; Data cleansing; Data enhancement; What is the Data Quality Process; What are the different Data Quality Roles; Data Quality Tools and their importance; Data Quality Best practices ... and much, much more!

WHO THIS COURSE IS FOR

Professionals working in a data organization

Professionals that want to understand what is Data Quality and how it can help their organization

Data Management professionals

Management that wants to gain knowledge in the importance of Data Quality Management

Anyone that wants to learn about Data Quality and add another skill to their resume

What You Will Learn

- Explain data quality and data quality management concepts
- Identify the six key data quality dimensions
- Apply data quality rules to real-world examples
- Describe techniques such as profiling, parsing and cleansing
- Compare data quality roles including steward and custodian
- Plan the steps of a data quality management process
- Evaluate data quality tools such as Informatica and Talend
- Describe data governance principles and roles

COURSE SYLLABUS

11 Modules, 66 Topics

01

Introduction

TOPICS

Introduction · Download the Course Resources · Certificate of Completion - how to get it

02

The Basics

TOPICS

- What is Data Quality?
- What is Data Quality Management?
- The Impact of Poor Data Quality
- Estimations on Cost of Poor Data Quality
- Data Quality Issue from real world case studies
- Why do we have bad data?

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6 Key Data Quality Dimensions

TOPICS

What is a Data Quality Dimension? · Data Accuracy · Data Validity · Data Timeliness · Data Completeness · Data Uniqueness · Data Consistency

04

Data Quality Rules

TOPICS

- What are Data Quality Rules
- Steps to Implement your own Data Quality Rules
- Example of implementing Data Quality Rules
- Data Quality Rules - Example 2

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Data Quality Techniques/Tools

TOPICS

- Data Profiling - What is it?
- Data Profiling - use cases
- Data Parsing
- Benefits of Data Parsing
- Data Standardization
- Identity Resolution
- Identity Resolution Process
- Identity Resolution Benefits
- Data Linkage
- Data Cleansing
- Data enhancement
- Data inspection and monitoring

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Data Quality Roles

TOPICS

Data Quality Roles intro · Data Quality Manager · Data Quality Analyst · Data Owner · Data Steward · Data Custodian · Data consumer

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Data Quality Process

TOPICS

- The Data Quality Management process
- Step 1 - Define the Data Quality Improvement goals
- Step 2 - Data Profiling
- Step 3 - Conduct Data Quality Assessment
- Step 3 addition - Using Root Cause Analysis Tools
- Step 4 - Resolve Data Quality Issues
- Step 5 - Monitor and Control

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Data Quality Tools

TOPICS

- Why Data Quality Tools are important?
- What is important in a Data Quality Tool?
- The Magic Quadrant for Data Quality Solutions by Gartner
- Informatica
- IBM
- SAP
- Talend
- Precisely
- Ataccama
- How to choose the right Data Quality Tool?

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Optional Section - Data Governance

TOPICS

- Why invest time learning about Data Governance?
- What is the difference between Data Governance and Data Quality
- Data Governance Definition
- Why do you need Data Governance
- Data Governance Gone Wrong
- Data Governance Core Principles
- Data Governance Roles & Responsibilities

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Data Quality Best Practices

TOPICS

- Top 5 Best Practices to implement

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What Next

TOPICS

- Thank You · Bonus Lecture

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

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