Data Modelling

Two Day Course

Master the vital techniques for constructing data models

MOYO

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Data Modelling

2 day, classroom training

Course Overview

This course is ideal for Business and IT professionals who are involved in the design of information systems and need to contribute to the specification of information flows and procedural rules using data modelling techniques.

Prerequisites

None.

Course Includes

This course includes a workbook containing key concepts on each topic covered and hands-on activities to reinforce the skills and knowledge attained. It also includes a digital student resources folder containing templates to support the hands-on activities.

Course Outline

- Data Modeling Introduction
  - What is a data model?
  - Why do we need a data model?
- Data Model Components
  - What are entities?
  - What are attributes?
  - What are relationships?
  - What are keys?
- Conceptual, Logical and Physical Models
  - What are conceptual models?
  - What are logical models?
  - What are physical models?
- Data Model Quality
  - Templates to help capture data requirements
  - Data model scorecard
- Advanced Topics
  - Unstructured data
  - UML explained

At the end of this course, you will be able to:

- Explain the importance of data in a business environment
- Explain the concept of data modeling for information system design
- Identify the stakeholders involved in information system design
- Identify different types of data models
- Describe the progression of a data model from conceptual to physical models
- Define data elements
- Define the relationship between data elements
- Define integrity rules between data elements
- Model data to define data requirements
- Used data models as input for interface and database design
- Validate requirements by testing data models

About Moyo

Started in 2007, Moyo combines expertise in Enterprise Architecture, Systems Thinking, Data Analytics and Systems Implementation. It's when all of these come together that we're able to deliver benchmark solutions for a variety of clients across multiple industries.

In the 11 short years that we have been adding value to our client's businesses, Moyo has developed a unique methodology, become the implementation partner of numerous global technology giants and gained expertise in the financial services, utilities and resources sectors. Through it all we have grown our client list, which now includes some of South Africa's JSE Top100 companies. We're proud of our achievements to date, but being a business that helps others keep up with a changing world, we're always learning, growing and bettering ourselves for our clients.

Get In Touch

To register for this course or to get more information, send an email to training@mba.za.com

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