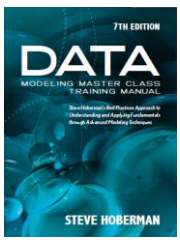
Data Modelling for Certification
Steve Hoberman's Course

Course Duration	4.5 consecutive days, 5 weeks access to practice quizzes
Format	Lecture, Practice quizzes, Exercises and Case studies
Classroom Materials	Data Modelling Masterclass Training Manual 7th Edition by Steve Hoberman, Exercises, Case study, Practice questions
Delivery	CDMP® Master Certified Consultant
Class Size	8 to 20 participants



The **Data Modelling for Certification** is an excellent interactive and complete Data Modelling course prepared by Data Modelling guru, Steve Hoberman (www.stevehoberman.com), which covers all aspects of a Data Modeller's responsibilities, as well as preparing them to confidently take the CDMP Data Modelling & Design Specialist exam. The course explains all aspects of planning, eliciting requirements to align the model with business requirements, preparing and refining Relational and Dimensional models as well as the technology dependent design of physical data models.

This course will enable a candidate with no experience to be able to model competently and will give the experienced data modeller new insight into easily preparing precise models with confidence.

Learning Objectives & Outcomes Mapping (Bloom's Taxonomy)
At the end of the course participants will be able to:

Course Objective	Bloom's Taxonomy Level	Explanation
Answer the CDMP Data Modelling & Design Specialist Exam with confidence	Applying	Demonstrates the ability to use knowledge in a practical, exam-based context.
Explain the benefits of Data Modelling in business and technical contexts.	Understand	Involves comprehension of the value and purpose of data modelling.
Apply the five settings to build the 'right' data model for a given scenario.	Apply	Uses learned techniques to construct appropriate data models.
Use Data Modelling components (entities, attributes, representatives, relationships, subtyping, keys, hierarchies, and networks) appropriately in model construction.	Apply	Demonstrates practical use of modelling components in building models.
Create conceptual, logical, and physical relational and dimensional data models.	Create	Involves synthesizing knowledge to produce structured data models.
Distinguish NoSQL data models from traditional models in terms of structure and approach.	Analyse	Requires identifying differences and relationships between modeling approaches.
Apply Data Modelling best practices using the ten categories of the Data Model Scorecard®.	Apply	Implements best practices in model evaluation and construction.
Evaluate the quality, supportability, and extensibility of data models using Scorecard criteria.	Evaluate	Judges model quality based on established criteria.
Create high-quality data models that incorporate Scorecard principles.	Create	Designs models that meet quality standards and best practices.

Course Outline

Day 1: Introduction and Pre-assessment
Overall Course View, Data Model Completeness and Correctness
Day 2: The Model Scheme, Conceptual, Logical and Physical models, Relational, Dimensional and NoSQL Modelling
Day 3: Data Model Structure, Abstraction, Standards with best Practices, Readability, Definitions
Consistency with the enterprise, the Enterprise Data Model and Data Vault, and Data
Day 4: Practical use case – work in groups to develop conceptual and logical relational and dimensional models for specific business requirements.
Day 5: Review attendees models
Exam preparation for the CDMP® Data Modelling Specialist exam based on Chapter 5 and some aspects of Chapter 4 and 11 of the DMBOK V2
Post-assessment

Benefits of attending the Data Modelling Course

- Stay Compliant: Learn how to build data models that meet business and legal requirements.
- Make Better Decisions: Understand how good data models improve data quality and support smarter choices.
- Clarify Roles: Know who's responsible for data and how teams can work better together.
- Build a Data-Driven Culture: Gain skills to promote data awareness and improve data practices across your organization

Who should attend?

- Any Data Modeller having any level of skills
- Data Architects, Data Engineers, BI Analysts
- Master Data, DQ, DG, AI and Security Specialists
- Enterprise Information Managers who need to understand the modelling process
- Anyone wishing to write the CDMP Data Modelling & Design exam