

## Dimensional Modeling (EN)

### Group Training

Training code	CGADMODCE
Spoken Language	English
Language Materials	English
Dayparts	4
Price	€1.500,00 excl. VAT No extra costs.

### What is Dimensional Modelling

Dimensional Modeling focuses on the principles and techniques essential for effective data design and analysis. Learn to create robust data models that facilitate business intelligence and decision-making processes, in particular through reporting and dashboarding. Covering key concepts like

- Facts
- Dimensions
- OLAP techniques
- Kimball approach
- Slowly Changing Dimensions

This course learns you to translate user requirements into actionable dimensional models, delve into technical implementation aspects, and master effective communication with business users.

Learn how to master Dimensional Modeling with our seasoned trainers. The expertise of our trainers adds a practical dimension to the theoretical concepts, providing real-world insights and best practices. Through hands-on exercises and case studies, participants acquire a deep understanding of the Kimball approach and enhance the ability to create data models tailored for Business Intelligence environments. This training is designed to bridge the gap between theoretical knowledge and practical implementation, ensuring participants are well-equipped to drive meaningful outcomes in their professional roles.

### Who should attend Dimensional Modelling

The training Dimensional Modeling is suitable for:

- Data Analysts: Enhance data modeling skills for BI reporting.
- Report Developers: Provide the right data structure for creating efficient reporting.
- Business Intelligence Developers: Master the Kimball approach for effective reporting.
- Data Engineers: Develop expertise in designing scalable and optimized data models.
- Database Administrators: Implement Dimensional Models in databases.

# academy

- Business Analysts: Understand how data modeling supports strategic decision-making.
- IT Managers: Acquire knowledge to guide data-related projects effectively.
- Software Architects: Incorporate Dimensional Modeling into system design.
- Project Managers: Understand how to translate user requirements into dimensional models.
- Anyone involved in data-driven decision-making processes.

## Prerequisites

Participants should have a foundational understanding of data modeling principles.

## Objectives

After this training, the participant has knowledge of the following topics:

- Master the fundamentals of Dimensional Modeling.
- Understand the importance of facts, dimensions, and hierarchies.
- Learn best practices for schema design in data platforms, e.g. a data warehouse.
- Gain hands-on experience through practical exercises.
- Apply Dimensional Modeling concepts to real-world scenarios.
- Enhance collaboration between business and IT stakeholders.
- Create scalable and adaptable data models.
- Improve decision-making through insightful data analysis.
- Implement best practices for data integrity and consistency.

If a third-party copyright applies to this course, you will find the copyright on <https://academy.capgemini.nl/en/topic/trademarks/>

Capgemini Academy's general terms and conditions are applied to all products and services mentioned within this document. For the latest version please check <https://academy.capgemini.com/>. The rates of products and services mentioned in this document are subject to change. For the most recent rates, please also visit our website.

---

## About Capgemini Academy

Capgemini Academy's professionals offer what people in IT need. Our professionals have a keen eye for motivation, talent and are aware of specific contexts and circumstances. They move people to move. Programmes and courses that originate from daily experience of our both didactical and substantively strong trainers, light a fire within the individual IT professionals. Real life stories of our professionals' experience that tell how to solve problems and work with the people around it, do the rest.

An organization, like ours, helps people and their organizations day by day to get the best out of themselves and each other. We prepare them to defy tomorrow's challenges. We stimulate learning and curiosity. In order for individual IT professionals and their employers, to build better, longer and more intensive relationships. For mutual benefit.

Capgemini Academy. We transform IT professionals  
[academy.capgemini.nl](https://academy.capgemini.nl)

IN/3A-018.18