

# M20768C Developing SQL Data Models

3 Day Course

## OVERVIEW

The focus of this 3-day instructor-led course is on creating managed enterprise BI solutions. It describes how to implement both multidimensional and tabular data models and how to create cubes, dimensions, measures, and measure groups. This course helps you prepare for the Exam 70-768

### Key Features:

- **Introduction to Business Intelligence and Data Modelling**  
Start the course with key BI concepts and the Microsoft BI product suite.
- **Creating Multidimensional Databases**  
Describe how to create a multidimensional database with analysis services.
- **Working with Cubes and Dimensions**  
Learn how to implement dimensions in a cube.
- **Working with Measures and Measure Groups**  
Explore how to implement measures and measure groups in a cube.
- **Introduction to MDX**  
Describe the MDX syntax and how to use MDX.
- **Customizing Cube Functionality**  
Demonstrate how to customize a cube.
- **Implementing a Tabular Data Model by Using Analysis Services**  
Learn how to implement a tabular data model in PowerPivot.
- **Introduction to Data Analysis Expression (DAX)**  
Discover how to use DAX to create measures and calculated columns in a tabular data model.
- **Performing Predictive Analysis with Data Mining**  
Demonstrate how to use data mining for predictive analysis.

## AUDIENCE

Delegates will be database professionals who need to fulfil BI Developer role to create enterprise BI solutions.

Responsibilities will include implementing multidimensional databases by using SQL Server Analysis Services and/or creating tabular semantic data models for analysis by using SQL Server Analysis Services.

## OBJECTIVES

**After completion of this course, delegates should be able to:**

- Describe the components, architecture, and nature of a BI solution
- Create a multidimensional database with Analysis Services
- Implement dimensions in a cube
- Implement measures and measure groups in a cube
- Use MDX syntax
- Customize a cube
- Implement a tabular database
- Use DAX to query a tabular model
- Use data mining for predictive analysis

## PREREQUISITES

In addition to professional experience, delegates should have experience of querying data using Transact-SQL

LEVEL: Advanced

COURSE FEE: £1,595 per person (includes course notes & refreshments)

To make a booking and for all enquiries:

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