



## COURSE: Course 20768C Developing SQL Data Models

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.

### Summary

*Duration:* 3 days/ 24 hours

*Level:* 200\*

*Delivery method:* In class

*Language:* Bulgarian/English

\* The difficulty level is consistent with the widely accepted scale of technical difficulty of training on Microsoft Corp

### AUDIENCE:

- The primary audience for this course are database professionals who need to fulfil BI Developer role to create enterprise BI solutions. Primary responsibilities will include Implementing multidimensional databases by using SQL Server Analysis Services and creating tabular semantic data models for analysis by using SQL Server Analysis Services

### AFTER THE TRAINING ATTENDEES WILL 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

### TOPICS:

**Module 1:** Introduction to Business Intelligence and Data Modeling

**Module 2:** Creating Multidimensional Databases

**Module 3:** Working with Cubes and Dimensions

**Module 4:** Working with Measures and Measure Groups

**Module 5:** Introduction to MDX

**Module 6:** Customizing Cube Functionality

**Module 7:** Implementing a Tabular Data Model by Using Analysis Services

**Module 8:** Introduction to Data Analysis Expression (DAX)

**Module 9:** Performing Predictive Analysis with Data Mining