COURSE: Data Mining Algorithms in SSAS, Excel, R and Azure ML

SQL Master Academy works in close partnership with SolidQ in the field of Business Intelligence trainings, due to which fact we also have in our portfolio a unique programme of professional trainings in the field of Data Quality, Multidimensional Design, SSAS, ETL and SSIS. The courses train BI developers and designers of BI solutions, including back end EIM, as well as front end and reporting.

Summary

Duration:	3 days/ 24 hours
Level:	300*
Delivery method:	In class
Language:	English
Price:	850 EUR excl VAT

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

AUDIENCE:

Attendees should have basic understanding of data analysis, relational data models; knowledge in statistics and mathematics is a very desired to get the maximum results of this training.

DESCRIPTION:

Don't just use data mining and machine learning without understanding how it works. Get the insights in the most popular algorithms. The focus of the training is the theoretical concepts of data mining. The importance for the attendees to fully understand them is the first training goal. The software part is used just for showing the concepts and enriching the concept with examples.

Course format: This workshop contains about 60% theory and demos explained by the Trainer. About 40% of the time attendees perform practical exercise. After every module the group discuss the results of the lab to make sure that the concept and the practical scenarios are well understood.

AFTER THE TRAINING ATTENDEES WILL BE ABLE TO:

- Understand how to work with data
- Prepare useful derived variable, or to smooth values of a variable appropriately, or to discretize them correctly
- Use different tools like SPSS
- Use statistics for data overview
- Prepare different derived variables
- Measure information in variables
- Understand the preparation concepts, the algorithms and their typical usage

TOPICS:

Module 1.   Introduction to data mining and/or machine learning
Module 2.   Understanding the data and the importance of data preparation
Module 3.   Classification, prediction and estimation algorithms
Module 4.   Forecasting and unsupervised algorithms
Module 5.   Data mining practical example
Module 6.   Analyzing texts
Module 7.   Data mining project example: fraud detection

BOOK NOW!

+359 885 113 442; +359 888 818 978
0ffice@inspirit.bg

inspir IT
your way

FUNDAMENTALS

SQL Server Fundamentals courses give you an excellent base for successful career as administrator or data base developer. Their practical purpose, use of scenarios of working practice will help both the beginners, as well as the more experienced students. The courses will assist the students to develop skills to protect in a better way the data of their organizations, to react quicker and adequate to all issues, which are data base related, and to avoid following some harmful myths and wrong concepts in administration and data base development.

- ❖ **MS Windows & AD Administration for DBA's**
- ❖ **Querying SQL Server Fundamentals**
- ❖ **SQL Server Administration Fundamentals**
- ❖ **SQL Server Development Fundamentals**

MASTERING

The trainings of SQL Server Mastering series consist of intensive modules which are comparatively complicated regarding the technical level and which are designed and intended for professionals in the field of SQL Server. Trainings include solid theoretical material, part of which comes directly from the program team, who develops SQL Server in Microsoft also numerous demonstrations from the "workshop" of SQL Server, unpublished tuning techniques for increase of SQL Server performance.

- ❖ **Mastering SQL Server for Database Admins**
- ❖ **Mastering SQL Server for Database Developers**
- ❖ **SQL Server Performance Tuning and Optimization**

DEEP DIVE

Deep Dive Series consists two and three day trainings with technical level 300+ (level 100 – beginners, level 400 – masters). Those courses are focused on specific components of SQL Server. They consist of a significant number of practical advices, a lot of demonstrations, huge theoretical part and also examples of real infrastructural solutions, discussions of real situations which students have in their infrastructures and want to discuss.

- ❖ **SQL Server Enterprise Infrastructure Optimization and Deployment**
- ❖ **SQL Server Upgrade**
- ❖ **SQL Server Replication Deep Dive**
- ❖ **SQL Server High Availability and Disaster Recovery Solutions**

BI

SQL Master Academy works in close partnership with SolidQ in the field of Business Intelligence trainings, due to which fact we have in our portfolio a unique programme of professional trainings in the field of Data Quality, Multidimensional Design, SSAS, ETL and SSIS. The courses train BI developers and designers of BI solutions, including back end EIM, as well as front end and reporting.

- ❖ **Personal Business Intelligence with MS Power BI**
- ❖ **Introduction to MS Business Intelligence**
- ❖ **BI Fundamentals**
- ❖ **Accelerated SQL Server 2012-2016 Integration Services**
- ❖ **Multidimensional Database Design with SSAS 2012-2016**
- ❖ **Data Quality and Master Data Management with SQL Server 2012-2016**
- ❖ **Data Mining Algorithms in SSAS, Excel, R, and Azure ML**

DATABASE DESIGN

The design of relational data base is one important and inseparable part of the solution development. Those are knowledge and skills which every DB Dev or DB Designer should have. A huge part of the problems in production sphere are due to a not good base model or to such, which does not scale well. The courses for design of relational data base we offer in SQL Master Academy, are oriented not only to mastering of the relational model and the good design of the subject filed, but also to the mastering of good practices in modelling of scalable data base.

- ❖ **Relational Database Design Fundamentals**
- ❖ **Relational Database Design for Performance and Scalability**

SQL SERVER 2016

Explore the new version of the fastest performing database system in the market today – SQL Server 2016! Be prepared for InMemory OLTP, the new columnstore extensions and the brand new operational analytics possibilities, which can give your workload 30x-100x performance improvement. See how the Query Store, temporals, the new built-in security features and AlwaysOn groups works. Get all that you need to put your skills and your databases on track.

- ❖ **SQL Server 2016 Get Ready for DBA and DB Devs**
- ❖ **SQL Server 2016 for Business Intelligence Experts**
- ❖ **SQL Server Cloud based Solutions**