DB-EXCEL

Analyzing Data with Excel

Description:

This 2-day instructor led course is intended for anyone responsible for analyzing and reporting data with Microsoft Excel. The course goes beyond the capabilities of tables, Pivot tables, charts and Pivot Charts, the Excel Data Model and DAX language.

Students will be able to:

- Explore and extend a classic Excel dashboard
- Explore and extend an Excel data model
- Pre-format and import a .CSV file
- Import data from a SQL Server database
- Import data from a report
- Create measures using advanced DAX functions
- Create data visualizations in Excel

Course requirements:

- Basic knowledge of the Microsoft Windows operating system
- Basic knowledge of Microsoft Excel
- Working knowledge of relational databases

This course is intended for:

- This course is intended for anyone responsible for analyzing data with Excel. The course will likely be attended by SQL Server report creators who are interested in alternative methods of presenting and analysing data.

Literature:

All participants will receive internal OKsystem materials.

Hardware:

Classrooms are equipped with high-performance computers with Internet access and the possibility of wireless connection.

Syllabus:

Module 1: Data Analysis in Excel

- Lesson 1: Classic Data Analysis with Excel
- Lesson 2: Excel Pivot Tables
- Lesson 3: Limitations of Classic Data Analysis

- Lab: Building a Classic Excel Dashboard

Module 2: The Excel Data Model

- Lesson 1: Using an Excel Data Model
- Lesson 2: DAX
- Lab 2: Explore an Excel Data Model

Module 3: Importing Data from Files

- Lesson 1: Importing Data into Excel
- Lesson 2: Shaping and Transforming Data
- Lesson 3: Loading Data
- Lab 3: Importing Data from a CSV File

Module 4: Importing Data from Databases

- Lesson 1: Available Data Sources
- Lesson 2: Previewing, Shaping, and Transforming Data
- Lesson 3: Table Relationships and Hierarchies
- Lesson 4: Loading Data
- Lab 4: Import Data from Multiple Sources

Module 5: Importing Data from Excel Reports

- Lesson 1: Importing Data from Excel Reports
- Lesson 2: Transforming Excel report Data
- Lab 5: Importing Data from a Report

Module 6: Creating and Formatting Measures

- Lesson 1: DAX
- Lesson 2: Measures
- Lesson 3: Advanced DAX Functions
- Lab 6: Creating Measures using Advanced DAX Functions

Module 7: Visualizing Data in Excel

- Lesson 1: Pivot Charts
- Lesson 2: Cube Functions
- Lesson 3: Charts for Cube Functions
- Lab 7: Data Visualization in Excel

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