



REAL WORLD
TECHNOLOGY TRAINING & SOLUTIONS
"Training You Can Really Use"

20779: Analysing Data with Excel®

Duration: 3 Days

Method: Instructor-Led Training (ILT) | Live Online Training

Course Description

The main purpose of the course is to give participants the ability to add business intelligence (BI) techniques to Excel data analysis. The course goes beyond the capabilities of tables and charts and uses Pivot Charts, the Excel Data Model, and Power BI®.

Target Audience

This course is intended for:

- Persons who wish to add BI techniques to their list of skills.
- SQL Server® report creators who are interested in alternative methods of presenting data.

Prerequisites

To attend this course, candidates must have:

- Basic knowledge of the Microsoft® Windows® operating system and its core functionality.
- Working knowledge of relational databases.
- Extensive knowledge of Excel spreadsheets including formulas, charts, filtering, sorting, and sub-totals.
- Completed the course *10994: Data Analysis Fundamentals using Excel* or have the equivalent knowledge of data analytics.

Course Objectives

Upon successful completion of this course, attendees 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.
- Create a Power BI dashboard with Excel.



Microsoft Partner

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Course Topics

Module 1: Data Analysis in Excel

- Classic Data Analysis with Excel
- Excel Pivot Tables
- Limitations of Classic Data Analysis

Module 2: The Excel Data Model

- Using an Excel Data Model
- DAX

Module 3: Importing Data from Files

- Importing Data into Excel
- Shaping and Transforming Data
- Loading Data

Module 4: Importing Data from Databases

- Available Data Sources
- Previewing, Shaping, and Transforming Data
- Table Relationships and Hierarchies
- Loading Data

Module 5: Importing Data from Excel Reports

- Importing Data from Excel Reports
- Transforming Excel Report Data

Module 6: Creating and Formatting Measures

- DAX
- Measures
- Advanced DAX Functions

Module 7: Visualizing Data in Excel

- Pivot Charts
- Cube Functions
- Charts for Cube Functions

Module 8: Using Excel with Power BI

- Power BI
- Uploading Excel Data to Power BI
- Power BI Mobile App

LABS INCLUDED

