

Microsoft - PowerPivot for End Users

Code:	50433
Length:	2 days
URL:	View Online

This 2-day Instructor-led course shows you how to use PowerPivot to access data sources, create relationships, use the PowerPivot DAX expressions and generate and format reports. You will also explore how PowerPivot workbooks can be integrated with SharePoint 2010.

Skills Gained

- Explore every aspect of using Microsoft PowerPivot

Who Can Benefit

Advanced Excel users, users that want to gain familiarity with PowerPivot to build compelling reports.

Prerequisites

- General Excel and Report building skills

Course Details

Outline

Module 1: Overview

A simple introduction module.

Lessons

- None

Lab 1: None

- None

After completing this module, students will be able to:

- Understand your course, classroom, classmates, facility and instructor.

Module 2: PowerPivot Introduction

In this module we take a look at an introductory view of PowerPivot.

Lessons

- Excel 2010 Features
- PowerPivot Introduction

Lab 1: Installing PowerPivot

- Install PowerPivot for Excel

After completing this module, students will be able to:

- Install PowerPivot for Excel
- Be able to navigate the PowerPivot windows
- Understand the new features of Excel 2010

Module 3: PowerPivot Data Sources

In this module we take a look at all the possible data sources of which PowerPivot can work with!

Lessons

- Supported Data Sources

Lab 1: Loading Data Sources

- Load Data From SQL Server
- Load Data From Text Files
- Load Data via Copy and Paste
- Load Data via Data Feeds
- Load Data via Reporting Services

Lab 2: Cleaning Data

- Cleaning data in PowerPivot

Lab 3: Creating Relationships

- Create Relationship between Data Sources

After completing this module, students will be able to:

- Import various data sources into PowerPivot
- Understand how to clean imported data

Module 4: PowerPivot Functions

In this module we take a look at PowerPivot Functions/DAX Expressions and how to use them!

Lessons

- PowerPivot Expressions

Lab 1: Create a Time Table

- Create a Time Table for future labs

Lab 2: Using DATE Functions

- Use DATE Function

- Use DATEVALUE Function
- Use the DAY, MONTH, YEAR, HOUR, MINUTE, SECOND Functions
- Use EDATE Function
- Use EOMONTH Function
- Use NOW and TODAY Functions
- Use TIME and TIMEVALUE Functions
- Use WEEKDAY and WEEKNUM Functions

Lab 3: Using TIME INTELLIGENCE Functions

- Use FIRST* and LAST* Functions
- Use DATE* Functions
- Use STARTOF* and ENDOF* Functions
- Use CLOSING* and OPENING* Functions
- Use LASTOF* and FIRST* Functions
- Use PREVIOUS* and NEXT* Functions

Lab 4: Using STATISTICAL Functions

- Use AVERAGE* Functions
- Use COUNT* Functions
- Use MAX* and MIN* Functions

Lab 5: Using FILTER Functions

- Use ALL, ALLEXCEPT and ALLNOBLANKROW
- Use CALCULATE, CALCULATETABLE
- Use DISTINCT and VALUES
- Use EARLIER and EARLIEST
- Use FILTER
- Use RELATED

Lab 6: Using LOGICAL and INFORMATION Functions

- Use Logical Functions (AND, FALSE, IF, IFERROR, NOT, OR, TRUE)
- Use Information Functions (ISBLANK, ISERROR, ISLOGICAL, ISNONTEXT, ISNUMBER, ISTEXT)

Lab 7: Using TEXT Functions

- Use TEXT Functions

After completing this module, students will be able to:

- Be able to describe all the new PowerPivot Expressions
- Use and apply many of the PowerPivot Expressions

Module 5: Building Reports using PowerPivot

In this module we take a look at building reports using PowerPivot.

Lessons

- PowerPivot Reports

Lab 1: Creating Reports

- Use PivotCharts
- Use Slicers
- Use Sparklines

After completing this module, students will be able to:

- Describe the different Report types in PowerPivot
- Be able to create Slicers and Sparklines for more engaging reports

Module 6: PowerPivot for SharePoint 2010

In this module we take a look at PowerPivot for SharePoint 2010.

Lessons

- Reports and Email
- PowerPivot for SharePoint 2010

Lab 1: Installing PowerPivot for SharePoint 2010

- Install PowerPivot for SharePoint 2010
- Configure PowerPivot for SharePoint

Lab 2: Configuring PowerPivot For SharePoint 2010

- Publish to SharePoint 2010
- Configure PowerPivot for SharePoint 2010

After completing this module, students will be able to:

- Describe the integration points between PowerPivot and SharePoint 2010
- Be able to publish and setup workbook data refresh in SharePoint 2010