

PowerPivot for End Users

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