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Analyzing and Visualizing Data with Power BI

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∨ Start Here

> Welcome to the Course ✓

> Set up the Lab Environment ✓

> DataSet Examples Usage ✓

> Pre-course survey
Survey

⌄ 0. Introduction

⌄ What is Power BI

Meet the Presenters

Introduction ✓

Overview of Power BI ✓

Connecting to Software as Services ✓

Power BI Community ✓

Summary ✓

⌄ 1. Power BI Desktop Data Transformations

⌄ Transforming Data using Power BI Desktop Quiz

Introduction to Power BI Desktop ✓

Changing Locale ✓

Connecting to a Database ✓

Basic Transformations

Managing Query Groups ✓

Splitting Columns ✓

Changing Data Types ✓

Working with Dates ✓

Removing and Reordering Columns ✓

Conditional Columns ✓

Connecting to Files in a Folder ✓

Merge Queries

Query Dependency View

Transforming Less Structured Data

Enter Data

Query Parameters

Summary

Knowledge Checks

⌄ Lab 1
Lab

Lab Overview

Exercise 1- Import Data from Access Database

Exercise 2- Import Data from a Folder Containing CSV Files

Exercise 3- Import a Less Structured Data from an Excel File

⌄ 2. Power BI Desktop Modelling

⌄ Data Modelling in Power BI Desktop
Quiz

Introduction

Managing Data Relationships

Creating Calculated Columns

Optimizing Models for Reporting

Creating Calculated Measures

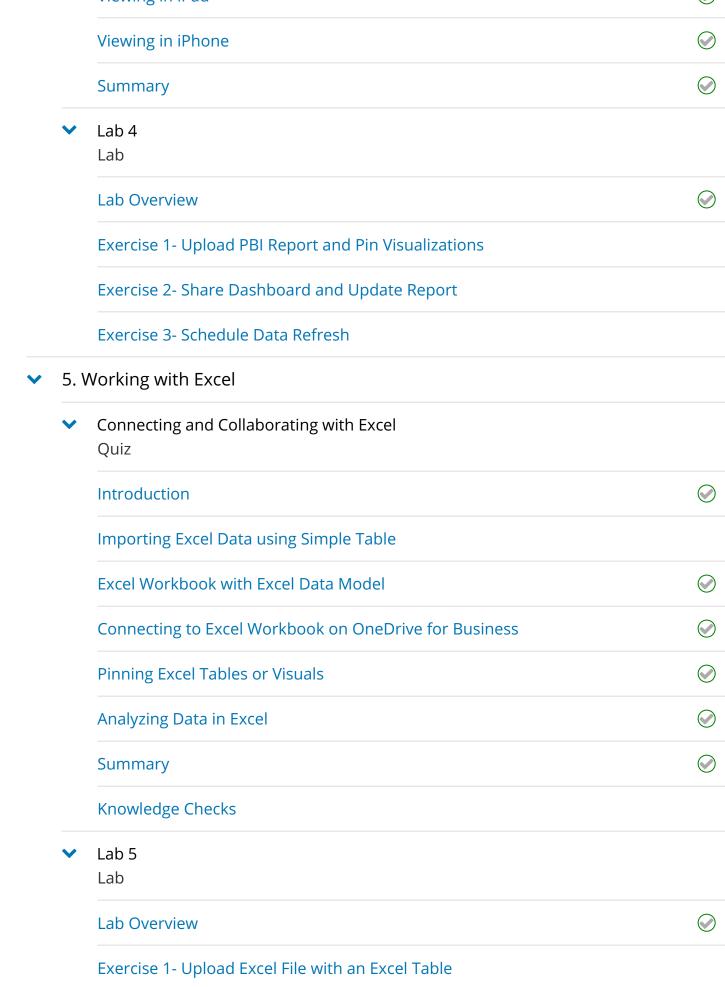Creating and Managing Hierarchies

Using Calculated Tables

Time Intelligence   ✓

Manually Typing in a Data Table   ✓

Include Exclude   ✓

Grouping Binning   ✓

Summary   ✓

Knowledge Checks

⌄   Lab 2
     Lab

Lab Overview

Exercise 1- Manage Table Relationships

Exercise 2- Last Year Comparison

Exercise 3- Year to Date

Exercise 4- Market Share

Exercise 5- Optimize the Data Model   ✓

⌄   3. Power BI Desktop Visualization

⌄   Visualizing Your Data
        Quiz

Introduction   ✓

Pie and Treemap

Hierarchical Axis and Concatenating   ✓

Filter (Including TopN)   ✓

Bar Chart with Line   ✓

Analytics Pane

Clustering (and Machine Learning)

Slicer

Focus Mode and See Data

Date Slicer

Map and Filled Map

ESRI Map

Table and Matrix

Table Styles

Scatter Chart

Waterfall

Gauge, Card, and KPI

Coloring Charts

Shapes, Textboxes, and Images

Gridlines and Snap to Grid

Knowledge Checks

Working with Multiple Visualizations
Quiz

Page Layout and Formatting

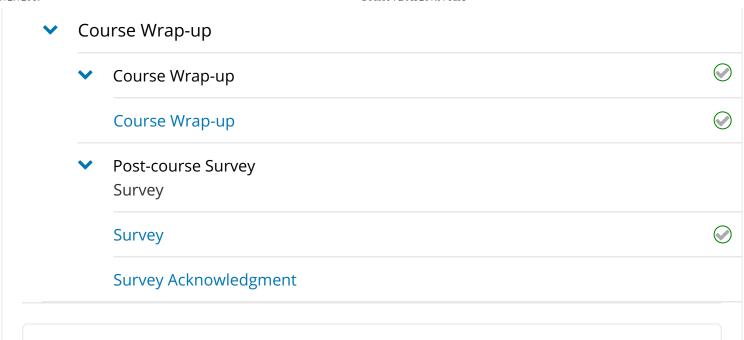Visual Relationship

Duplicate Page

Categories with No Data

Default Summarization and Categorization ✓

Positioning, Aligning, and Sorting Visuals ✓

Custom Hierarchies ✓

R - Visual Integration ✓

Summary ✓

Knowledge Checks

∨ Lab 3
Lab

Lab Overview ✓

Exercise 1- Cross-Tabular Report

Exercise 2- Part-to-Whole Report

Exercise 3- Relationship Report

Exercise 4- Trend Report

Exercise 5- Rank Report

∨ 4. Power BI Service

∨ Working with Power BI Service
Quiz

Introduction ✓

Overview of Dashboards and Service ✓

Uploading to Power BI Service ✓

Quick Insights ✓

Configuring a Dashboard ✓

Adding Textbox, Image Widgets ✓

Featured and Favorite Dashboard

Filtering Dashboard

Dashboard Settings

Natural Language Queries

Featured Questions

Sharing a Dashboard

In-Focus Mode

Pinning a Live Page

Custom URL and Title

TV Mode and Collapse Navigation

Printing Dashboard and Exporting Data

Export to CSV and Excel

Power BI Notifications

Alerts in the Power BI Service

Personal Gateway

Publishing to Web

Admin Portal

Knowledge Checks

Viewing Power BI Dashboard

Viewing in Windows App

Viewing in Android App

Viewing in iPad

Viewing in iPad ✓

Viewing in iPhone ✓

Summary ✓

⌄ Lab 4
Lab

Lab Overview ✓

Exercise 1- Upload PBI Report and Pin Visualizations

Exercise 2- Share Dashboard and Update Report

Exercise 3- Schedule Data Refresh

⌄ 5. Working with Excel

⌄ Connecting and Collaborating with Excel
Quiz

Introduction ✓

Importing Excel Data using Simple Table

Excel Workbook with Excel Data Model ✓

Connecting to Excel Workbook on OneDrive for Business ✓

Pinning Excel Tables or Visuals ✓

Analyzing Data in Excel ✓

Summary ✓

Knowledge Checks

⌄ Lab 5
Lab

Lab Overview ✓

Exercise 1- Upload Excel File with an Excel Table

Exercise 2- Upload an Excel File with a Data Model

6. Direct Connectivity

Direct Connectivity
Quiz

Introduction   ✓

Direct Connectivity to SQL Azure   ✓

Direct Connectivity to SQL Database   ✓

Direct Connectivity to SSAS

Using SSAS Connector   ✓

SSAS Multi Dimensional Preview   ✓

SAP HANA   ✓

Summary   ✓

Knowledge Checks

Lab 7
Lab

Lab Overview   ✓

Exercise 1- Direct Connectivity From Power BI Desktop

Exercise 2- Direct Connectivity From Power BI Service

7. Developer API

Developer API
Quiz

Introduction

Interactive API Console   ✓

Registering a Client App and Embedding a Tile

Integrating a Tile to Your App ✓

Using PubNub to Push Data to a Tile ✓

Creating Custom Visuals ✓

Using Custom Visuals ✓

Power BI Embedded

Summary ✓

Knowledge Checks

⌄ Lab 8
Lab

Lab Overview ✓

Exercise- Use Custom Visuals

⌄ 8. Mobile App

⌄ Mobile App

Introduction

Report Gallery and Search ✓

Mobile Dashboard Layout ✓

Sharing and Annotating in Power BI Mobile ✓

Taking Your Mobile Content Offline ✓

Platform Specific Features ✓

Search and Recent ✓

Limiting Access to Mobile + MAM ✓

∨   Course Wrap-up

    ∨   Course Wrap-up   ✓

       Course Wrap-up   ✓

    ∨   Post-course Survey
        Survey

       Survey   ✓

       Survey Acknowledgment

Goal: Complete the course   ✏️

Course Tools

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Important Course Dates

Today is Sep 29, 2019 14:34 CDT

Verification Upgrade Deadline
in 1 day - Sep 30, 2019