Microsoft Power BI – Intermediate Course Outline

Course Overview

In this course, participants will work in Power BI Desktop to connect to data sets, create visualizations, and publish reports. They will deepen and expand the knowledge they gained in the *Intro to Power BI Desktop* course in data transformation and modelling, utilizing DAX functions, and data models.

In this course, participants will:

- Create and use date tables with DAX.
- Create dedicated tables for measures.
- Create more complex visualizations than the *Intro* course, including visualizations not covered in the *Intro* course, and visuals that display KPIs and YOY data.
- Add interactivity to reports using buttons and actions, bookmarks, and views.
- Create multiple-page reports that use page navigation and actions.
- Create and use hierarchies in visualizations.
- Set up and use drill through in reports.
- Learn about different and more complex DAX functions than the *Intro* course, including using DAX as a programming language. Participants will learn basic programming concepts such as declaring variables, nesting functions, and utilizing measures in a DAX function.
- Use the Query Editor to perform more complex data transformation and modelling than in the *Intro* course.
- Be introduced to the Power Query M language and use it to transform data by adjusting existing and creating new query steps.
- Work with complex database data models including exploring various join types.
- Explore fixes and workarounds for issues in complex models, both directly in the model and by using DAX functions.

Course Prerequisites

Course participants should have taken the *Intro to Power BI Desktop* course or equivalent. They need to be comfortable with essential Power BI Desktop skills such as connecting to datasets, creating and formatting visualizations, creating custom columns, creating measures, using basic DAX functions, and performing basic data modelling with the Query Editor.