## **Course duration**

• 2 days

## **Course Benefits**

- Navigate the Power View interface.
- Utilize Power View reports.
- Work with tables.
- Understand aggregations.
- Utilize matrix.
- Configure drill through.
- Use cards as a visualization.
- Apply filters.
- Create charts.
- Utilize tiles.
- Add slicers to reports.
- Utilize themes.
- Navigate the PowerPivot interface.
- Load data.
- Examine and configure relationships.
- Configure calculated columns are calculated fields.
- Create PivotTables.
- Understand and utilize DAX.
- Use KPIs.
- Work with hierarchies.
- Manage perspectives.
- Navigate the Power Query interface.
- Load data.
- Filter data.
- Merge datasets.
- Manage modifications.
- Perform data cleaning.
- Navigate the Power Map interface.
- Use Bing maps.
- Examine map data.
- Configure tours, scenes, and layers.
- Add time to a presentation.
- Navigate the Power BI interface.
- Utilize data sources.
- Understand querying with natural language.

## **Course Outline**

- 1. Power View
  - 1. Exploring the Power View Interface
  - 2. Visualizing Power View Reports
  - 3. Working with Tables
  - 4. Understanding Aggregations
  - 5. Utilizing Matrix
  - 6. Configuring Drill Through
  - 7. Using Cards
  - 8. Applying Filters
  - 9. Creating Charts
  - 10. Examining Tiles
  - 11. Adding Slicers to Reports
  - 12. Theming Reports
  - 13. Lab: The Business Intelligence Stack
    - 1. Power View Interface
    - 2. Working with Tables
    - 3. Aggregations
    - 4. Matrix
    - 5. Drill Through
    - 6. Cards
    - 7. Filters
    - 8. Charts
    - 9. Tiles
    - 10. Adding Slicers to Reports
- 2. PowerPivot
  - 1. Exploring the PowerPivot Interface
  - 2. Loading Data
  - 3. Examining Relationships
  - 4. Configuring Calculated Columns and Calculated Fields
  - 5. Creating PivotTables
  - 6. Understanding DAX
  - 7. Utilizing DAX Functions
  - 8. Using KPIs
  - 9. Working with Hierarchies
  - 10. Managing Perspectives
  - 11. Lab: PowerPivot
    - 1. Introduction to the PowerPivot Interface
    - 2. Importing Data
    - 3. Importing Large Datasets
    - 4. Importing Data with a Query
    - 5. Creating Relationships
    - 6. Creating a Cascading Relationship
    - 7. Hiding Columns, Change Data Type, Sorting, and Filtering
    - 8. Calculated Columns and Calculated Fields
    - 9. KPIs

- 10. Hierarchies
- 11. Perspectives
- 3. Power Query
  - 1. Exploring The Power Query Interface
  - 2. Loading Data
  - 3. Managing Modifications
  - 4. Examining Data Cleaning
  - 5. Lab: Power Query
    - 1. Getting External Data
    - 2. Data Filtering
    - 3. Merging Datasets
- 4. Power Map
  - 1. Exploring The Power Map Interface
  - 2. Using Bing Maps
  - 3. Examining Map Data
  - 4. Reviewing Map Types and Presentation
  - 5. Lab: Power Map
    - 1. View Power Map in Action
    - 2. Geocoding
    - 3. Tours, Scenes, and Layers
    - 4. Adding Time
- 5. Introduction to Power BI
  - 1. Introducing Power BI
  - 2. Explaining Excel and Power BI
  - 3. Examining Data Sources
  - 4. Querying with Natural Language
  - 5. Lab: Introduction to Power BI
    - 1. Introduction to Power BI
    - 2. Data Sources

## **Class Materials**

Each student will receive a comprehensive set of materials, including course notes and all the class examples.

**Class Prerequisites** 

Experience in the following is required for this Power Platform class:

• Working knowledge of Excel