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