

## **Day 1 - Power BI (Beginner) - 100 minutes**

- ☐ Introduction
- ☐ Data Analytics
- ☐ Accessing Exercise Files
- ☐ Reviewing Exercise File Data
- ☐ Getting Data from Multiple Sources
- ☐ Getting Data from Excel
- ☐ Saving
- ☐ Touring Report View
- ☐ Touring Data View
- ☐ Touring Model View
- ☐ Starting New Instances of Power BI Desktop
- ☐ Splash Screen
- ☐ Getting Data from Access Database
- ☐ Selecting Related Tables
- ☐ Viewing Table Relationships and Settings
- ☐ Accessing a Web URL
- ☐ Getting Data from the Web
- ☐ Web Authentication and Loading Tables
- ☐ Exploring Web Data Inconsistencies
- ☐ Optimizing Performance with Excel Files
- ☐ Optimizing Performance with Power Pivot Data Model
- ☐ Connecting to Underlying PivotTable Data
- ☐ Importing from Power Pivot Data Model
- ☐ Resolving Data Load Error
- ☐ Resolving Data Path Error
- ☐ Resolving Refresh Error
- ☐ Exploring Power View Visualization Error
- ☐ Implications of Locally Stored vs Cloud Based Excel Files
- ☐ Locally Stored Excel Files
- ☐ Refreshing In-Desktop and In-Service
- ☐ Cloud-Based Excel Files
- ☐ Publishing Cloud-Based Files to the Service and Refreshing
- ☐ Conclusion

## **Day 2 - Power BI (Intermediate) - 65 minutes**

- ☐ Introduction
- ☐ Data Shaping - Renaming Tables
- ☐ Data Shaping - Promoting the First Row
- ☐ Data Shaping - Duplicating Column Replace Values
- ☐ Data Shaping - Removing Columns
- ☐ Data Shaping - Filtering, Sorting, and Applying Changes
- ☐ Introduction to Enhancing Data Structure
- ☐ Enhancing Data Structure - Join Types Merge Queries
- ☐ Data Profiling Recap
- ☐ Introduction to Designing a Data Model
- ☐ Working with Tables
- ☐ Fact vs Dimension
- ☐ Breaking Down Tables
- ☐ Creating Hierarchy
- ☐ Relationships aka Cardinality
- ☐ Creating Relationships
- ☐ Reviewing the Model Interface
- ☐ Creating RLS Roles in Desktop
- ☐ Assigning Users to RLS Roles in Service
- ☐ Conclusion

## **Day 3 - Power BI (Advanced) - 90 minutes**

- ☐ Introduction
- ☐ Creating Calculated Tables
- ☐ Creating Calculated Columns - DATEDIFF
- ☐ Creating Calculated Columns - RANKX Highest
- ☐ Creating Calculated Columns - RANKX Lowest
- ☐ Creating Calculated Columns - RANKX Dense
- ☐ Creating Quick Measures
- ☐ Creating Measures
- ☐ Creating Date Tables
- ☐ Time Intelligence Functions
- ☐ Key Performance Indicators
- ☐ Additional Key Performance Indicators
- ☐ DAX Recap
- ☐ Introduction to Optimizing Model Performance
- ☐ Publishing Dataset to Service
- ☐ Using DirectQuery on Power BI Dataset
- ☐ DirectQuery vs Import File Size Comparison
- ☐ Importance of Variables
- ☐ Building a Measure to Use in a Measure
- ☐ Building a Measure with Variables and Comments
- ☐ Adding Measures to Multi-Row Card
- ☐ Other Optimization Techniques
- ☐ Conclusion

## **Day 4 - Power BI (Expert) - 140 minutes**

- ☐ Introduction
- ☐ Creating Reports with Pie Chart
- ☐ Adding Tooltips to Reports
- ☐ Formatting Reports with Pie Charts
- ☐ Filtering and Sorting Reports
- ☐ Sync Slicers
- ☐ Creating Drill Through Pages
- ☐ Creating Source Reports with Slicers
- ☐ Using Drill Through
- ☐ Formatting Drill Through Pages
- ☐ Formatting Two Objects at Once
- ☐ Conditional Formatting
- ☐ Bookmarks
- ☐ Accessibility Features
- ☐ Accessibility - Alt Text-Data Table-Focus View
- ☐ Accessibility - Tab Order
- ☐ Accessibility - Colorblind Friendly Theme
- ☐ Adding the Histogram Visualization
- ☐ Creating Histograms
- ☐ Copy Visual
- ☐ Reports Recap
- ☐ Introduction to Creating Dashboards
- ☐ Creating Dashboards - Editing Published Reports and Pinning to a New Dashboard
- ☐ Introduction to Real-Time Dashboards
- ☐ Creating Forms for Pushing Data
- ☐ Creating Push Datasets
- ☐ Creating Reports for Real-Time Dashboards
- ☐ Creating Dashboards for Streaming Data
- ☐ Accessing Power Automate
- ☐ Creating a Flow to Push Form Data into Dataset
- ☐ Respond to Survey
- ☐ Viewing Real-Time Dashboards
- ☐ Enhancing Dashboards with Custom Themes
- ☐ Enhancing Dashboards with Videos
- ☐ Configuring Dashboard Tile Alerts
- ☐ Using Q and A and Quick Insights and Add to Dashboard

- ☐ More Dashboard Features
- ☐ Conclusion

## **Day 5 - Power BI (Master) - 90 minutes**

- ☐ Introduction
- ☐ Loading Sample Data and Making Workspace Premium
- ☐ Downloading Report Builder and Creating Paginated Reports
- ☐ Sorting Reports in Design View
- ☐ Adding Report Headers and Making Them Repeat Across Pages
- ☐ Making Column Headers Repeat Across Pages and Publishing Reports
- ☐ Reviewing Paginated Reports - Print Preview and Export Options
- ☐ Paginated Reports Recap
- ☐ Introduction to Performing Advanced Analytics
- ☐ Accessing a Sample Desktop File from the Service
- ☐ Advanced Analytics - Grouping
- ☐ Advanced Analytics - Binning
- ☐ Advanced Analytics - Drill Down and Up
- ☐ Advanced Analytics - Analyze Feature
- ☐ Data Insights Through AI Visuals
- ☐ Creating Animated Scatter Charts
- ☐ Using Visuals to Forecast Values
- ☐ Creating Custom Analytics Visuals
- ☐ Conclusion

## **Day 6 - Power BI (Professional) - 35 minutes**

- ☐ Introduction
- ☐ Sharing Dashboards
- ☐ Revoking Sharing Privileges
- ☐ Sharing Reports
- ☐ Copying Reports to Other Workspaces and Workspace Roles
- ☐ Creating and Publishing Apps
- ☐ Managing Workspaces Recap
- ☐ Introduction to Managing Datasets
- ☐ Creating Parameters
- ☐ Editing Parameters in the Service and Refreshing Datasets and Visuals
- ☐ Refresh Options
- ☐ Managing Datasets Recap
- ☐ Conclusion