



Advanced Microsoft Power BI

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Course Objectives:

- Understand Data Profiling in Power Query
- Learn how to create a Fuzzy Match
- Understand the difference between *Duplicate* and *Reference* Queries
- Learn the differences between relationship types.
- Explore advanced DAX Functions
- Learn how to synchronize Filters and Slicers
- Create a Key Influencer visual
- Learn how to apply Row Level security
- Analyze the performance of your report elements
- Examine best practices for Power Query, Data Modelling & Reports.
- Learn how to optimize the components of Power BI for enhanced performance

*Power BI Desktop lets you create a collection of queries, data connections, and reports that can easily be shared with others. This hands-on course focuses on the Advanced features of Power BI in the context of **Power Queries, Data Modelling and creating Reports**. This course is for those who are familiar with most features of Power BI but want to take it to the next level!*

NOTE: Due to the frequency of updates to this product, this outline is subject to change.

Course Content:

Power Query	Understand Column profile, distribution, and quality Convert a data dump into a Data Model Perform a Fuzzy Match Duplicate versus Reference queries Utilize query parameters Debug errors
Data Modelling	What is Star Schema? Understand relationship types Advanced DAX Functions – CALCULATE; COELSCE Compute visual totals accurately
Reports	Filter/Slicer Synchronization Cross Filter Use the Analytics pane Create a Key Influencer visual & other new visuals Analyze Visual Data Set up Row Level Security
Optimization	Performance Analyzer Query Diagnostics Optimize the Data Model; Optimize Visualization techniques Power BI Best Practices