Advanced Data Modeling and Shaping with Power BI

Prerequisites:

DIAD training or equivalent working experience

Course Description:

This one-day course will cover using Power BI Desktop to import and shape data from a variety of sources. It will also walk through Power BI capabilities you can use to enhance the data model for your business users. The course covers key aspects of how to create a great data model to meet your business needs, various features in Power BI used to enhance data models so you can build great reports, and an introduction to DAX to create calculations.

After completing this training, the attendees should be able to import data from a variety of data sources into Power BI, shape the data, create the data model, and write DAX functions to the Power BI model.

	Subject
	Introductions and Overview
Module 1	Getting and shaping the Data
Lab 01	Getting the data
Module 2	Basic Data Modeling
Lab 02	Creating Dimensions, Fact and Shaping the data
Module 3	Getting started with M (Power Query Language)
Lab 03	Creating Relationships
Module 4	Understanding Logic Operators
Module 5	Introduction to DAX
Lab 05	Creating Columns and Measures
Module 6	Working with functions - DAX CALCULATE Function and more
Lab 6	Working with Functions
Module 7	Modeling with Power BI & DAX best practice Data Modeling, Optimization techniques
Lab 7	Performance optimization and using CALCULATE function
Module 8	Summary, Survey & Questions