

Microsoft® Power BI® Advanced



Length: 2.5 Days / 5 Half Days

Overview: This course is designed to provide instruction in the advanced features of Power BI. The students will learn techniques for creating advanced dashboards, creating templates, adding in security layers, using DAX to enhance analysis, parameters, and sharing their dashboards. This course will give the students a detailed knowledge of the advanced features available in Power BI.

Objectives:

- Advanced Dashboard Design
- DAX formulas
- Dynamic Parameters
- Row-level Security
- Templates
- Sharing Dashboards

Review of Power BI

DAX Functions

- Calculated Columns
- Measures
- Aggregate Functions
- Logical Functions
- Time Functions

Dynamic Parameters

- Parameters for Dynamic Titles
- Parameters as filters
- Parameters in Dynamic Measures

Advanced Dashboard Formatting

- Custom Themes
- Backgrounds, shapes, and borders
- Conditional Formatting
- Buttons, Navigation, Drilldowns

Data Shaping

- Combining Data
- Pivoting & Unpivoting Data

Creating Relationships

- Creating Relationships
- Relationship Formulas
- Hierarchies
- Date Tables

Row-Level Security

- Implementing Security
- Creating Roles
- Dynamic Security

Templates

- Creating Templates
- Sharing Templates

Sharing your Dashboards

- Embedding dashboards internally and externally
- Publishing
- Power BI Apps
- Subscriptions

Storytelling with Data

- Impactful Insights
- Color Selection
- Data to Ink Ratio

Capstone

continued

Prerequisites

- Power BI Intermediate
- Laptop or PC desktop with Dual screens
- Power BI Desktop application
- Power BI organization access for publishing

Materials

- All students will receive slides with lecture material and data.
- Related data and lab files will be provided

Other Power BI courses available: Power BI Beginner and Power BI Intermediate