

Power BI DAX Super User

Having collected your data and done the basics in the *Power BI Data Analysis Course*, you now need to analyze with DAX. **DAX** (Data Analysis Expression) is the language to use with Power BI to calculate and get the results you require to the people who make the decisions within your organization.

With the skills gained in this course, you will be able to apply data communications concepts, terminology, and technologies in a professional setting and build and interactive visuals that can show trends, future forecasts and deep analysis is sure to get the results you need at a time you need them.

You must have completed the Power BI Data Analysis Course or that you have equivalent courses or practical experience before registering for this course. You **MUST** be a user of Power BI before enrolling in this course. Having problem solving skills and the ability to do complex calculations will be required as well as this course requires being able to analyze large amounts of data.

Students must have taken the **Power BI Data Analysis** course as a prerequisite before taking this one.

**** You must have Power BI Desktop installed before taking this course.**

Course Outline:

1. Power BI Essentials

- Data Connector Library
- Configuring Data Source Settings
- Understanding the PQE
- Rolling Calendar
- Combining Queries
- Building Hierarchies
- DAX Shortcut Keys
- Dedicated Measures Table

2. Data Prepping with the PQE

- Data Profiling Tools
- Grouping & Aggregating Data
- Pivoting Tables
- PQE Parameters
- Rolling Calendar

3. Calculating with DAX Functions

- Calculated Columns vs Measures
- Best Practices for DAX
- Conditional & Logical Functions
- IS Functions
- Date & Time Functions
- Conversion Functions
- Math & Stats Functions

- Text Functions
- Infamous Calculate Functions
- Iterator Functions
- Time Intelligence
- Table & Filter Functions

4. Visualizing Your Data Results

- Living in the Matrix
- Trends & Forecasting
- Geo Sync your Data with Maps
- Key Metrics with KPI Visuals
- Report Filtering Options
- Designing for Smart Phones
- Interactive Reports

5. Dashboard & Final Touches

- Creating Objects
- Slicers & Filters
- Custom Navigation
- Managing Roles