

Power BI Course Syllabus

100% Practical Classes

Module 1: Power BI Desktop & Power Query

- Getting Started
- Class Introduction (BI Basics)
- Class Introduction (Power BI Desktop Overview)
- Data Discovery with Power BI Desktop
- Transforming Data (Basic Transforms)
- Transforming Data (Add Column From Example)
- Transforming Data (Appending Queries)
- Transforming Data (Merging Queries)
- Transforming Data (Combine Files)
- Transforming Data (Other Query Features)
- Introduction to Modeling Data
- Creating the Data Model (Modeling Basics)
- Creating Calculated Columns and Tables (DAX Basics)
- Creating Calculated Columns and Tables (Navigation Function)
- Creating Calculated Columns and Tables (Calculated Tables)
- Creating Calculated Measures (Measure Basics)
- Creating Calculated Measures (Time Intelligence Functions)

Module 2: Power BI Service & Visualizations & Power BI Mobile

- Introduction to Visualizing Data
- Creating Basic Reports with the Power BI Desktop
- Creating Interactive Reports (Adding Slicers for Filters)
- Creating Interactive Reports (Visualizing Tabular Data)
- Creating Interactive Reports (Visualizing Categorical Data)
- Creating Interactive Reports (Visualizing Data Trends)
- Creating Interactive Reports (Visualizing Categorical and Trend Data Together)
- Creating Interactive Reports (Visualizing Geographical Data with Maps)
- Creating Interactive Reports (Visualizing Goal Tracking)
- Creating Interactive Reports (Using Custom Visuals)

- Creating Interactive Reports (Digital Storytelling)
- Creating Interactive Reports (Other Features)
- Using the Power BI Service (Deploying to the Power BI Service)
- Using the Power BI Service (Creating and Sharing Dashboards)
- Using the Power BI Service (Using Power BI Q&A)
- Using the Power BI Service (Excel Integration)
- Refreshing the Data (Refreshing Data Overview)
- Refreshing the Data (Installing the Data Gateway)
- Refreshing the Data (Scheduling a Data Refresh)
- Mobile BI (Power BI Mobile Overview)
- Mobile BI (Designing Reports and Dashboards for Mobile)
- Mobile BI (Interacting with the Power BI Mobile App)

Module 3: Get Data

- Excel
- CSV
- Sql Server
- SSAS Multidimensional
- SSAS Tabular

Module 4: Basic DAX

- Getting Started
- Data Modeling Basics (Overview)
- Data Modeling Basics (Tabular)
- What is DAX (Overview)
- What is DAX (Tabular)
- Creating Calculated Columns (Basics)
- Creating Calculated Columns (Basics Continued)
- Conditional and Logical Functions
- Creating Calculated Measures
- Time Intelligence (Overview)
- Time Intelligence (Time Intelligence Functions)
- Table Functions
- DAX as a Query Language

Module 5:Advanced DAX

- Class Introduction (Class Files)
- Class Introduction (Why Advanced DAX)
- Working with Filter Context (CALCULATE)
- Working with Filter Context (FILTER)
- Working with Filter Context (FILTER and ALL)
- Working with Filter Context (ALLEXCEPT)
- CALCULATE and Time Intelligence (YTD and MTD)
- Security (Implementing Basic Security)
- Security (Implementing Basic Security – Tabular)
- Advanced DAX Function (CONTAINS)
- Advanced DAX Function (FIND)
- Advanced DAX Function (SEARCH and SUBSTITUTE)
- Advanced DAX Function (ALLSELECTED)