

Power BI

POWER BI INTERMEDIATE OUTLINE

Duration: 3 Days

Overview

This course is designed for students who are new to Power BI or who have limited experience with the software. Students will learn the fundamentals of the tool and how to apply basic functionality to build and share dashboards of data visualizations using their data. Students will connect to various data sources, shape and combine data, work with reports, and create and share useable dashboards. This course is taught workshop-style -- hands-on with valuable tools to take directly back to current projects.

Outline

- Power BI Overview
- Power BI Use Cases
 - Power BI Service
 - Sharing
 - Apps
 - Licensing
 - Dashboards
 - Reports
 - Datasets
 - Workbooks
 - Excel
 - Data refresh
 - Collaboration
 - Notifications
 - Application Integrations
- Power BI Desktop
 - Connections
 - Modeling
 - Visualization
 - DAX
 - Version control
 - Using Query Editor
 - Aggregation
 - Manipulating Data
- Power BI Premium
 - Licensing
 - Capacity Planning
- Power Bi Embedded
 - Licensing
 - Capacity Planning
 - Row Level Security



- Multi Tenant
- Azure AD Security
- Embed
 - Reports
 - Tiles
 - Dashboards
 - Q&A
 - Application Registration
- REST API
- Data Architecture/ETL
 - Building Relationships
 - Connect and transform data sets
 - Work with unstructured datasets
 - Storage and connectivity
 - Data Types
 - Structured
 - Unstructured
 - Schema Overview
 - Working with Query Editor
 - Merging tables together
 - Appending tables
 - Data type transformations
 - Group rows
 - Create custom columns
 - SQL
 - Queries
 - Stored Procedures
 - Relationships
 - Data Types
 - Security
- Gateways
 - Deployment
 - Management
 - Use cases
- Custom Visuals
 - Market place visuals
 - How to use and deploy
 - D3
 - Implementation and building
- Administration
 - Auditing
 - Service Health
 - User Management
 - Capacity management
 - Workspace management
- Data Visualization
 - Data Analysis
 - Visual Selection
 - Understanding Audience
 - Story telling

- Color selection
- Report Management
 - Version control
 - File Sharing/Collaboration
 - Report CI/CD
 - Understanding datasets
- Dashboards
 - Building templated dashboards
 - Deploying to the organization
 - Customization
- Apps
 - Build and deploy to organization
 - Version control
 - Collaboration
- Security
 - Row Level Security
 - Dynamic role based access
 - Constructing role based filters
 - Security Groups
 - Workspace Security
 - Report/Dashboard security
- Custom Tooltips
 - Building
 - Managing
 - Color and Visualization selection
- DAX
 - Understanding structure
 - Using variables
 - Nested functions
 - Use cases
 - Custom Measures
 - Custom Columns

Class Requirements

None