Section 1

Unit 1

Overview

- Power BI Components

- Install Power BI Desktop (free software)

- Getting started

Unit 2

Connect with Data Sources

- Types of data sources

- Import Excel and text files

- Connect to databases (Access)

- Import data from the Web

Unit 3

Transform Data

- Introduction to Power Query

- Shape data

- Filter data

- Understand the Data Model

Unit 4

Creating Reports

- Overview
- Create visuals
- Format reports
- Share your files

Section 2

Unit 1

Power Query

- Review the ETL Process
- Insert columns using different methods
- Group, Summarize, Pivot, and UnPivot data
- Merge and Append queries

Unit 2

Data Modeling

- What Data Modeling is
- Modeling Options

- Create and manage relationships

- Create Date table

Unit 3

DAX

- Introduction to DAX

- Calculate columns and measures

- Time Intelligence functions

- Quick Measures

Unit 4

Reports

- Filters versus Slicers

- Visual Hierarchies and Drill downs

- Drillthrough

- Define visual interactions

- Apply conditional formatting

Section 3

Unit 1

Power Query

- Utilize Column profile, distribution, and quality
- Perform fuzzy match
- Duplicate versus Reference queries
- Debug errors

Unit 2

Data Modeling

- What a Star Schema is
- Understand relationship types
- Manage relationships

Unit 3

DAX

- Understand contexts

- CALCULATE function
- COALESCE function
- Compute visual totals accurately

Unit 4

Reports

- Insert Objects
- Create Bookmarks