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Learning Style: Virtual Classroom

Technology: Microsoft

Difficulty: Intermediate

Course Duration: 1 Day

Develop dynamic reports with Microsoft Power BI (DP-605T00)



About This Course:

Develop Dynamic Reports with Microsoft Power BI course is designed to empower participants with the skills and knowledge to create dynamic, interactive reports using Microsoft Power BI, one of the leading data visualization tools in the industry. It's aimed at data professionals, business analysts, and any individuals interested in leveraging Power BI to transform raw data into compelling visual stories.

Course Objectives:

- Data Source Identification and Connection
- Optimizing Data Retrieval
- Data Cleaning and Transformation
- Advanced Data Handling
- Semantic Model Design in Power BI
- Implementing Measures in Power BI Models
- Creating Calculated Tables and Columns
- Power BI Report Design
- Configuring Power BI Report Filters
- Managing Workspaces and Semantic Models in Power BI

Audience:

- Data Analyst

Prerequisites:

- Completion of the Get started with Microsoft data analyticsis recommended.

Course Outline:

- Get data from files
- Get data from relational data sources
- Create dynamic reports with parameters
- Get data from a NoSQL database
- Get data from online services
- Select a storage mode
- Get data from Azure Analysis Services
- Fix performance issues
- Resolve data import errors
- Shape the initial data
- Simplify the data structure
- Evaluate and change column data types
- Combine multiple tables into a single table
- Profile data in Power BI
- Use Advanced Editor to modify M code
- Work with tables
- Create a date table
- Work with dimensions
- Define data granularity
- Work with relationships and cardinality
- Resolve modeling challenges
- Create simple measures
- Create compound measures
- Create quick measures
- Compare calculated columns with measures

- Create calculated columns
- Learn about row context
- Choose a technique to add a column
- Design the analytical report layout
- Design visually appealing reports
- Report objects
- Select report visuals
- Select report visuals to suit the report layout
- Format and configure visualizations
- Work with key performance indicators
- Introduction to designing reports for filtering
- Apply filters to the report structure
- Apply filters with slicers
- Design reports with advanced filtering techniques
- Consumption-time filtering
- Select report filter techniques
- Distribute a report or dashboard
- Monitor usage and performance
- Recommend a development life cycle strategy
- Troubleshoot data by viewing its lineage
- Configure data protection
- Use a Power BI gateway to connect to on-premises data sources
- Configure a semantic model scheduled refresh
- Configure incremental refresh settings
- Manage and promote semantic models
- Troubleshoot service connectivity

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