

Develop Dynamics Reports with Microsoft Power BI (DP-605)

Overview

Take this 1-day Microsoft Power BI course, Develop dynamic reports with Microsoft Power BI (DP-605), and learn to harness the power of Power BI to transform and load data, define semantic model relationships and calculations, create interactive visuals, and distribute reports seamlessly.

Course Objectives

- Gain proficiency in retrieving data from diverse sources.
- Learn advanced techniques for cleaning and transforming data.
- Master the art of semantic modeling for optimized report performance.
- Enhance report visualization skills for effective data communication.
- Acquire expertise in report filtering and workspace management for streamlined report distribution.

Duration

1 Day

Prerequisites

Basic understanding of Data Analytics and Power BI.

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Course Topics

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| <p>Module 1</p> | <p>Get Data in Power BI Course Information</p> <ul style="list-style-type: none"> • 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 • Exercise - Prepare Data in Power BI Desktop |
| <p>Module 2</p> | <p>Clean, Transform, and Load Data in Power BI</p> <ul style="list-style-type: none"> • 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 • Exercise - Load Data in Power BI Desktop |
| <p>Module 3</p> | <p>Design a Semantic Model in Power BI</p> <ul style="list-style-type: none"> • Create a Date Table • Work with Dimensions • Define Data Granularity • Work with Relationships and Cardinality • Resolve Modeling Challenges • Exercise - Model Data in Power BI Desktop |
| <p>Module 4</p> | <p>Add Measures to Power BI Desktop Models</p> <ul style="list-style-type: none"> • Create Simple Measures • Create Compound Measures • Create Quick Measures • Compare Calculated Columns with Measures • Exercise - Create DAX Calculations in Power BI Desktop |

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| <p>Module 5</p> | <p>Add Calculated Tables and Columns to Power BI Desktop Models</p> <ul style="list-style-type: none"> • Create Calculated Columns • Learn about Row Context • Choose a Technique to Add a Column |
| <p>Module 6</p> | <p>Design Power BI Reports</p> <ul style="list-style-type: none"> • 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 • Exercise - Design a Report in Power BI Desktop |
| <p>Module 7</p> | <p>Configure Power BI Report Filters</p> <ul style="list-style-type: none"> • 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 • Case Study - Configure Report Filters Based on Feedback |
| <p>Module 8</p> | <p>Create and Manage Workspaces in Power BI</p> <ul style="list-style-type: none"> • Distribute a Report or Dashboard • Monitor Usage and Performance • Recommend a Development Life Cycle Strategy • Troubleshoot Data by Viewing Its Lineage • Configure Data Protection |
| <p>Module 9</p> | <p>Manage Semantic Models in Power BI</p> <ul style="list-style-type: none"> • 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 • Boost Performance with Query Caching (Premium) |