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**Why to prepare with us?**

-official Microsoft curriculum

-theory mixed with practice

-officially recommended question by [MeasureUp](https://global4.mindhub.com/pl-300-microsoft-power-bi-data-analyst-microsoft-official-practice-test/p/MU-PL-300)



**Course outline**

**Module 1: Get Started with Microsoft Data Analytics**

This module explores the different roles in the data space, outlines the important roles and responsibilities of a Data Analysts, and then explores the landscape of the Power BI portfolio.

**Lessons**

* Data Analytics and Microsoft
* Getting Started with Power BI

After completing this module, students will be able to:

* Explore the different roles in data
* Identify the tasks that are performed by a data analyst
* Describe the Power BI landscape of products and services
* Use the Power BI service

**Module 2: Getting Data in Power BI**

This module explores identifying and retrieving data from various data sources. You will also learn the options for connectivity and data storage and understand the difference and performance implications of connecting directly to data vs. importing it.

**Lessons**

* Data Analytics and Microsoft
* Optimize Performance
* Resolve Data Errors

After completing this module, students will be able to:

* Identify and retrieve data from different data sources
* Understand the connection methods and their performance implications
* Use Microsoft Dataverse
* Connect to a data flow

**Module 3: Cleaning, Transforming, and Loading Data in Power BI**

This module teaches you the process of profiling and understanding the condition of the data. They will learn how to identify anomalies, look at the size and shape of their data, and perform the proper data cleaning and transforming steps to prepare the data for loading into the model.

**Lessons**

* Shaping the Data
* Profiling the Data
* Enhance the data structure

After completing this module, students will be able to:

* Apply data shape transformations
* Enhance the structure of the data
* Profile and examine the data

**Module 4: Design a Data Model in Power BI**

This module teaches the fundamental concepts of designing and developing a data model for proper performance and scalability. This module will also help you understand and tackle many of the common data modeling issues, including relationships, security, and performance.

**Lessons**

* Introduction to data modeling
* Working with tables
* Dimensions and Hierarchies

After completing this module, students will be able to:

* Understand the basics of data modeling
* Define relationships and their cardinality
* Implement Dimensions and Hierarchies

**Module 5: Create Model Calculations using DAX in Power BI**

This module introduces you to the world of DAX and its true power for enhancing a model. You will learn about aggregations and the concepts of Measures, calculated columns and tables, and Time Intelligence functions to solve calculation and data analysis problems.

**Lessons**

* Introduction to DAX
* Real-time dashboards
* Advanced DAX

After completing this module, students will be able to:

* Understand DAX
* Use DAX for simple formulas and expressions
* Create calculated tables and measures
* Build simple measures
* Work with Time Intelligence and Key Performance Indicators

**Module 6: Optimize Model Performance in Power BI**

In this module you are introduced to steps, processes, concepts, and data modeling best practices necessary to optimize a data model for enterprise-level performance.

**Lessons**

* Optimize the data model for performance
* Optimize DirectQuery Models

After completing this module, students will be able to:

* Understand the importance of variables
* Enhance the data model
* Optimize the storage model

**Module 7: Create Reports in Power BI**

This module introduces you to the fundamental concepts and principles of designing and building a report, including selecting the correct visuals, designing a page layout, and applying basic but critical functionality. The important topic of designing for accessibility is also covered.

**Lessons**

* Design a report
* Enhance the report

After completing this module, students will be able to:

* Design a report page layout
* Select and add effective visualizations
* Add basic report functionality
* Add report navigation and interactions

**Module 8: Create Dashboards in Power BI**

In this module you will learn how to tell a compelling story through the use of dashboards and the different navigation tools available to provide navigation. You will be introduced to features and functionality and how to enhance dashboards for usability and insights.

**Lessons**

* Create a Dashboard
* Real-time Dashboards
* Enhance a Dashboard

After completing this module, students will be able to:

* Create a Dashboard
* Understand real-time Dashboards
* Enhance Dashboard usability

**Module 9: Identify Patterns and Trends in Power BI**

This module helps you apply additional features to enhance the report for analytical insights in the data, equipping you with the steps to use the report for actual data analysis. You will also perform advanced analytics using AI visuals on the report for even deeper and meaningful data insights.

**Lessons**

* Advanced Analytics
* Data Insights through AI visuals

After completing this module, students will be able to:

* Use the Analyze feature
* Identify outliers in data
* Use the AI visuals
* Use the Advanced Analytics custom visual

**Module 10: Create and Manage Workspaces in Power BI**

This module will introduce you to Workspaces, including how to create and manage them. You will also learn how to share content, including reports and dashboards, and then learn how to distribute an App.

**Lessons**

* Creating Workspaces
* Sharing and Managing Assets

After completing this module, students will be able to:

* Create and manage a workspace
* Understand workspace collaboration
* Monitor workspace usage and performance
* Distribute an App

**Module 11: Manage Files and Datasets in Power BI**

This module will introduce you to parameters and datasets. You will also learn how to manage datasets and parameters, build dynamic reports with parameters, and set dataset refresh options.

**Lessons**

* Parameters
* Datasets

After completing this module, students will be able to:

* Manage datasets and parameters
* Build dynamic reports with parameters
* Schedule dataset refresh
* Troubleshoot gateway service connectivity

**Module 12: Row-level Security in Power BI**

This module will introduce you to row-level security, both static and dynamic methods, and how to implement.

**Lessons**

* Security in Power BI

After completing this module, students will be able to:

* Implement row-level security using both the Static and Dynamic methods

**Contact:**

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