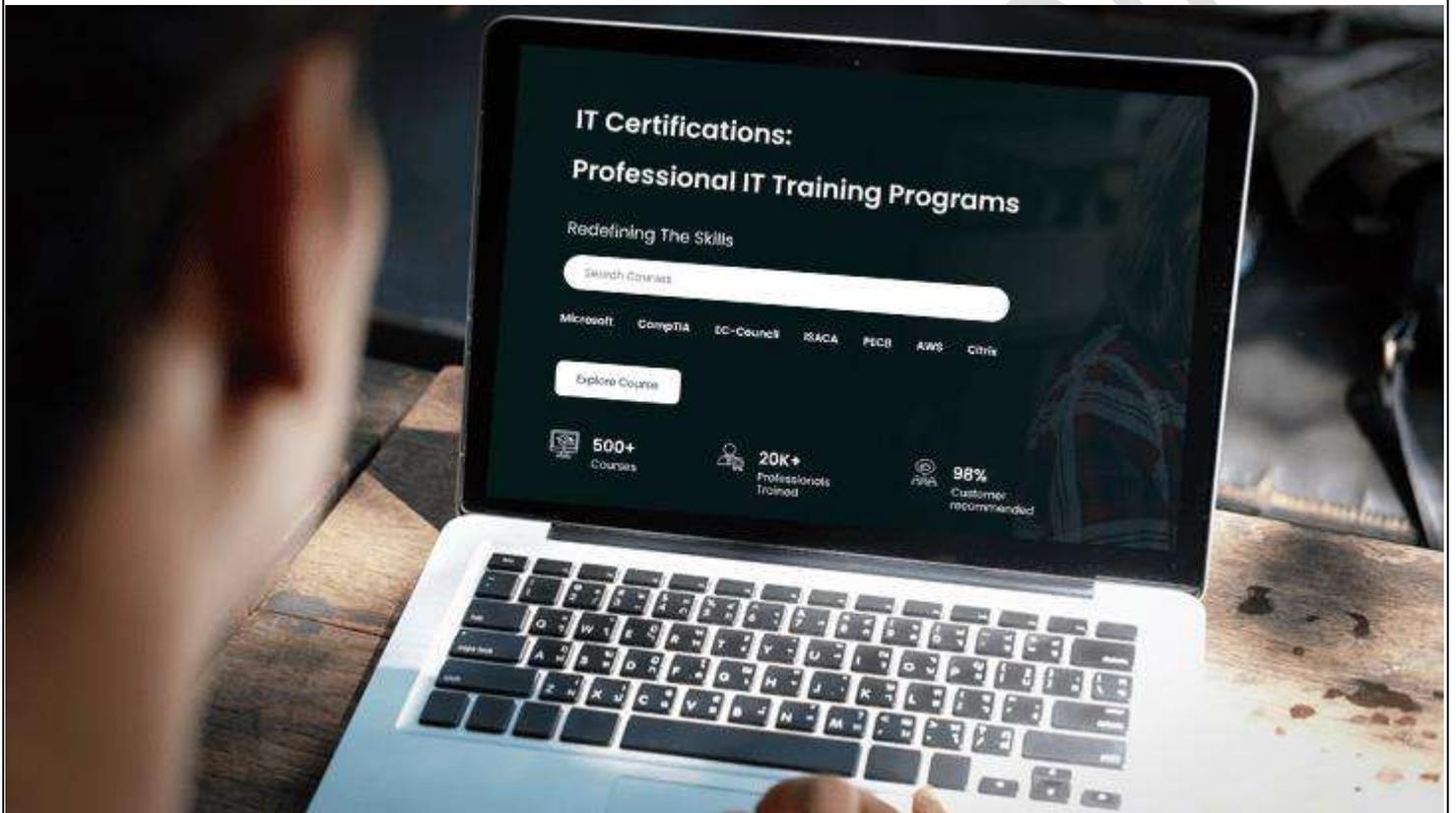# PL-300T00: POWER BI DATA ANALYST TRAINING

Duration: 3 Days

Course Description

This PL-300 Microsoft Power BI Data Analyst training course will help you learn the diverse methods and most promising practices in line with technical and business requirements for analyzing, modeling, and visualizing data with Microsoft Power BI.

This training also helps you understand how to process and access data from data sources such as relational and non-relational data.

This Data Analyst training course also helps you understand how to implement policies and security standards across the Microsoft Power BI range, including groups and datasets.

Candidates will also learn to deploy and manage dashboards and reports for content distribution and sharing.

Finally, this training also discusses creating paginated reports within the Microsoft Power BI service and publicizing them to a workspace for inclusion within Microsoft Power BI.

Training Exclusives

- Live instructor-led interactive sessions with Microsoft Certified Trainers (MCT).
- Access to Microsoft Official Courseware (MOC).
- Hands-on exercises / practical labs
- Experience 24*7 Learner Support.
- Self-paced learning and flexible schedules.

Who should attend this course?

Job roles that can take up Microsoft Power BI Data Analyst certification training include, but are not limited to:

- Business Intelligence Professionals
- Data analysts
- IT Managers
- Professionals who use Power BI
- Data Scientists
- Professionals Managing Data for Decision-making
- Individuals who want to gain a clear understanding of the Microsoft Power BI Tool
- Professionals who want to clear the Microsoft Power BI Data Analyst PL-300 examination

What you will learn

- Clean, Ingest and Transform Data
- Modeling data for scalability and performance
- Plan and design reports for data analysis
- Implement and execute advance report analytics
- Share and manage report assets
- Create paginated reports in Power BI

Prerequisites

Required

- Knowledge of core concepts of data
- Knowledge of relational data working in the cloud
- Knowledge of non-relational data working in the cloud
- Understanding of visualization and analysis concepts

Recommended

- DP-900T00 Microsoft Azure Data Fundamentals Training

Curriculum

Learning Path 1: Get started with Microsoft data analytics

Module 1: Discover data analysis

- Different data roles
- Data analyst tasks

Module 2: Get started building with Power BI

- Data analytics with Microsoft
- Building blocks of Power BI
- Compelling visuals and reports
- Demo: Get started with Microsoft data analytic

Learning Path 2: Prepare data in Power BI Desktop

Module 1: Get data in Power BI

- Retrieve data from various data sources
- Select storage mode
- Resolve import errors
- Demo: Get data in Power BI Desktop
- Lab: Prepare data in Power BI Desktop

Module 2: Clean, transform, and load data in Power BI

- Resolve inconsistencies and data quality issues
- Profile data for better insights
- Apply data shape transformations
- Demo: Clean, transform, and load data in Power BI
- Lab: Load data in Power BI Desktop

Learning Path 3: Model data with Power BI Desktop

Module 1: Design a data model in Power BI

- Data types
- Star schema
- Create relationships
- Edit relationships
- Create hierarchies
- Demo: Design a data model in Power BI
- Lab: Design a data model in Power BI Desktop

Module 2: Introduction to DAX

- What is DAX
- Calculated measures, columns, and tables
- Demo: Create measures using DAX in Power BI
- Lab: Create DAX calculations in Power BI Desktop

Module 3: Advanced DAX concepts

- Filter context
- Semi-additive measures
- Time intelligence functions
- Lab: Advanced DAX calculations in Power BI Desktop

Module 4: Optimize DAX performance

- Variables in DAX expressions
- Performance analyzer
- Demo: Optimize model performance in Power BI Desktop

Learning Path 4: Build Power BI visuals and reports

Module 1: Work with visuals

- Add visuals to report
- Choose effective visuals
- Format and configure visuals

Module 2: Report layout and interactions

- Design appealing report layout
- Cross-highlight and drill down
- Demo: Create reports in Power BI Desktop
- Lab: Design a report in Power BI Desktop

Module 3: Navigation and filtering

- Navigate and sort report
- Filters and slicer visual

Module 4: Report design elements

- Add shapes, buttons, text, images
- Bookmarks and drill through
- Selection order (accessibility)
- When to use paginated reports
- Lab: Enhance a report in Power BI Desktop

Module 5: Perform Advanced Analytics with Power BI Desktop

Module 1: Explore insights with Advanced Analytics

- Data comparison with Analyze feature.
- Group and bin data.
- Cluster data and find outliers with Scatter chart visual.
- Key Performance Indicator visual.
- What-if parameters for scenario planning.

Module 2: Leverage AI visuals

- AI insights during data preparation.
- Use key influencers and decomposition tree visuals.
- DEMO: Perform data analysis in Power BI Desktop
- Lab: Perform data analysis in Power BI

Learning Path 5: Manage workspaces and datasets in Power BI

Module 1: Power BI workspaces

- Create and manage workspaces
- Interact with workspace items
- Demo: Create and manage workspaces in Power BI service

Module 2: Distribute and manage content

- Create apps for distribution
- Refresh, protect, and endorse datasets
- Review Usage Metrics report
- Power BI service licensing
- Demo: Manage files and datasets in Power BI service

Module 3: Dashboards in Power BI service

- Create and use dashboards
- Demo: Create a dashboard in Power BI service
- Lab: Create a Power BI dashboard

Module 4: Row-Level Security overview

- Enforce row-level security
- Demo: DEMO
- Lab: Enforce row-level security in Power BI

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