

Data Analysis Using Power BI Desktop Training - Level 1 Training

Microsoft Authorized Training · Applied Technology Academy

Power BI is a powerful business intelligence tool from Microsoft that transforms messy, raw data into beautiful, interactive dashboards and reports. It helps businesses see and understand their data without needing complex coding or advanced math skills. It acts like an incredibly advanced version of Microsoft Excel charts, designed to handle massive amounts of data from different places simultaneously.

LEVEL Beginner	DURATION 2 Days	EXPERIENCE 0 year: Reporting & Data Base Concepts	AVERAGE SALARY \$109,029	LABS Yes
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Course Overview

This is the first course in the Data Analysis using Power BI Desktop series. This course lays the foundation for Power BI Report Builders. Report Builders will learn everything they need to create highly effective stand-alone and multi-page narrative reports using data sources that are created using Power BI Desktop. This course covers the use of both the Power BI Desktop application as well as the Power BI Service.

Course Outline

- **Module 1: Introducing Power BI**
 - What Is Power BI for the Cloud
 - Power BI Key Features
 - Self-Service BI Model
 - Power BI Components
- **Module 2: Defining a Report**
 - What is a Power BI Report?
 - Defining a Report
 - Data-Driven Storytelling
- **Module 3: Building Power BI Desktop Reports**
 - Understanding the Design Interface
 - Creating Reports
 - Report Visualizations
 - Formatting Visualizations

- Report Final Touches
- **Module 4: Report Filtering**
 - Highlighting, Drill-down & Data Actions
 - Visual Interactions
 - Visual Sorting and Slicers
 - Visual, Report, & Page Filters
- **Module 5: Understanding Power BI Data Models**
 - Understanding Data Terminology
 - Understanding Tables
 - Understanding Relationships
 - Diagnosing Data Models
 - Data Model Schemas
- **Module 6: Gathering Report Data**
 - Data Queries vs Data Models
 - Viewing & Refreshing a Data Source
 - Modifying Report Data
- **Module 7: Data Model Functions**
 - Creating Calculated Columns
 - What is DAX?
 - Basic DAX Functions
 - Date Hierarchies
- **Module 8: Introducing the Power BI Service**
 - Power BI Service Interface
 - Connecting to Data Sources
 - Uploading & Updating PBIX Reports
 - Refreshing Power BI Data
 - Power BI Service Report Interface Components
- **Module 9: Building Power BI Service Dashboards**
 - Dashboard Interface Components
 - Building Dashboards
 - Organizing Dashboard Elements
- **Module 10: Using Q & A (Cortana)**
 - Understanding Q & A
 - Modifying Q & A Results
 - Pinning Q & A results to a Dashboard
- **Module 11: Sharing Reports & Dashboards**

- Sharing Content
- Managing Power BI Content
- Using App Workspaces
- Content Packs and Apps
- **Module 12: Appendix A: Power BI Roles and Security**
 - Power BI Roles

Intended Audience

General understanding of reporting requirements and a basic understanding of data base concepts is useful, but not required.

Prerequisites

Basic experience with Microsoft Office, Microsoft Excel, and using Web Browsers. General understanding of basic database concepts is useful, but not required.

Follow-On Courses

Microsoft Power Platform App Maker (PL-100)

Ready to enroll? Call 800.674.3550 or email Info@AppliedTechAc.com — private team cohorts, GSA MAS purchasing, military credentialing funding, VA GI Bill and VR&E and student financing available.