Applied Power BI Service Course Details

Power BI Service (or Power BI 2.0) is a cloud-based business analytics service that gives you a single view of your most critical business data. Monitor the health of your business using a live dashboard, create rich interactive reports with Power BI Desktop and access your data on the go with native Power BI Mobile apps. It's easy, fast, and free. 5 seconds to sign up, 5 minutes to wow!

Syllabus

This two-day class is designed to help you become proficient with the new could-based Power BI. Information Workers will learn how to connect to popular cloud services to derive instant insights, create interactive reports and dashboards, and view them in the browser and on the go! Data Analysts will discover how to integrate and transform data from virtually everywhere and then implement sophisticated self-service models. No prior data modeling or reporting knowledge is assumed. Students are welcome to bring their own data to the second day of the class.

Attend this class onsite and get a free paper copy of the book "Applied Microsoft Power BI" by Teo Lachev! Supplementing what you've learned in the class, this book will help you to unleash the full power of Power BI—a cloud-hosted, business intelligence and analytics platform that democratizes and opens BI to everyone, making it free to get started!

Module 1: Introducing Power BI

Understanding Microsoft Data Analytics Platform
Understanding Power BI components and capabilities
Understanding the Power BI interface
Lab 1: Creating datasets
Understanding reports
Lab 2: Creating reports
Understanding dashboards
Lab 3: Creating dashboards

Module 2: Working with Data

Understanding design options
Understanding data models
Data connectivity to services and on-premises data
Understanding queries
Lab 1: Importing data

Understanding Query Editor
Transforming data
Lab 2: Transforming and shaping data

Module 3: Enhancing Data Models

Understanding column data types
Changing metadata
Lab 1: Working with columns
Understanding table relationships
Understanding relationship cardinality and filtering
Lab 2: Working with relationships

Module 4: Creating Reports

Understanding Report View
Understanding Tabular visualizations
Understanding Chart and Gauge visualizations
Understanding Map Visualizations
Lab 1: Creating reports
Understanding interactive features
Understanding filtering and slicers
Lab 2: Filtering and interactivity

Module 5: Implementing Calculations

Understanding Data Analysis Expressions (DAX)
Understanding row and filter context
Understanding calculated columns
Lab 1: Implementing calculated columns
Understanding measures
Understanding measure functions
Lab 2: Implementing measures

Module 6: Sharing and Collaboration

Understanding Power BI Service features
Deploying data models
Viewing and editing reports
Creating dashboards
Viewing content on mobile devices
Lab 1: Creating online reports and dashboards
Sharing dashboards

Workspaces and groups
Content packs
Scheduling data refresh
Lab 2: Sharing content

(Optional) Module 7: Implementing Excel Data Models

Create data models with Power Pivot
Importing and shaping data with Power Query
Lab 1: Importing and transforming data
Creating pivot reports
Creating Power View reports
Creating Power Map reports
Lab 2: Analyzing data

Audience

Business users
Data analysts
BI developers

Prerequisites

Experience navigating the Microsoft Windows environment
Experience with Microsoft Excel pivot reports and formulas is preferable

Hardware and software requirements

Windows 7 or above OS
Power BI Free or Power BI Pro (recommended) subscription
Power BI Desktop
AdventureWorksDW database
Detailed software setup instructions will be sent before the event.

Instructor

Teo Lachev is a consultant, author, and mentor, with a focus on Microsoft Business Intelligence. Through his Atlanta-based company "Prologika", a Microsoft Gold Partner in Data Analytics, he designs and implements innovative solutions that unlock the power of data and bring tremendous value to his customers, ranging from small companies to Fortune 50 organizations. Teo has authored and co-authored several SQL Server BI books and he has been leading the Atlanta Microsoft Business Intelligence group since he founded it in 2010. Microsoft has recognized Teo's expertise and contributions to the technical community by awarding him the prestigious Microsoft Most Valuable Professional (MVP) award since 2004.