

Applied MS BI Visualization Tools Course Details



Reporting is an essential feature of every business intelligence solution. One way to extract and disseminate the wealth of information is to author Reporting Services standard “paginated” reports that end users can review and print. Starting with SQL Server 2016, BI developers can also create reports that are optimized for mobile devices. And when interactive data exploration is preferred, end user can use Excel, Power View, or Power BI to create their own reports.

Syllabus

This two-day class is designed to help you learn the visualization tools that are included in the Microsoft Data Analytics Platform. We'll start by exploring the Excel reporting capabilities that include pivot (PivotTable and PivotChart) and Power View reports. Then, you'll learn how to explore data interactively with Power BI Desktop. During the second day of the class, we'll focus on learning how to create paginated reports with Reporting Services. The class can be customized to discuss other tools, such as SSRS mobile reports or Power Map reports.

Module 1: Introducing Microsoft Visualization Tools

- Understanding Microsoft Data Analytics Platform
- Understanding Organizational and Self-service BI
- Introducing Visualization Tools
- Comparing Tool Capabilities

Module 2: Excel Reporting

- Understanding PivotTable reports
- Configuring PivotTable reports
- Lab 1: Creating PivotTable reports
- Understanding PivotChart reports
- Configuring PivotChart reports
- Lab 2: Creating PivotChart reports
- Creating dashboards
- Lab 3: Implementing dashboards

Module 3: Power View and Power BI Desktop

Understanding Power View

Configuring Power View reports

Lab 1: Implementing Power View reports

Understanding Power BI Desktop

Understanding visualizations

Lab 2: Creating Power BI Desktop reports

Understanding interactive features

Understanding filtering and slicers

Lab 3: Filtering and interactivity

Module 4: Designing SSRS Tabular Reports

Introducing Reporting Services

Understanding SSRS report items

Understanding data access

Understanding Tablix

Lab 1: Designing tabular reports

Understanding crosstab reports

Lab 2: Designing crosstab reports

Understanding freeform reports

Lab 3: Designing freeform reports

Understanding interactive features

Lab 3: Implementing drillthrough reports

Module 5: Designing SSRS Chart Reports

Understanding chart reports

Understanding the Chart data region

Lab 1: Designing chart reports

Understanding the Gauge data region

Lab 2: Designing Gauge reports

(Optional) Module 6: SSRS Mobile Reports

Understanding mobile reports

Introduced the SSRS Mobile Publisher

Understanding report items

Lab 1: Creating basic mobile reports

Understanding shared datasets

Lab 2: Working with shared datasets

Audience

Business users
Data analysts
BI developers

Prerequisites

Experience with Microsoft Excel
Basic report authoring experience with Reporting Services

Hardware and software requirements

Windows 7 or above OS
Excel 2013 or above
Power BI Desktop
AdventureWorks databases
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.