Microsoft

Business Analytics with Power BI

Workshop

Target Audience:
This course is designed for business analysts and IT developers focused on Business Intelligence, that want to start using Power BI to monitor their business data in order to make informed decisions.

The course does not have any pre-requirements, but it will challenge the trainee, so, do not expect only the typical guided training.

Overview

The Business Analytics with Power BI workshop, provides attendees with deep knowledge of the latest Microsoft business analyst tool: Power BI Desktop and also the accompanying service that allows publishing, consumption and sharing of business content. Through presentations, white-board discussions, and guided, but also, challenging labs, this 2-day workshop covers the topics required for the participant to master Power BI.

Key Features and Benefits

In-depth understanding of the data wrangling, transformation and modeling options available in Power BI as well as understanding of the several visualization possibilities and their typical real-world applications.

Technical Highlights

After completing this course, you will be able to:

- Understand how to use Power BI Desktop to connect to your operational data sources, transform them to meet your business requirements and produce data models others can leverage to monitor the business;
- Develop highly-visual and highly-interactive reports and dashboards for general consumption inside your company;
- Understand all of the features that the SaaS Power BI offering has and how they can be leveraged to boost your decision-making.

Syllabus

Hardware Requirements:

Workshop uses a virtual environment. Host machines should provide at least 4GB and 2 fast cores to the virtual machine.

This workshop runs for two full days. Students should anticipate consistent start and end times for each day. Early departure on any day is not recommended.

The course starts with Power BI Desktop content:

Module 1: Connecting to Data: This module introduces the query view and the connection to the several different data sources supported.

Module 2: Shaping Data: In this module, you will be presented with the several different options available to transform data.

Module 3: Creating a Data Model: In this model you will learn the different modelling capabilities like relationships, measures, hierarchies and others.

Module 4: Building Reports: This module covers the several different visualizations supported as well as typical best-practices for using them.

Module 5: Publishing to the Cloud: This module explains the process of publishing the developed model and accompanying reports in to the service.

Then we shift to the Power BI service:

Module 6: Get Data: In this module you'll understand the data connection capabilities that exist in the service.

Module 7: Pinning and Navigation: This module introduces dashboard build and navigation.

Module 8: Keeping My Data Current: This module explains how data is kept current and the different scenarios like cloud data sources, hybrid and direct query.

Module 9: Q&A and Quick Insights: This module introduces the natural language query capability as well as quick insights.

Module 10: Sharing: In this module you will learn the several different sharing options in the service.

Module 11: Connect From Excel: This module explains how to use Excel to connect directly to models stored in Power BI cloud service.

Module 12: Mobile Reports: This module introduces the mobile applications and explains the several different capabilities.

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