

Activate Business Analytics with Power BI

Activate

Duration: 4 days

Focus Area: Data and AI

Level: 200 to 300

In today's business environment, the competitive advantage goes to organizations that can turn data into insightful decisions, quickly.

With growing volumes of data stored in disparate repositories, finding the relevant information and presenting it in a way that's easy to understand, using repeatable processes, is both a significant challenge and

a source of competitive advantage. We can help you achieving that objective.

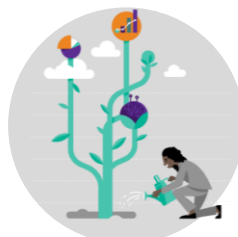
Activate introduces you to the Data Analyst tool, Power BI Desktop, the accompanying service and also how to use it in conjunction with advanced analytics tools such as R or Azure Machine Learning. The proof of concept helps you accelerate your data journey

◆ OUTCOMES ◆



Skills

Choose from the several modules available where to focus your training and ramp up on Power BI.



Real Scenario

Implement a real-life scenario in your organization



Way Forward

In the end you will be equipped with knowledge and a working, real-life scenario.

◆ PREREQUISITES ◆

Participants that have existing experience performing data analytics will receive the most value from this course.



Recommended Qualifications

- This course will enable any user to start using Power BI. There are no recommended qualifications, although people with experience in data analysis will find the concepts easier to understand and implement.



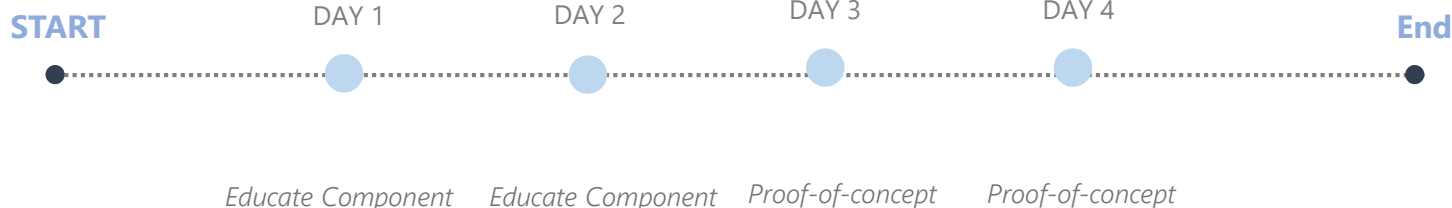
Hardware Requirements

- The educate component leverages our online training facilities so there is no need to do any set up, although training is

typically conducted at the customer's facilities. Please ask your TAM about additional needs for the POC.

AGENDA

Duration: 5 days



SYLLABUS

Power BI Desktop (12h):

Module 1: Introduction: This module serves as motivation for the topics to be covered.

Module 2: Connecting to Data: This module introduces the query view and the connection to the several different data sources supported.

Module 3: Shaping Data: In this

module, you will be presented with the several different options available to transform data.

Module 4: Creating a Data Model: In this module you will learn the different modelling capabilities like relationships, measures, hierarchies and others.

Module 5: Calculations: This module teaches you how to create calculations in Power BI, from simple

to advanced.

Module 6: Building Reports: This module covers the several different visualizations supported as well as typical best-practices for using them.

Module 7: Sharing: This module explains the process of publishing the developed model and accompanying reports in to the service and other sharing features.

Power BI service (6h):

Module 1: Get Data: In this module you'll understand the data connection capabilities that exist in the service.

Module 2: Pinning and Navigation: This module introduces dashboard build and navigation.

Module 3: 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 4: Q&A and Quick Insights: This module introduces the natural language query capability as well as quick insights.

Module 5: Sharing: In this module you will learn the several different sharing options in the service.

Module 6: Connect From Excel: This

module explains how to use Excel to connect directly to models stored in Power BI cloud service.

Module 7: Mobile Reports: This module introduces the mobile applications and explains the several different capabilities.

Module 8: Administration and Licensing: This module briefly introduces administration tasks in Power BI as well as a general overview on licensing.

NEXT STEPS: If you are interested in this service for your organization, contact your Microsoft Account Representative.

AGENDA

Duration: 5 days

START

DAY 1

DAY 2

DAY 3

DAY 4

End

Educate Component

Educate Component

Proof-of-concept

Proof-of-concept

SYLLABUS

Power BI and Machine Learning (8h):

Module 1: Introduction: This module describes what will be covered during the Power BI and Machine Learning workshop.

Module 2: Concepts of Machine Learning : In this module you'll have an introduction to machine learning's basic concepts and the type of problems it solves.

Module 3: Introduction to R Language: This module introduces you to the R language to get you ready to develop your first scripts.

Module 4: Using R with Power BI: This module explains how to use R as a data source and to create great visuals inside of Power BI.

Module 5: Azure Machine Learning

Introduction: This module explains the Azure Machine Learning offering and how it can be used with Power BI.

NEXT STEPS: If you are interested in this service for your organization, contact your Microsoft Account Representative.