



# Workshop: Harness the Power of Power BI for Data Visualization

## **Description and Value Proposition:**

In this workshop, we will guide you through the powerful tools of Power BI to transform data into actionable insights. You will learn how to connect to various data sources, create advanced visualizations, and use the semantic model to optimize your reports. By the end, you will master Power BI Desktop, Power BI Services, and Power BI Mobile, giving you access to your data anytime, anywhere.

This workshop is designed to provide a comprehensive experience, from data connection to the creation of interactive dashboards



Understand how Power BI is structured to integrate, transform, and visualize data efficiently. Explore its cloud-based architecture and key components like Power BI Desktop and Power BI Services.



Learn about the different connection modes in Power BI, including direct connection, data import, and real-time connections. Discover the best approach for your specific data analysis needs.



With Power BI, you have access to a wide range of visualizations to create interactive and visually appealing reports and dashboards. In this workshop, you'll learn to customize and use charts, maps, tables, and more to gain clear insights from your data.

## **Main Workshop Topics**

### **Power BI Desktop**

Explore Power BI Desktop, the primary tool for report creation and data modeling. Learn how to import data, create relationships, and use data transformation tools to efficiently prepare your information.

### **Semantic Model**

Master the semantic model to create a logical layer over your data that allows for greater understanding and reuse across different reports. This model ensures consistency and clarity in the use of business data.

### **DAX (Data Analysis Expressions)**

Discover the power of DAX, the formula language that lets you create custom calculations and advanced measures in Power BI. During the workshop, you'll learn to write efficient formulas to extract maximum value from your data.

### **Power BI Services**

Learn how to publish and share reports via Power BI Services, the cloud platform that facilitates team collaboration. You will also learn how to configure security and permissions to ensure the right data reaches the right people.

### **Power BI Mobile**

Take your reports anywhere with Power BI Mobile. In this workshop, you'll learn to optimize your dashboards for mobile devices and explore how to access them securely from any location.

## **Live Demo**

Join a live demonstration and see how Power BI transforms your data into dynamic reports:

- Connecting multiple data sources in Power BI Desktop.
- Creating customized visualizations and semantic models.
- Using DAX for advanced calculations.
- Publishing and collaborating in the cloud with Power BI Services.
- Accessing and customizing dashboards in Power BI Mobile.

### **Duration:**

2 hours

### **Format:**

Virtual

### **Target Audience:**

Data analysts, BI developers, IT administrators, and decision-making teams.