

# PowerBI

## PowerBI Overview

### Learning Objective

- ❖ Understanding PowerBI.

### Topics Covered

- Installation
- Connecting Power BI to a Data File - CSV File
- Navigating Power BI
- Drilling down and up in hierarchies
- Advanced drilling in hierarchies
- Adding Colours
- Adding A Calculated Column
- Adding Labels and Formatting

## Time Series Aggregation and Filters

### Learning Objective

- ❖ Learning Time Series

### Topics Covered:

- Downloading and connecting to the dataset
- Working with time series

- Understanding aggregation and granularity
- Creating an area chart & learning about highlighting
- Filters and Slicers in Power BI

## **Maps, Scatter plots and Interactive Dashboards**

### **Learning Objective**

- ❖ **Learning Maps, Scatter plots and Interactive Dashboards**
  - Joining data in Power BI
  - Understanding how LEFT, RIGHT, INNER, and OUTER joins work
  - Joins with duplicate values
  - Joining on multiple fields
  - Creating a map, working with hierarchies, lats and lons
  - Power BI: Calculated Columns vs Calculated Measures
  - Creating a scatter plot
  - Combining charts, filters and slicers
  - Adding a Donut Chart
  - Joining data in Power BI
  - Understanding how LEFT, RIGHT, INNER, and OUTER joins work
  - Joins with duplicate values
  - Joining on multiple fields
  - Creating a map, working with hierarchies, lats and lons
  - Power BI: Calculated Columns vs Calculated Measures
  - Creating a scatter plot
  - Combining charts, filters and slicers
  - Adding a Donut Chart

**Note :All topics are delivered as Hands-On sessions.**

## **Creating An Interactive Business Intelligence Report**

### **Learning Objective**

- ❖ Learning reporting using PowerBI

### **Topics Covered**

- Downloading the dataset and connecting Power BI
- Mapping: How To Set Geographical Roles
- Creating Table Calculations for Gender
- Creating Bins and Distributions for Age
- Creating Bins and Distributions for Balance
- How to create a Treemap chart
- Creating a Customer Segmentation Dashboard
- Controlling Report Interactivity
- Analyzing the Customer Segmentation Dashboard
- Creating an Interactive Business Intelligence Report

## **Leveraging Custom Visuals**

### **Learning Objective**

- ❖ Learning Custom Visuals using PowerBI

### **Topics Covered**

- Visualizing the European Debt Crisis

- Installing a Custom Visual for Power BI**
- Mechanics of a Chord Chart**
- Setting up the second Chord Chart**
- Adding Treemaps**

