

# **Analyzing and Visualizing Data with Power BI**

**Modality: On Demand**

**Duration: 24 Hours**

## **About this Course:**

This beginner-level 24 hours course is specifically designed for Data Scientists and Professionals striving to learn more about the core functionalities of Power BI. Professionals will get hands-on experience of working with Power BI and will receive first-hand knowledge of its application in the field of Data Science. Power BI is rapidly gaining popularity and is one of the leading cloud-based services for sharing insights and data visualizations.

This course encompasses a series of lecture-based videos, practical labs, demos, and quizzes relating to the key topics of Power BI. Professionals will get to learn the fundamentals of Data Transformation & Connection in Power BI, Data Visualization & Importation, Microsoft Excel Collaboration, Real-Time Dashboard Development, and Authoring & Publishing Reports.

In addition to this, this course also includes Natural Language Queries Applications, Automated Reports Refreshing, Data Modelling, Mobile Device Application, and Business Intelligence Key Concepts.

## **Course Objective:**

The core objective of this course is to help professionals develop a better knowledge and understanding of the following key concepts:

- Data Connection and Transformation for Business Intelligence
- Shaping and Importing Data
- Data Visualization and Authoring Reports
- Automated Reports Refreshing Scheduling
- Working with Power BI Service and Data Modelling
- Microsoft Excel and Power BI Desktop Dashboard Creation and Sharing
- Collaborating and Connecting with Microsoft Excel
- Mobile App, Developer API, and Direct Connectivity Essentials
- Natural Language Queries Applications
- Real-Time Dashboards Development

## **Audience:**

This course is specifically tailored for Data Scientists and Data Analysts and professionals working in Data Environment.

## **Prerequisites:**

Professionals planning to enroll in the Analyzing and Visualizing Data with Power BI must have

practical experience of working with data from text files, Excel, and databases.

## **Course Outline:**

### **0. Introduction**

- What is Power BI

### **1. Power BI Desktop Data Transformations**

- Transforming Data using Power BI Desktop
- Lab 1

### **2. Power BI Desktop Modelling**

- Data Modelling in Power BI Desktop
- Lab 2

### **3. Power BI Desktop Visualization**

- Visualizing Your Data
- Working with Multiple Visualizations
- Lab 3

### **4. Power BI Service**

- Working with Power BI Service
- Viewing Power BI Dashboard
- Lab 4

### **5. Working with Excel**

- Connecting and Collaborating with Excel
- Lab 5

### **6. Direct Connectivity**

- Direct Connectivity
- Lab 6

### **7. Developer API**

- Developer API
- Lab 8

### **8. Mobile App**

- Mobile App

## Course Wrap-up

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