



Data Analytics Training Using Microsoft Power BI

2 Days Data Analytics Master Classes on Power BI

INTRODUCTION

Data is everywhere and its amount is growing larger and larger every day. With the increasing availability of data comes new challenges and opportunities as business leaders seek to gain important insights and transform information into actionable and meaningful results.

Everyone has come to realise that better and more accurate decisions can be made when data is put into good use. Integrating Data Analytics Using Microsoft Power BI (Microsoft Business Intelligence) to the daily business decision process allows you to extract useful knowledge from data to solve your business problems.

The 2 days training program in Data Analytics using Power BI empowers you to drive effective business change through data driven solutions. It will enable you to create interactive reports, discover insights and share your findings throughout your organisation.



ABOUT EDOXI

At Edoxi Training Institute, we've partnered with trainers who are Microsoft Certified Experts in Data Analytics and Power BI. Through Power BI training and consulting, we have established a record of empowering originations with the skills and tools needed to drive their business further. Using latest technologies and best practice, the Edoxi team is dedicated to providing training and solutions that ultimately save time, increase profits and reduce stress.

COMPLETED

INSPIRED

TRAINING
EXPERTISE

JOBS
SECURED

250

SESSIONS

1000+

PARTICIPANTS

2.5

YEARS

400+

STUDENTS

COURSE OVERVIEW

**"Empower Your Organisation
Through Compelling Data Story-Telling"**

*Learn how to perform Big Data Analytics using
Microsoft Business Intelligence.*

COURSE OVERVIEW

Our Data Analytics Using Microsoft Power BI Training Course is designed to arm participants with knowledge on using the most highly rated Data Analytics and Business Intelligence Tool, Power BI to go from data to insights.

Participants will quickly learn from a Microsoft Certified Trainer, the bolts of the key concepts required to be a Power BI expert.

And not just that, the facilitator will be on ground, supporting any participant with challenges working with Power BI afterwards.

COURSE DURATION: 2 DAYS / 16 HOURS.

Day 1

- 1st half – Dedicated to Data Mining concepts and best practices.
- 2nd half – Topics and exercises around Exploratory data analysis followed by exhaustive session on Data Modelling.

Day 2

- 1st half – Exposure to advance data modelling techniques & data visualization
- 2nd half – Steps to taking BI to cloud, followed by business cases on how to drive business to actionable insights

ASSESSMENT

Course assessment will be based on classroom exercises, case studies and project presentation.

Who This Course is For:

- Beginners and small business owners.
- Intermediate and advanced users who wants to gain additional tips and techniques.
- Those who want to present data through stunning visualisation.

Prerequisites:

- Anyone who wants to enhance their knowledge of Power BI can attend the course.
- Experience with Microsoft Excel Pivot Charts and Pivot Tables would be beneficial.
- Any knowledge of RDBMS, Tables and relationships will be added advantage.

System Requirements:

- You will need to sign up for the free Microsoft PowerBI service.
- Download the Power BI Desktop app which is available free from Microsoft.

COURSE MODULES IN DETAIL -DAY 1

Module 1:

Introduction to Self-Service BI solutions

- Introduction to Business Intelligence.
- Introduction to Data Analysis.
- Introduction to Data Visualization.
- Overview and considerations for Self-Service BI.
- Microsoft Tools for Self-Service BI.

Module 2:

Introducing Power BI

- Explore the rationale of Power BI.
- Define the components of Power BI Service.
- Connecting to conventional Power BI Data sources.
- Create the first Power BI Report using non-Excel data.
- Introduction to advanced data sets (WEB, API, JSON, ODATA, etc.).



Module 3:

Power BI Data

- Using Excel as a Data Source for Power BI.
- Exploring the Power BI Data Model.
- Using Online/Live Databases as a Data Source for Power BI.
- Importing Excel files into Power BI Viewing Reports from Excel Files.
- Exploring smart techniques to get data into Power BI from non-conventional data sets.

Module 4:

Shaping and Combining Data

- Power BI Desktop Queries.
- Power BI Visualization - Tables and Maps.
- Using Geographical Data in Visualizations.
- Shape and Combine Power BI Data - Mashup.
- Perform a range of query editing tasks in Power BI.
- Shape data, using formatting and transformations.
- Combine data together from tables in your dataset.

COURSE MODULES IN DETAIL -DAY 2

Module 5:

Modelling Data

- Defining the need of data Relationships and understanding cardinality.
- Introduction to DAX Queries.
- DAX Concepts - Row context & Filter context.
- Calculations and Measures.
- Create Relationships and describe relationships between data tables.
- Understanding logical Calculations.
- Understand the DAX syntax and use DAX functions to enhance your datasets.
- Essential DAX functions - CALCULATE, FILTER, RELATEDTABLE.
- Working on Dates - developing date dimensions using Advanced M Query.
- Create calculated columns, calculated tables, and measures.
- Important DAX Functions (Time Intelligence and Iterators).
- NOW, TODAY, DATE, DATEADD, DATEDIFF, TOTALMTD ...QTD, YTD, SAMEPERIODLASTYEAR.



Module 6:

Interactive Data Visualizations

- Creating Power BI Reports.
- Creating a Power BI Dashboard.
- Use Power BI Desktop to create interactive data visualizations.
- Manage a Power BI solution using Custom Visuals.
- Import custom visuals into Power BI for use in Power BI reports.
- Advanced visualization techniques - Synchronized filters and bookmarks.
- Advanced Power BI features - Filtering, Hierarchy, Drilldown, Tooltips.



Module 7:

Direct Connectivity

- Advantages of maintaining Cloud Data.
- Publishing Power BI data to Cloud.
- Connecting to Analysis Services .
- Direct Connections to Power BI.
- Use Power BI with SQL Server Analysis Services data.
- Overview to online data sources ingestion (e.g. Google Analytics).
- Use Analysis Services models running in multidimensional mode.

Module 8:

Power BI Mobile & Web Service

- Using the Power BI Mobile App.
- Develop Mobile compatible responsive reports and dashboards.
- Create dashboards and reports for mobile devices.
- Use Power BI Embedded to add visualizations and reports to web or mobile application.
- Exploring Power BI Cloud services - Quick Insights, Usage Metrics, Report Scheduling.
- Developing reports using Power BI NLP features.

WHY CHOOSE EDOXI?

Our 2 days masterclass on Data Analytics Using Power BI enables users at all levels of an organization to acquire and transform data, enhance the data for analysis, and produce reports and dashboards.

Using Power BI in Data Analytics transforms your company's data into rich visuals for you to collect and organise so you can focus on what matters to you. With more than 20 built-in visuals and a gallery of vibrant custom visualizations, Power BI makes it easy to use advanced analytics to effectively communicate your message and address business challenges.

Stay in the know, spot trends as they happen, and push your business further.

Data Focus

We focus on empowering organisations with Power BI training and solutions that produce results. Our passion is to help organisations become more 'Data Savvy'.

Real-life Training

Having helped numerous organisations overcome the obstacles to enhanced data efficiency and empowering them with the skills to adopt a 'data culture', the team at Edoxi has years of 'real life' experience in the 'BI - trenches'. We don't just show you what all the various buttons and knobs do. You can learn that from documentation.

Quality

With Microsoft Certified experts to meet your training requirements, we ensure that all our training content and best practices are up to date with latest Microsoft releases and new technology offerings.

Deep Domain Expertise

Drawing on a wealth of experience, based on developing and deploying numerous best practice BI solutions globally, we'll teach you how to build a robust Data Analytics - Power BI solution from the ground up, ensuring that, going forward, your team has the best practice foundation to continue the process of getting the right data into the right hands.

Long-Term Partnership

Our friendly team of trainers and consultants understand that applying the learning to your own environment and data might result in some new questions. Ensuring your team can continue to progress towards fulfilling organizational BI needs and goals, we provide continued support packages.



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