

MICROSOFT POWER BI INCLUDING DAX & QUERIES

BE EMPOWERED TO BECOME MORE DATA SAVVY



December 12, 2019 | Marriott Hotel, Karachi | 9:30 AM – 5:00 PM

What Is Power BI?

Power BI is a cloud-based business analytics service by Microsoft enabling anyone to visualize and analyze data with greater speed, efficiency, and high understanding.

Moreover, Power BI

- Is an interactive data visualization tool which makes it easy to share data across the organization?
- Delivers valuable insights to make quick and informed decisions
- Transforms raw and unprocessed data into insightful and stunning visuals for officials to communicate and understand the business better
- Provides access to the customized reports and interactive dashboards which help to have a complete 360-degree view of the business

Who can use Power BI?

- It can be used by Business Analysts and IT Personnel to
- **CREATE** interactive data visualization from multiple data sources
 - **DELIVER** real-time insights across the organization

Intended Audience

- Data Analysts, Business Analysts, Information Analysts, Financial analysts
- DB Administrators, Project Managers, Marketers
- Other excel users wishing to upgrade their reporting capabilities



Delegates will need to **bring along a laptop** for hands-on activity

Course Facilitator

IRFAN BAKALY



- Microsoft Most Valuable Professional (MVP)
- Microsoft Certified Professional
- Microsoft Certified Analyzing And Visualizing Data With Power BI
- Microsoft Certified Office Specialist Of Excel 2013/2016
- Microsoft Certified in Managing Projects With Microsoft Project
- 20+ Years of Hands-on Experience

Learning Objectives:

On completion of this course, participants will be able to:

- **PERFORM** Power BI desktop data transformation
- **DESCRIBE** Power BI desktop modelling
- **CREATE** a Power BI desktop visualization
- **IMPLEMENT** the Power BI service
- **DESCRIBE** how to connect to Excel data
- **DESCRIBE** how to collaborate with Power BI data

Course Prerequisites

Before attending this course, professionals must have:

- Some basic knowledge of data warehouse schema topology (including star and snowflake schemas)
- Some exposure to basic programming constructs (such as looping and branching)
- An awareness of key business priorities such as revenue, profitability, and financial accounting is desirable.
- Familiarity with Microsoft Office applications – particularly Excel

Workshop Investment
PKR 18,000 +SST
per participant



Fee Includes:

5 Star Hotel Venue for Training,
Course Material, Certificate of Attendance,
Lunch, Refreshments & Business Networking

Send your cheque in favor of Octara Private Limited
To: **Umair Tariq, Admin & Accounts Executive**
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Course Agenda

Power BI Desktop – Overview

- Navigation
- Introduction to core functions and practical significance
- Overview of the steps and languages involved

Power BI Desktop – Data Extraction

- Exploring different data sources and connectors
- Data extraction from Excel Workbook
- Data extraction from the Web

Data Visualization in Power BI Desktop

- Visualization Best Practices
- Which Chart is the Best?
- Basic Charts
- Interaction of Visuals
- Color Formatting
- Setting Sort Order
- Types of Charts & Play with Axis
- Tooltips
- Slicers & Timeline Slicers
- Cross Filtering and Highlighting
- Visual, Page and Report Level Filters
- Drill Down/Up
- Map Visuals
- Line Chart; Powerful
- Table and Matrix with Conditional Formatting
- Switch between web/phone layout
- Inserting shapes, images and text boxes
- Drill Down
- Tooltip
- Hyperlink & Bookmark
- Working with Custom Visuals

Power BI Desktop – Data Transformation / Edit Queries

- What is Power Query?
- Power Query in Excel and Power BI
- Basic Transformations
- Get Data
- Different Data Sources

Combine Queries

- Merge, Joining queries
- Append, creating a big list
- Combine Binaries; Looping through files in a folder

Transformations

- Column Operations
- Row Operations
- Filtering
- Sorting
- Split
- Merge (Concatenate)
- Date Transformations (Year, Month, Quarter)
- Extending Fiscal Date Column

Power BI Desktop – Data Modelling

- Introduction to relationship view navigation
- Creating and editing relationships

Introduction to DAX

- Introduction to DAX - Data Analysis Expressions
- Syntax of DAX
- Understanding calculated columns and measures
- Why is a measure more efficient than a column?
- Creating calculated columns
- Measures in PowerPivot
- Implicit and explicit measures
- Editing / Deleting measures

Core DAX Function

Calendar, CalendarAuto, Date, Day, Month, Year, Format, Weekday, Weeknum, All, AllExcept, Calculate, Filter, Related, MTD, QTD, YTD, SamePeriodLastYear, Running Total, Average, Count, CountA, CountBlank, CountRows, Max, Min, RankX

Power BI Service

- Logging in and understanding navigation
- What are workspaces?
- Publishing data to web

Power BI Service – Dashboards

- Pinning visuals and creating dashboards
- Viewing & Sharing reports & dashboards
- Row level security

Gateways

- Types of Gateway
- On-premises Gateway in Details
- Schedule Refresh

FACILITATOR'S PROFILE

Irfan Bakaly, who got



Pakistan's first Microsoft Most Valuable Professional (MVP) award in Excel category, is also having 20+ years of experience in technology training field and served many institutions & organizations of repute.

He is motivated and

enthusiastic by new challenges and tasks and takes excellent approach to achieve success in all projects. He also likes to work in complex projects which have scope for learning and challenge. Apart from holding a Bachelor's Degree in Computer Science, Microsoft Analyzing and Visualizing Data with Power BI, Microsoft Certified Professional & Microsoft Certified for Excel 2013. His courses contain both content & delivery methodologies which enables participants to learn more in less time.

His signature courses include Power BI including PowerPivot & Power Query, Excel for Business Users, Excel Basic, Intermediate & Advanced, Excel Data Analysis, Microsoft Access for Creating Database Applications, Dashboard Reporting using Excel, Excel Macros using VBA & Presentation Skills in Business using Microsoft PowerPoint.

He has given trainings to over 3000+ professionals from various local organizations encompassing various industries, such as: Banking and Finance, Manufacturing, Hospitals, FMCGS IT and Education. His video tutorials have been widely shared on his YouTube Channel named as "Irfan Wazir Ali" and other video tutorial websites by other users.

What Past Participants have said about Irfan Bakaly's Training?

“ A great session with great content, taught in an understandable and cheerful manner. It was really good to have such a knowledgeable trainer who could advise on different scenario and problems. I really enjoyed the two days - thanks! ”

- Ayyaz Ahmed, B.Braun

“ The training was very inspirational, energizing, bringing lots of ideas, with both substantial and in-depth knowledge together with case studies, learning from experience and being fully practice-oriented. ”

- Aftab Ahmed, Fauji Fertilizer Bin Qasim (FFBL)

“ This was an extremely informative course. The tools are very helpful. I'm glad to have been a part of it! Superb program! ”

- Josselyn Dsouza, United Bank Ltd.

Bring this program In-house at attractive discount

This workshop can be customized to suit specific needs of your organization which may lead to significant savings. Please contact Sarim Atique at sarim.atique@octara.com or call at 0345-8949470

For Registration & Details:

Karachi: 021-34547141, 34520093, 34536306

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