

2 Day Power BI TRAINING WORKSHOP

The inability to access the information you need when you need it can cost your business tens or even hundreds of thousands of dollars

Access the information you need when you need it through visually stunning dashboards and reports



Be empowered to drive effective business change through data driven solutions. Create interactive reports, discover insights and share your findings throughout your organisation.

What to Expect?

In this popular 2 day workshop, our structured Power BI Training course follows a hands-on end to end process of importing 'dirty' data into Power BI Desktop and transforming this into a stunning interactive dashboard shared in the cloud. All exercises, have a relevant context, covering 'real-life' scenarios that require building KPIs to answers specific business questions. This training ensures that, going forward, your team has the best practice foundation to continue the process of getting the right data into the right hands. Learn the Power BI tricks of the trade from a team who has many Power BI solutions under their belts.

DEMO SOLUTION

Duration:

Two days
9:00 am - 4:00 pm
(each day)

Price:

R7, 900
per delegate

Contact Us:

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Objectives

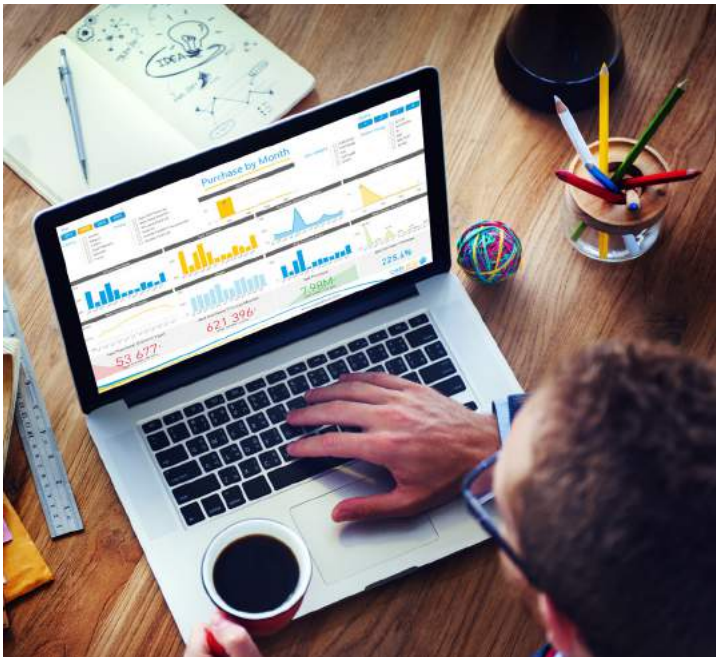


Learn how to:

Clean and transform dirty data, model it, and build KPIs and metrics that answer specific business questions. Use DAX effectively to build time intelligence reports, slice reports by measures and filter according to context.

- Combine multiple data sources into one dataset
- Build interactive reports
- Perform forecasting & What-If analysis
- Apply security rules and share content

Who is it For?



Is your organization deploying or already using Microsoft Power BI?

Tired of struggling with countless complex Excel reports which contain hundreds of formulas, not to mention the headache of trying to make sure everyone is using the latest version.

This training is designed for analysts or organizational teams who need to derive and share insights with business data.

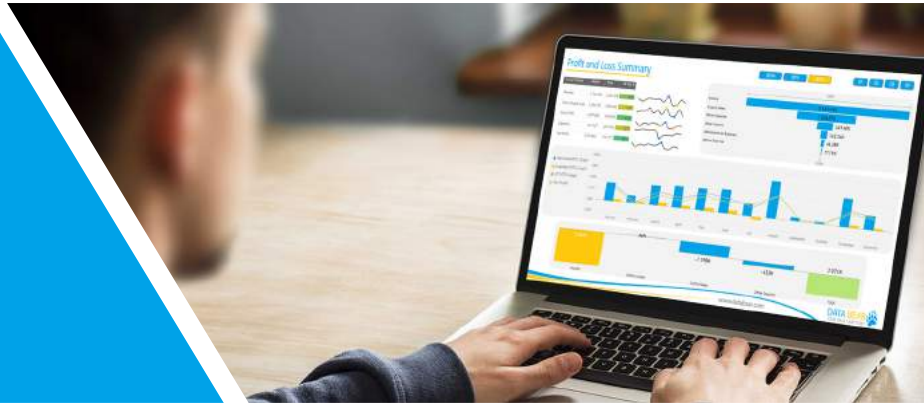
We'll show you how, without needing former data analysis training or needing to learn another language, you can be building and sharing the reports and dashboards of your dreams.

About us

With over 10 yrs in training and with a vertical focus on helping business become more data efficient through Power BI training and consulting, Tiragalo BC has an established record of empowering organizations with the skills and tools needed to drive their business further. Using latest technologies and best practice, the TBC team is dedicated to providing training and solutions that ultimately save time, increase profits and reduce stress.

Course Content

Day 1



Overview of Power BI

- The value offering
- Licensing and Pricing
- Positioning



Power BI Cloud Service (the wow features)

- Overview of the Cloud Service
- Importing a Report into the Cloud Service
- **Building a CFO Dashboard**
- Dashboard Flow and Navigation
- Power BI for Mobile
- Q&A (Natural Language Queries)
- Quick Insights
- Content Packs
- Demo Samples
- Publish to web (embedded)
- Export to PowerPoint



Power BI Desktop

- Overview of Power BI Desktop
- Similarities to Excel Power Pivot
- Similarities to Excel Power Query
- Technical Options & Settings
- Monthly Updates



Importing and Transforming Data

- Importing Data from various sources
- Using Direct Query
- Query Editor Overview
- Understanding Query Design & the ETL Process
- Query Building Best Practice
- Understanding Applied Steps
- Data Transformations
 - Cleaning data (covers many different methods)
 - Merging Datasets
 - Unpivoting Data
 - Combining Files from a folder
 - Appending datasets
- Using a Dynamic Fiscal Calendar Table
- Creating Parameters



Data Modelling

- Creating Relationships
- Bidirectional Relationships
- Default Summarization
- Custom sorting of columns
- Data Types & Formatting
- Creating data synonyms



Report Building

- **Build a Time Intelligence Report**

Day 2



Report Building (cont.)

- Report Layout Guide lines
- Creating Calculated Measures
- Understanding DAX syntax
- Implicit Vs Explicit Measures
- Base Measures & Metrics
- Commonly Used DAX Functions
 - Sum, Average
 - Time Intelligence (MTD, QTD, YTD, Prior Year)
 - Calculate and filter context
 - Filter, All
 - IF, HasOneValue
 - Switch
 - Divide
 - UserRelationship
 - Selected Value
- Optimizing Measures for Self-Service BI
- Using Quick Measures
- **Build a Monthly Trend Report**
- How to Slice by Measure
- Dynamic Headings & Dates
- Types of Slicers and filters
- Understanding KPI cards
- Using Field, Format, Analytics Pane
- **Build a Tabular Report (Matrix)**
- Types of Conditional Formatting



Report Functionality

- Drill-Downs
- Drill-Through
- Slice by Relative Dates
- Focus Mode - See Details
- Setting Visual Interactivity
- Exporting Data from Power BI Desktop
- Using Power BI Desktop Quick Insights
- Handling Multiple relationships with the fact table
- **Build a Shipped Date Report**
- Building Reports using Q&A



Report Visualisations

- Choosing visuals based on context
- Native & Custom Visuals
- Using Bullet, Scatter, Ribbon & Waterfall charts
- **Build a What-if Analysis Report** (time permitting)



Optimizing the Design

- Adding Tool Tips
- Types of Conditional Formatting
- Custom Page Sizing
- Logo & Icons
- Shapes and Borders
- Formatting Tips & Tricks
- Power BI Bookmarking (time permitting)
- Best Practice Guidelines and Development Tips



Governance & Distribution

- Row Level Security – Creating and Testing Roles
- Publishing to the cloud Service
- Security – Add Users to Defined Roles
- Sharing Dashboards & Reports
- Creating App Workspaces & Publishing Apps
- Adding Users & Editing Workspaces
- Publishing Apps
- Organisational Content Packs



Data Refreshing

- Installing and Configuring the Data Gateway
- Scheduling Data Refreshes
- Refreshing On-Demand