

BUSINESS INTELLIGENCE: POWER BI

Enhance your skills on Power BI

Introduction

Power BI is quickly gaining popularity among professionals in data science as a cloud-based service that helps them easily visualise and share insights from their organisations' data.

This training covers the core elements needed to get an understanding of what Power BI can do. It also provides Excel users the power to draw information out of multiple sources, links it together and performs calculations.

Trainees will learn how to connect and merge data with Power BI Desktop, the powerful data analysis, and visualisation software. This training will be using mini-lectures and hands-on learning to cover data transformation and modelling on Day 1.

For Day 2, the trainees will learn the data visualisation techniques and direct connectivity concepts using Power BI Desktop.

Objectives

At the end of this training, the learners will be able to:

- Connect, import, shape and transform data for business intelligence
- Create an interactive dashboard based on a report in Power BI Desktop
- Visualise data and automate refresh of your designed reports

Training Duration

2 Full Days

Who Should Attend?

- Excel Users
- Executives
- Analysis
- Engineers

Program Schedule

Day/Time	Day 1	Day 2
9am-10.30am	Module 1	Module 2
10.30am-11.30am	Module 1	Module 2
11.30am-12.30pm	Lunch	Lunch
12.30pm-1.30pm	Module 1	Module 2
1.30pm-2.30pm	Module 1	Module 2
2.30pm-4pm	Q&A, Summary	Q&A, Summary

Course Outline

Module 1 (Day 1)

- Training Overview
- Introduction to Power BI
- Power BI Desktop, Power Query and Power Pivot
- Connecting to a Database
- Basic Transformation
- Managing Query Groups
- Splitting Columns
- Changing Data Types
- Working with Dates
- Removing and Reordering Columns
- Conditional Columns
- Merge Queries
- Query Dependency View
- Enter Data
- Query Parameters
- Lab 1: Used Case
- Managing Data Relationships
- Creating Calculated Columns
- Optimising Models for Reporting
- Creating Calculated Measures
- Creating and Managing Hierarchies
- Time Intelligence
- Manually Typing in a Data Table
- Include/ Exclude, Grouping/ Binning
- Lab 2: Used Case

Module 2: Day 2

- Concepts of Data Visualisation
 - Pie and Treemap
 - Hierarchical Axis and Concatenating
 - Bar Chart with Line
 - Analytics Pane
 - Clustering
 - Slicer
 - Focus Mode and See Data
 - Data Slicer
 - Map Visualisations
 - Table and Matrix
 - Scatter Chart
 - Waterfall
 - Gauge, Card and KPI
 - Colouring Charts Shape, Textbooks and Images
 - Gridlines and Snap to Grid
 - Page Layout and Formatting
 - Visual Relationship
 - Categories with No Data
 - Default Summarisation and Categorisation
 - Positioning, Aligning and Sorting Visuals
 - Custom Hierarchies
 - Working with Excel and Direct Connectivity
 - Lab 3: Used Case
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Testimonials

"This training composed of a combination of knowledge, skills, and capabilities of Power BI. It helps me better understand about Power BI as I'm new to it. Thanks to the instructor for his high level of patience especially attending to our inquiries."

- Intel employee -

"The session was really great as the trainer was well prepared with the materials and it was also easy to follow and understand. Well done!"

- Intel Employee -

"I have learnt a lot of tips and tricks from the trainer during this session and I think it would really be in good use in the future when I need it. Thank you so much."

- Intel employee -

"The content of this session was really good as there were also live demonstrations that was done by the instructor. Will definitely recommend this course."

- Intel employee -

About Elite Indigo

Elite Indigo Consulting provides corporate training to the semiconductor and manufacturing industries. With a humble beginning of one founding member with passion and desire to share his 20 years of experiences in Smart Manufacturing for global manufacturing facilities, now, we have a strong and competent team of 20 members, all aligned with company mission, vision and core values.

Our Mission

"Transform Data into Insights - Leap Forward"

Our Vision

Be a Global Trusted Advisor in the Areas of Skills Development, Consultancy & Software Solutions specialising in Semiconductor & Manufacturing industries.

Our Core Values

