

DATA VISUALIZATION USING POWER BI – BASIC TO INTERMEDIATE



BY ELITE INDIGO









khenghuat.koay@gmail.com







Data Visualization using PowerBI - Basic to Intermediate

Program Overview

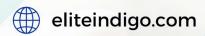
Power BI is quickly becoming the world's most powerful self-service business intelligence platform, and an essential tool for data professionals and beginners alike. With Power BI you can connect to hundreds of data sources, build complex relational models using simple and intuitive tools, and design stunning, interactive dashboards from scratch — all for free.

By the end of the course, not only will you have developed an entire business intelligence tool from the ground up using Power BI, but you will have gained the knowledge and confidence to apply these same concepts to your own Power BI projects

Learning Objectives

By the end of the course, participants will be able to:

- Build professional-quality business intelligence reports from the ground up
- Blend and transform raw data into beautiful interactive dashboards
- Design and implement the same B.I. tools used by professional analysts and data scientists
- Showcase your skills with two full-scale course projects (with step-by-step solutions)
- Understand the business intelligence workflow from end-to-end
- Duration Two (2) Full-Day Workshop;

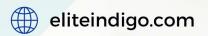




Data Visualization using PowerBI - Basic to Intermediate

Course Schedule (Day 1)

DAY/TIME	Description
1 Hour	 Welcome & Introduction What is Power Bi? Power Bi Desktop Power Bi Screen Interface
2 Hours	 Connect Raw Data to Power Bi Intro to the Power BI Query Editor Types of Power BI Data Connectors Modifying, Merging & Appending Queries Connecting to Folders
1 Hour	Lunch
2 hours	 Transform Complex Raw Data Using Power Query Basic Table Transformations Text, Number & Date Tools Index & Conditional Columns Grouping & Aggregating Data Pivoting & Unpivoting
2 Hours 30 Minutes	 Enable Relational Data Model Intro to Database Normalization Data ("Fact") Tables vs. Lookup ("Dimension") Tables Creating Power BI Table Relationships Relationship Cardinality Connecting Multiple Data Tables Filtering & Cross-Filtering Hiding Fields from the Power BI Report View

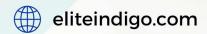




Data Visualization using PowerBI - Basic to Intermediate

Course Schedule (Day 2)

DAY/TIME	Description		
1 Hour	 Introduction to DAX Measures Intro to Data Analysis Expressions (DAX) Calculated Columns vs. Measures DAX Syntax & Operators Common Power BI Functions 		
2 Hours	 Add Calculated Fields with DAX Basic Date & Time Formulas Logical & Conditional Statements Text, Math & Stats Functions Joining Data with RELATED CALCULATE, ALL & FILTER Functions 		
1 Hour	Lunch		
2 Hours	 Introduction to Power Bi Visualization Intro to the Power Bl Report View Adding Basic Charts to Power Bl Reports 	0	
2 Hours 30 Minutes	 Posign Interactive Power BI Reports Formatting & Filtering Options Matrix Visuals Slicers & Timelines Cards & KPIs Power BI Map Visuals (Basic, Fill, ArcGIS) 		





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LEADERSHIP SKILL

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TEAMBUILDING

Understand the dynamics of teamwork, communication, and synergy





