

POWER BI



**Draft on Understanding
PowerBI**

Power BI Index

1. BUSINESS INTELLIGENCE (BI) CONCEPTS

- 1.1 Introduction to Business Intelligence*
- 1.2 Relation between Business Intelligence and Data Warehouse*
- 1.3 Relation between Business Intelligence and Data Warehouse (Cont.)*
- 1.4 BI Tools*

2. MICROSOFT POWER BI (MSPBI) INTRODUCTION

- 2.1 Power BI Introduction and Overview*
- 2.2 Power BI Architecture*
- 2.3 Introduction to Power BI Desktop*
- 2.4 Why to choose Power BI over EXCEL*

3. INTRODUCTION AND GETTING STARTED

- 3.1 How to get Power BI Desktop?*
- 3.2 Power BI Desktop Interface*
- 3.3 Change Default Settings*

4. CONNECT TO VARIOUS DATA SOURCES

- 4.1 Connect to CSV/TEXT/EXCEL Files*
- 4.2 Connect to CSV/TEXT/EXCEL Files (Cont.)*
- 4.3 Connect to CSV/TEXT/EXCEL Files (Cont.)*
- 4.4 Connect to SQL Server*
- 4.5 Connect to SQL Server (Cont.)*
- 4.6 Connect to a web page*
- 4.7 Connect to a web page (Cont.)*
- 4.8 Enter Data Directly*
- 4.9 Connect to direct SQL QUERY*

5. POWER QUERY FOR DATA TRANSFORMATION

- 5.1 Power Query*
- 5.2 How to open Power Query Editor?*
- 5.3 Power Query Editor Interface*
- 5.4 Power Query Editor Interface (Cont.)*
- 5.5 Data Types*
- 5.6 Transformation Procedure*
- 5.7 Merge & Append Queries*
- 5.8 Choose Close and apply*
- 5.9 Include in Report Refresh*
- 5.10 Defining Data Categories*

6. DATA MODELLING IN POWER BI

- 6.1 Data Model*
- 6.2 Without Data Model*
- 6.3 With Data Model*
- 6.4 Building Relationships*
- 6.5 Understanding “SNOWFLAKE” Schemas*
- 6.6 Editing Existing Relationships*
- 6.7 Active and Inactive Relationships*
- 6.8 Relationship Cardinality*
- 6.9 Filter Flow*
- 6.10 Both-Way Filter*
- 6.11 Hiding Foreign Keys*
- 6.12 Introduction to DAX*
- 6.13 Calculated Columns*
- 6.14 Measures*
- 6.15 Measures VS. Calculated Columns*
- 6.16 Adding Measures*
- 6.17 Implicit & Explicit Measures*
- 6.18 Calculated Tables*
- 6.19 DAX Operators*
- 6.20 What is DAX ?*
- 6.21 How to apply DAX ?*
- 6.22 All about DAX*

7. REPORTS IN POWER BI

- 7.1 Connect to direct SQL Query in Desktop*
- 7.2 There are 3 Different types of views in Power BI.*
- 7.3 Report View*
- 7.4 Table View*
- 7.5 Model View*
- 7.6 Power BI Desktop Filters*
- 7.7 How can we filter Data in Power BI?*
- 7.8 Report Interactions*

8. REPORTS & VISUALIZATION TYPES IN POWER BI