





DATA VISUALIZATION USING POWER BI

Why CFI Education

-  Classroom / Live and Self-paced Learning
-  Case-based learning
-  Project work and Certification
-  Passionate Educators



Module 1: Understanding Analytics

- Data & Analytics
- Introduction to Business Intelligence
- Importance of Business Intelligence
- Overview of Self-Service BI

Module 2: Microsoft Power BI Introduction

- Power BI introduction and Overview
- Power BI Desktop - Installation
- Explain Power BI Desktop
- Power BI Screen Elements and Toolbars

Module 3: Connecting Power BI with Different Data

- Connect to CSV files in Power BI
- Connect to Excel in Power BI
- Connect to PDF in Power BI
- Connect to Web Page in Power BI

Module 4: Data Cleaning with Power Query

- Power Query Introduction
- Query Editor interface
- Column Transformations
- Combining Data: Append Query
- Combining Data: Merge Query
- Number, Date and Time Calculations
- Text Transformation
- Sorting & Filters Data
- Splitting & Merging Data
- Pivot and Unpivot Data
- Adding Columns
- M Built-in Function

Module 5: Data Modelling in Power BI

- What is a PowerPivot?
- What is a Data Model?
- What is a Relationship?
- Introduction to DAX
- Detecting and Creating Relationships of Tables
- Understanding the Star Schema
- Creating Calculated Columns
- Creating Tables
- Creating Measure
- Row Context vs Set Context
- Working with DAX Functions
- Getting Data from Related Tables

Module 6: Creating Report & Visualization

- Create a New Power BI Report

- Report Editor in Power BI
- Add, Rename, Delete & Duplicate Page to Power BI Report
- Save Report in Power BI
- Change how visuals interact in a report
- Open a Power BI in Reading View
- Page Display Setting in Power BI report
- Type of Visualization in Power BI Report Adding Visuals
- Data Categories, Geo-Data and Maps
- Creating and Working with Tables and Matrix Views
- Customizing Visuals by Field, Format & Analytic
- Filtering Visual, Page, All Pages
- Using Interactive Slicers - Dropdowns and Searches
- Number, Date, Text Slicers
- Applying Conditional Formats to Visualizations
- Drill Visualizations to see underlying Data
- Date Hierarchies
- Show Values as and Quick Measures
- Custom Visualization in Power BI
- Selection Pane
- Lock Objects
- Adding Graphics
- Bookmarks
- Spotlight
- Report Themes
- Using Security by Creating Role Based Views
- Insight - Explain Increase/Decrease
- Export Power BI Data to CSV

Module 6: Creating a Power BI Dashboard

- Dashboard vs Reports
- Creating a Power BI Dashboard
- Dashboard Tiles in Power BI
- Pin a Tiles to Power BI Dashboard from a report
- Power BI publisher in Excel
- Data alert in Power BI Service
- Add Image, Text box, Video or web code to your dashboard
- Tips for designing a great Power BI Dashboard
- Create Phone View of a Dashboard
- Power BI Q&A
- Quick Insights with Power BI

Module 7: Refreshing Data

- Configure schedule refresh data
- Refresh a dataset created from Power BI Desktop (Local)
- Refresh a dataset created from Power BI Desktop (Cloud)
- Disable privacy setting

Fee Structure: INR 15,000

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