Here's a structured **Power BI for Data Analysis** course outline:

**Power BI for Data Analysis Course Outline**

**Module 1: Introduction to Power BI**

* Overview of Business Intelligence & Data Analysis
* Introduction to Power BI & its components
* Power BI Desktop vs. Power BI Service
* Installing & Setting Up Power BI

**Module 2: Connecting & Transforming Data with Power Query**

* Data Sources & Connectivity Options
* Importing Data (Excel, SQL, CSV, Web, APIs, etc.)
* Data Transformation & Cleaning using Power Query
* Handling Missing Values & Duplicates
* Data Types & Formatting

**Module 3: Data Modeling & Relationships**

* Introduction to Data Modeling
* Creating Relationships between Tables
* Star vs. Snowflake Schema
* Creating & Using Calculated Columns
* Optimizing Model Performance

**Module 4: DAX (Data Analysis Expressions)**

* Introduction to DAX
* Measures vs. Calculated Columns
* Common DAX Functions (SUM, AVERAGE, COUNT, etc.)
* Advanced DAX Functions (FILTER, CALCULATE, RANKX, etc.)
* Time Intelligence Functions

**Module 5: Data Visualization & Reports**

* Power BI Visualizations Overview
* Creating & Customizing Charts (Bar, Line, Pie, etc.)
* Using Maps & Advanced Visuals
* Conditional Formatting & Tooltips
* Custom Visuals & AI-powered Insights

**Module 6: Advanced Analytics & Interactivity**

* Adding Drill-Through & Drill-Down Features
* Creating Bookmarks & Buttons
* What-If Analysis & Forecasting
* Clustering & Key Influencers
* Integrating Python & R for Advanced Analytics

**Module 7: Power BI Service & Sharing Reports**

* Publishing to Power BI Service
* Creating & Managing Dashboards
* Scheduling Data Refresh
* Power BI Apps & Workspaces
* Sharing Reports & Access Control

**Module 8: Power BI Automation & Integration**

* Power Automate & Power BI Integration
* Embedding Power BI Reports in Web Apps
* Power BI & Microsoft Teams
* Connecting Power BI with Other Microsoft Tools (Excel, PowerPoint, etc.)

**Module 9: Performance Optimization & Best Practices**

* Optimizing Data Models for Performance
* Reducing Report Load Time
* Managing Large Datasets
* Best Practices in Data Modeling & Visualization

**Module 10: Case Studies & Hands-On Projects**

* Real-World Business Scenarios
* Building an End-to-End Dashboard
* Capstone Project: Creating a Power BI Solution for a Business Problem

Would you like this outline tailored to a specific industry (e.g., finance, healthcare, marketing)? 🚀