



Introduction to Power BI

Microsoft Power BI is a self-service business intelligence platform that transforms raw data into interactive, visually compelling reports and dashboards. It combines desktop and web-based applications for connecting, modeling, and visualizing data from virtually any source.

Key Features of Power BI



Connect & Transform

Access data from virtually anywhere—databases, flat files, web, cloud services, folders—and create fully automated workflows to extract, transform, and load millions of rows of data for analysis.



Relational Models

Create table relationships to analyze holistic performance across an entire relational data model, blending data from multiple sources seamlessly.



DAX Calculations

Enhance datasets and enable advanced analytics with powerful Data Analysis Expressions (DAX) to define complex calculations.



Interactive Reports

Bring data to life with professional-quality reports and dashboards using best-in-class visualization tools that make insights accessible.



In-Demand Skills

Power BI is the industry leader in self-service BI, and the skills you build are highly transferrable across organizations and industries.



Why We Use Power BI

O1

Data Visualization

Transform raw data into interactive and visually appealing reports and dashboards that make complex data easy to understand.

O2

Seamless Integration

Integrate with various data sources like Excel, SQL Server, cloud services, and more, consolidating data from different platforms.

O3

Business Intelligence

Gain insights into business performance, track key metrics, and make data-driven decisions with confidence.

O1

Real-time Data

Connect to real-time data sources to ensure your reports and dashboards reflect the most up-to-date information available.

O2

User-Friendly Interface

The intuitive interface makes it accessible for users of all skill levels, from beginners to advanced analysts.



Excel vs. Power BI

Excel Features

- Spreadsheet functionality
- Pivot Tables
- AI Notation
- Cell Formulas

Shared Capabilities

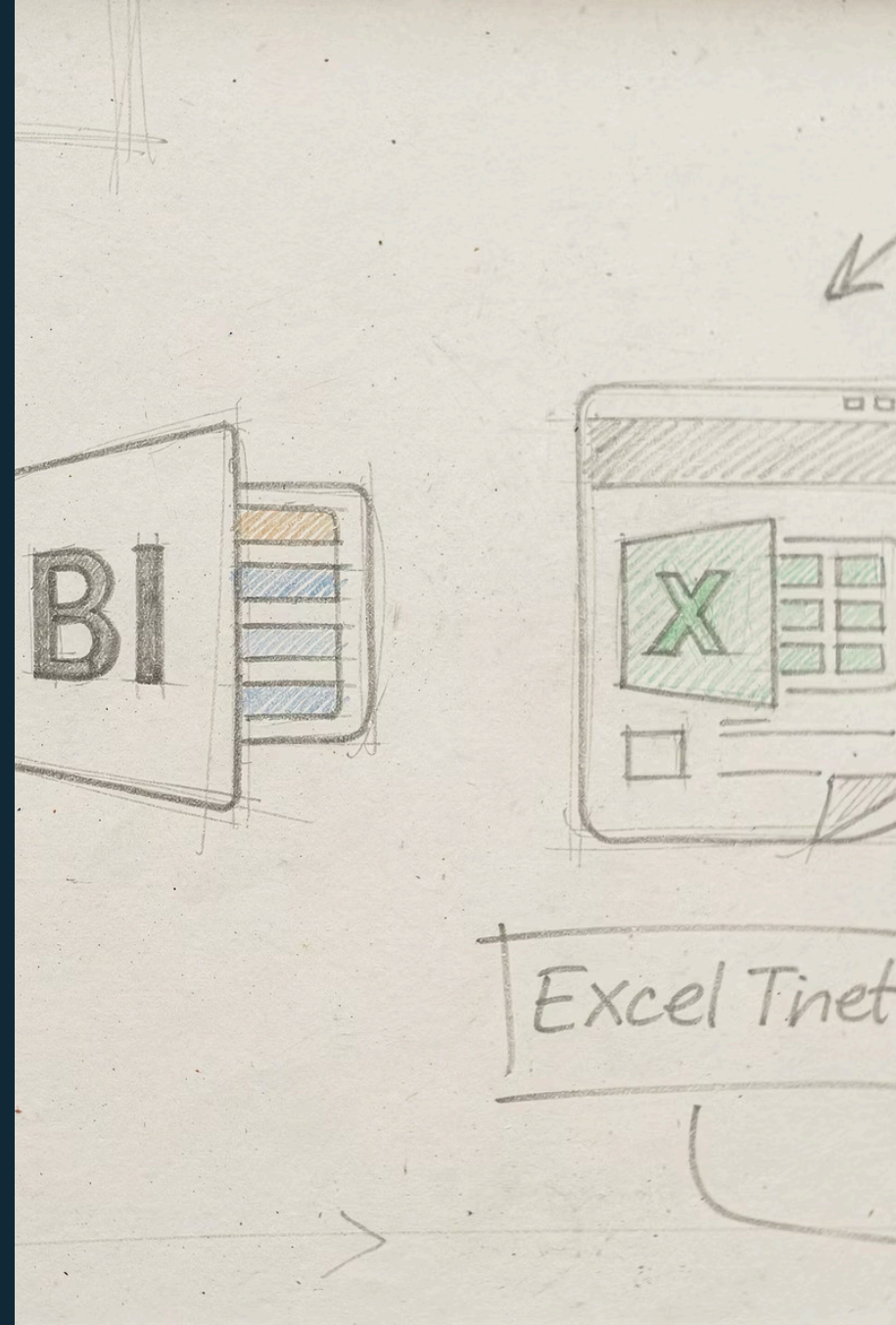
- Power Query
- Data Model
- DAX expressions

📌 Built on the same analytics engines

Power BI Features

- Report View
- Custom Visuals
- Interactive Dashboard
- Power BI Services

Excel and Power BI are built on top of the same analytics engines. Power BI takes the same data transformation and modeling capabilities and adds powerful visualization and publishing tools. Transitioning is easy—you can import an entire data model directly from Excel!



Getting Started with Power BI



Installation & Setup

Download and install Power BI Desktop to begin your journey into business intelligence and data visualization.



Navigate the Interface

Familiarize yourself with Power BI Desktop's intuitive interface and understand the flow of data through the platform.



Learn the Architecture

Understand Power BI's architecture and building blocks to create powerful, scalable analytics solutions.



Build Projects

Apply your knowledge with hands-on project ideas that demonstrate real-world business intelligence applications.

"Images Speak Better than Words."

