



Power BI Workshop

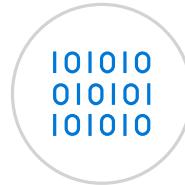
Mar. 2019 | Andrea Benedetti

Power BI



Transforming with data

The Business Analyst role



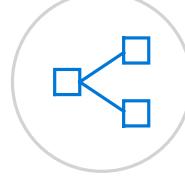
Get data



Analyze



Visualize



Publish



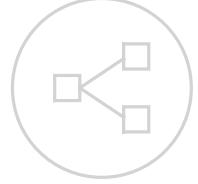
Collaborate



Power BI Desktop is a **free companion authoring tool** for the Power BI service, updated monthly with new features

Get data

Easily connect, clean, and mashup data



Connect to 80+ data sources,
both on-premises and cloud

Shape, transform, and clean
data for analysis

Live connectivity to on-premises
and cloud data sources

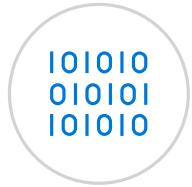
Extend with custom data
connectors for any data source

Prep your data using the
familiar Power Query experience
on the web



Self-service prep for big data

Ingest, transform & integrate big data with Power BI



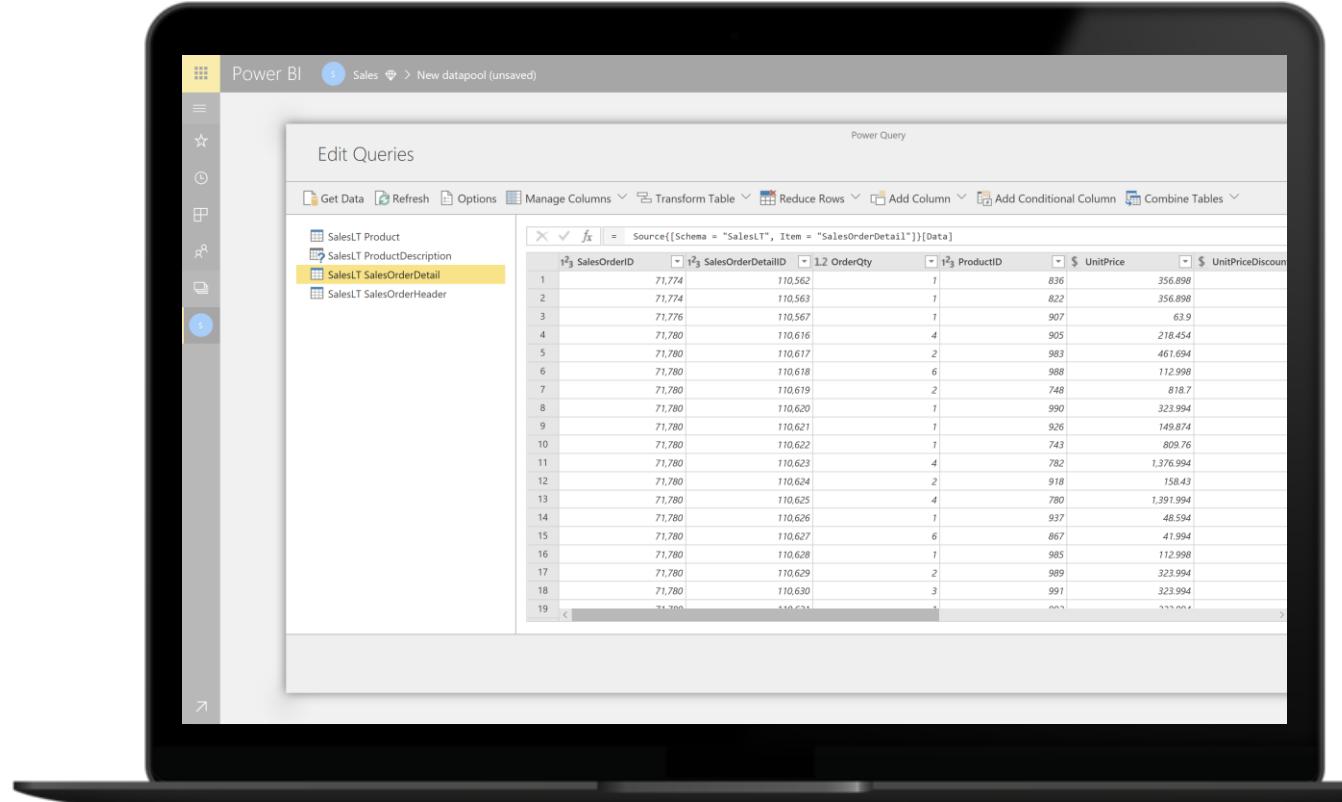
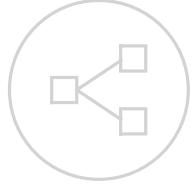
Prep your data using the familiar Power Query experience



Get started quickly with a common data model



Extend self-service prep to Azure Data Lake Storage



The image shows the Microsoft Power BI desktop application. A central window titled "Edit Queries" displays a data preview of a table named "SalesLT SalesOrderDetail". The table has columns: SalesOrderID, SalesOrderDetailID, OrderQty, ProductID, UnitPrice, and UnitPriceDiscount. The preview shows 19 rows of sample data from a schema named "SalesLT", item "SalesOrderDetail". The Power BI ribbon menu is visible at the top, showing options like "Get Data", "Refresh", and "Manage Columns". The overall interface is clean and modern, designed for data preparation and integration.

Analyze

Build powerful models and flexible measures



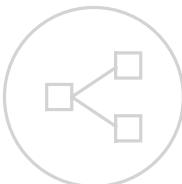
Automatically created model
when connecting to data



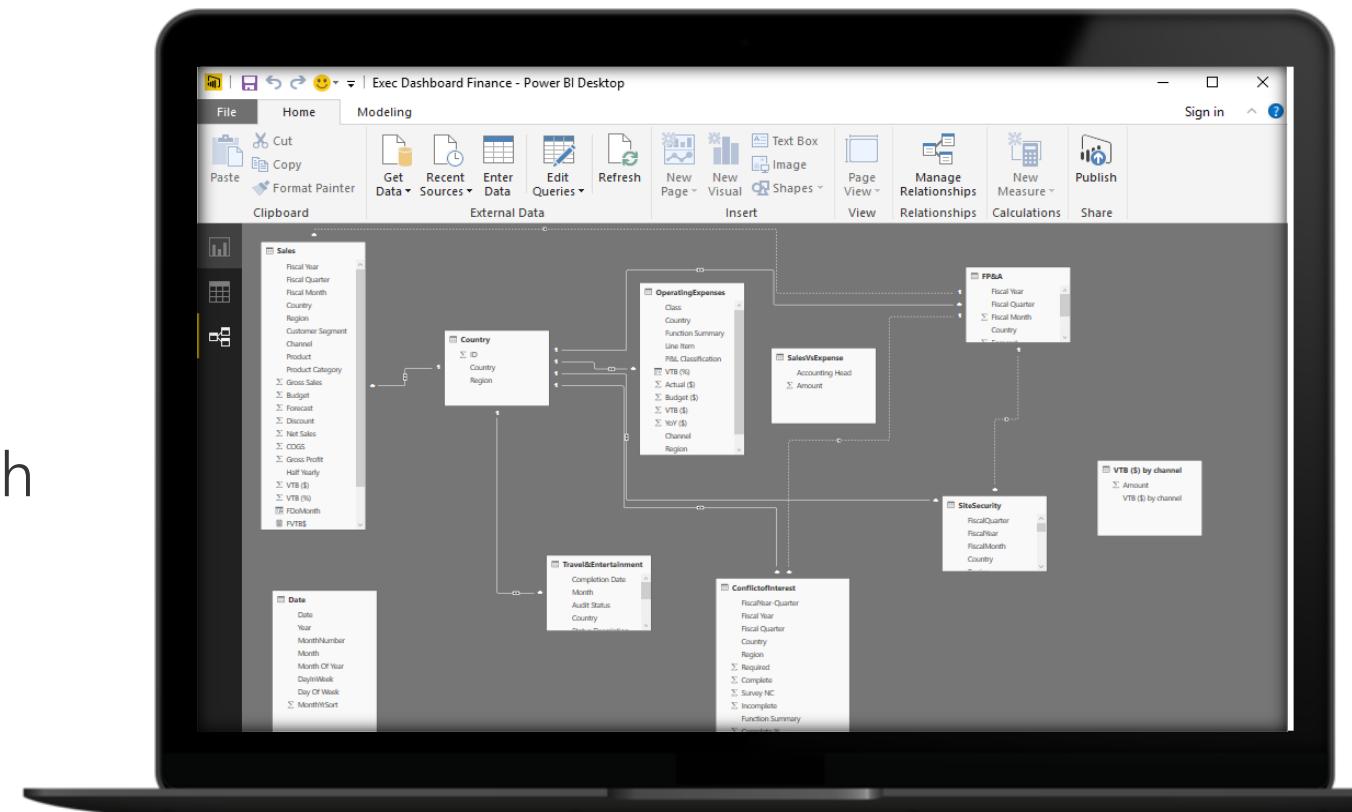
High-performance,
in-memory engine



Point and click analysis with
Quick Measures, Clustering,
and Binning



Create powerful measures with
familiar DAX formulas



Visualize

Create stunning interactive reports



Author reports using 150+ visualizations via a drag-and-drop canvas



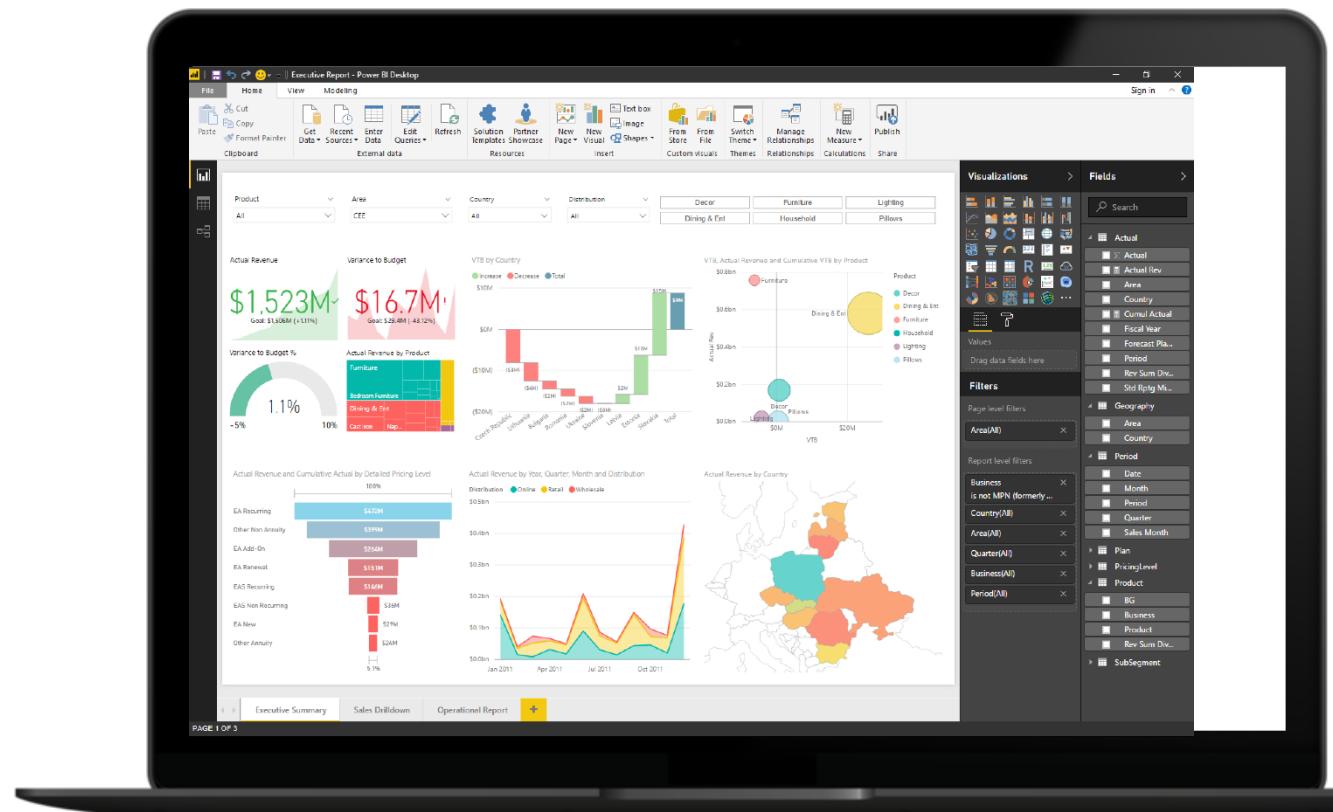
Explore data across multiple interactive visualizations



Provide insights in the context of your business with Custom Visuals

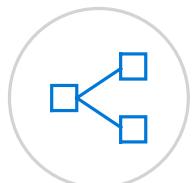


Visualize your data story with bookmarks and custom navigation



Publish

Share insights with others



Publish directly to the cloud or on-premises

Automatic data refresh, so your reports are always up to date

Package your reports in apps for easy consumption and control

Manage your analytics content with admin and governance tools



Collaborate

Empower your organization



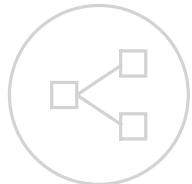
Provide access to reports and dashboards anywhere on any device



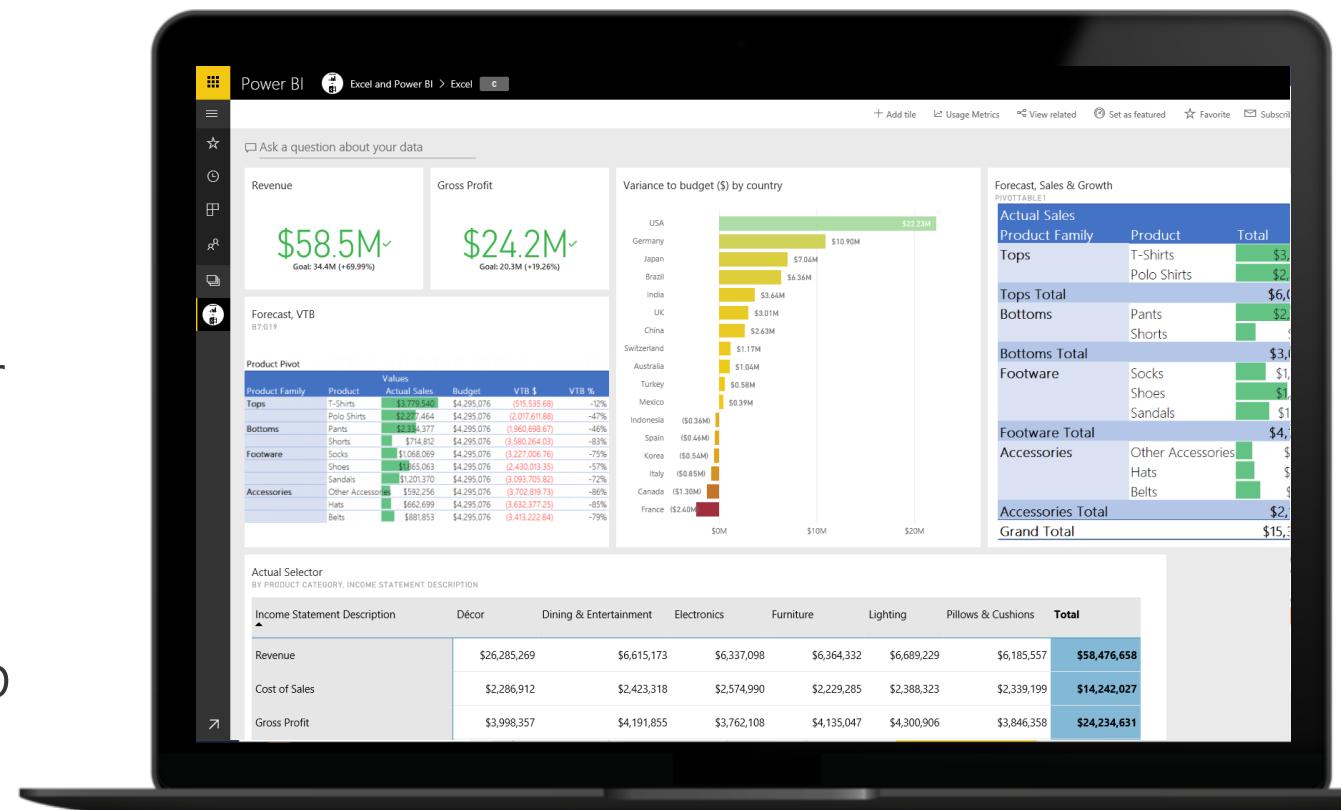
Enable users to ask questions and automatically discover insights from the data



Deliver insights through other services such as SharePoint and Teams



Connect live to your models in Excel and Power BI Desktop



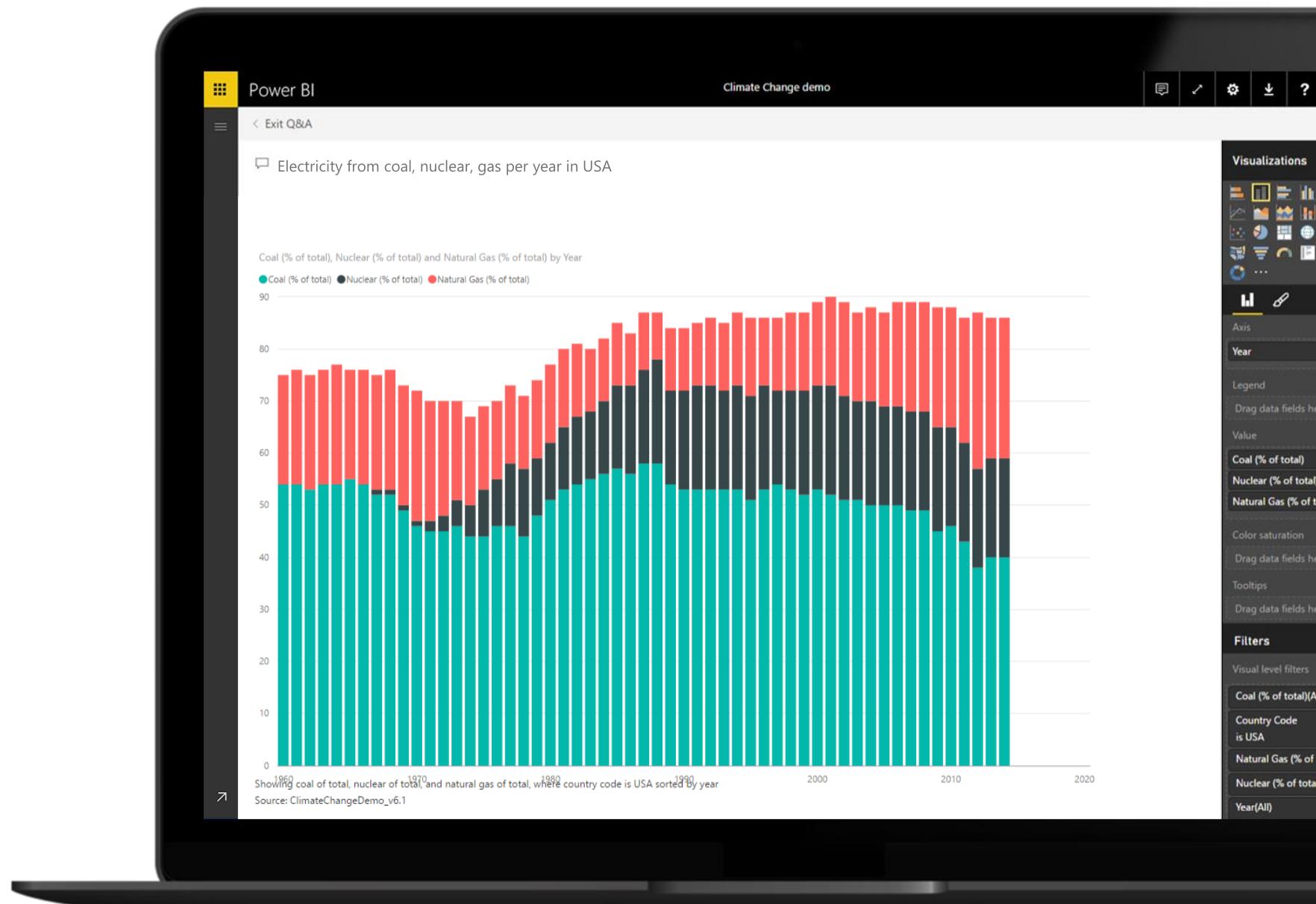
Get started in minutes

The image shows a tablet displaying a complex Power BI dashboard. The dashboard is organized into several sections:

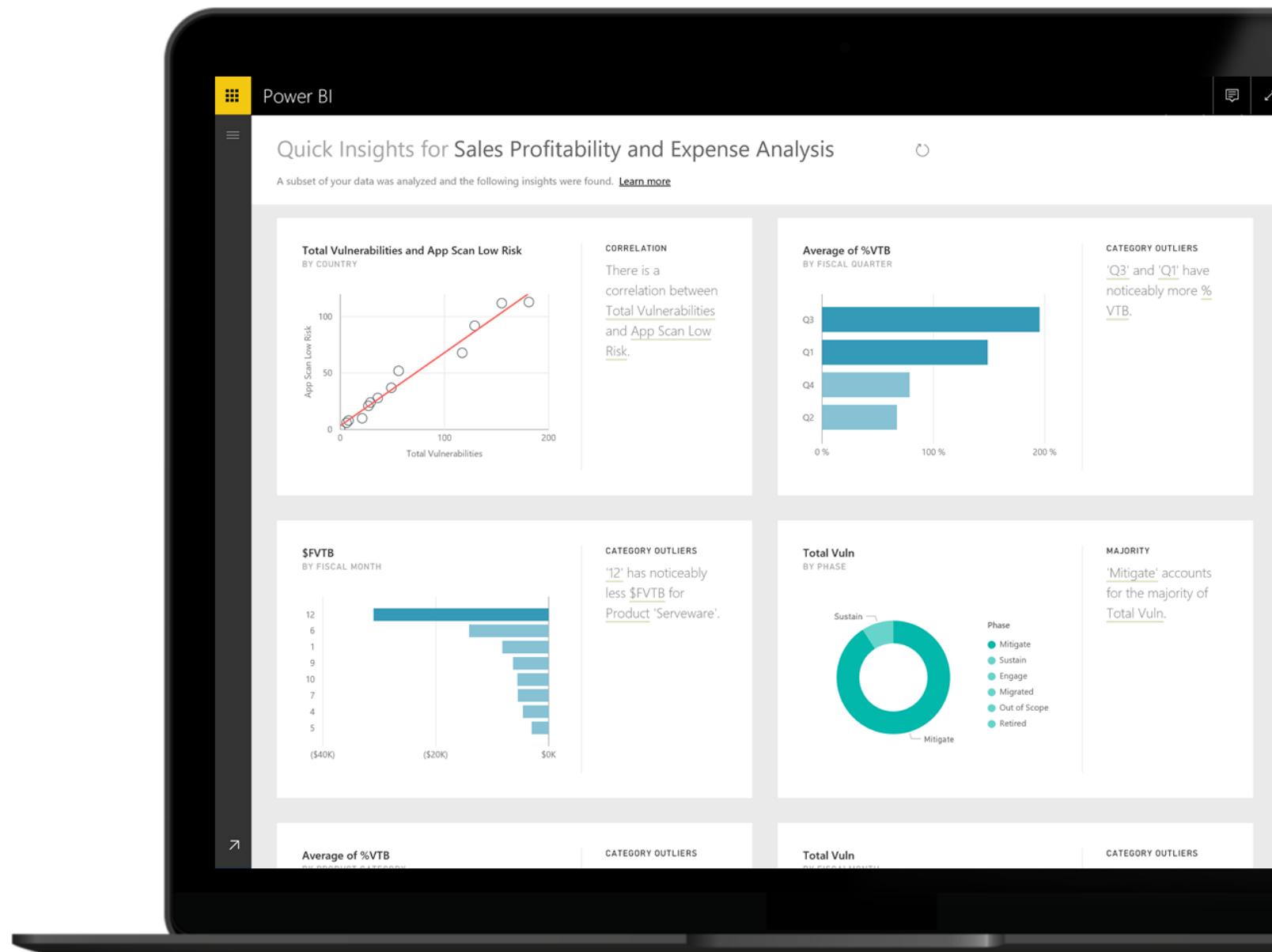
- Top Row:** Marketing (with a globe icon), Operations (with a gear icon), Finance (with a bar chart icon).
- Middle Row:** KPI (with a blue background), followed by four cards: Campaign revenue vs target (\$38.62M), Current month direct campaign r... (\$979,830), Turnover (8.2%), Cost of goods sold (\$528M), VTB (\$53.08M), Gross profit and net sales (\$245M).
- Bottom Row:** Return on investment by campaign tactic (Email: 41.4%, Event: 20.2%, Media Placements: 7.5%, Social: 39.1%, TV: 17.8%), Order, returns and inventory quantity trend (line chart showing Order quantity, Return quantity, and Inventory quantity from Jan to Nov), Store and warehouse demand (world map with red and green dots indicating demand levels), Unique visitors by customer segment and conversation (Treemap chart showing visitor segments like Baby Boomers, Gen Y, Gen X, Gen Z across platforms like Blogs, Facebook, Forum, Twitter), and Cost vs revenue % by product (Bubble chart showing cost percentages for various products like Dining Furniture, Bedroom Furniture, Outdoor Furniture, Platters, Vases).

A large blue vertical bar on the left side of the screen is labeled "DEEP DIVE".

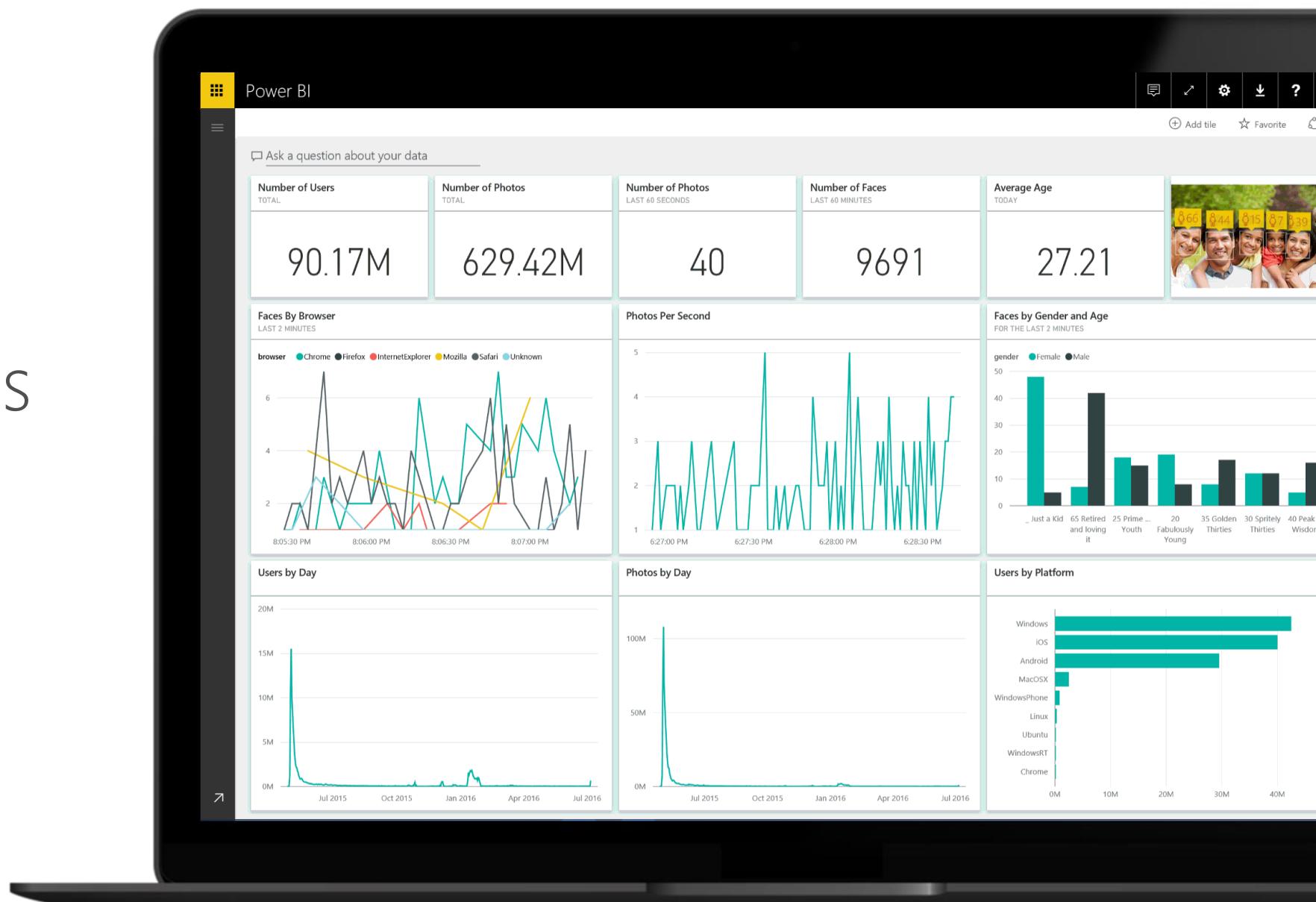
Ask questions of your data



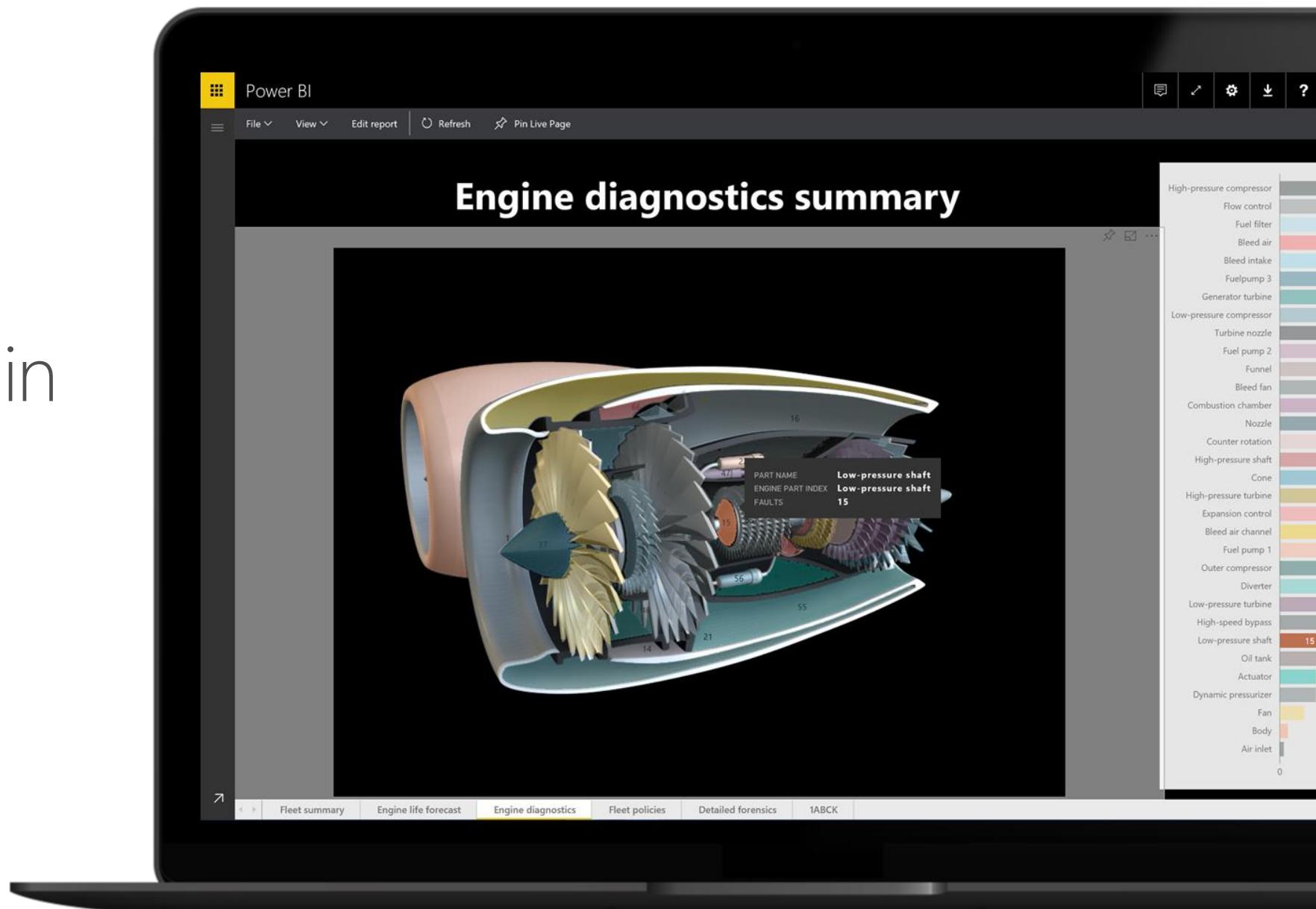
Automatically discover insights from your data



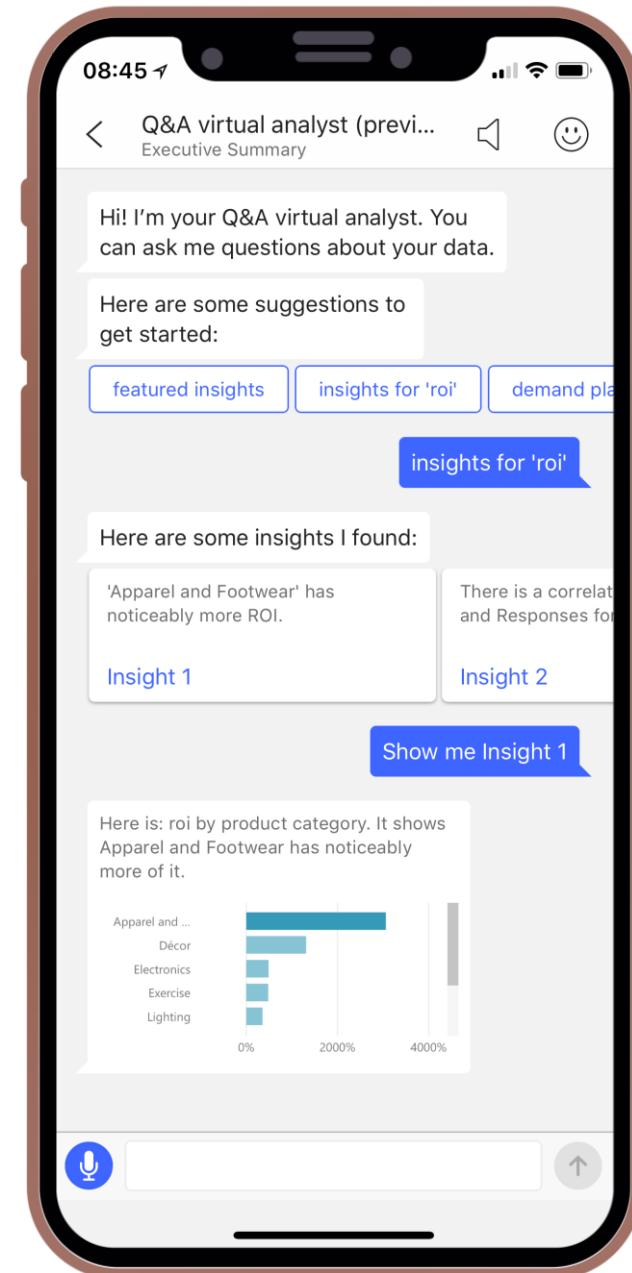
Run your business in real time with live dashboards



Visualize insights in
the context of
your business



Stay connected to your data on the go



Data analysis and
report authoring

Create powerful reports with Power BI Desktop

Discovery & exploration

Easy report authoring

Custom visualizations

R integration



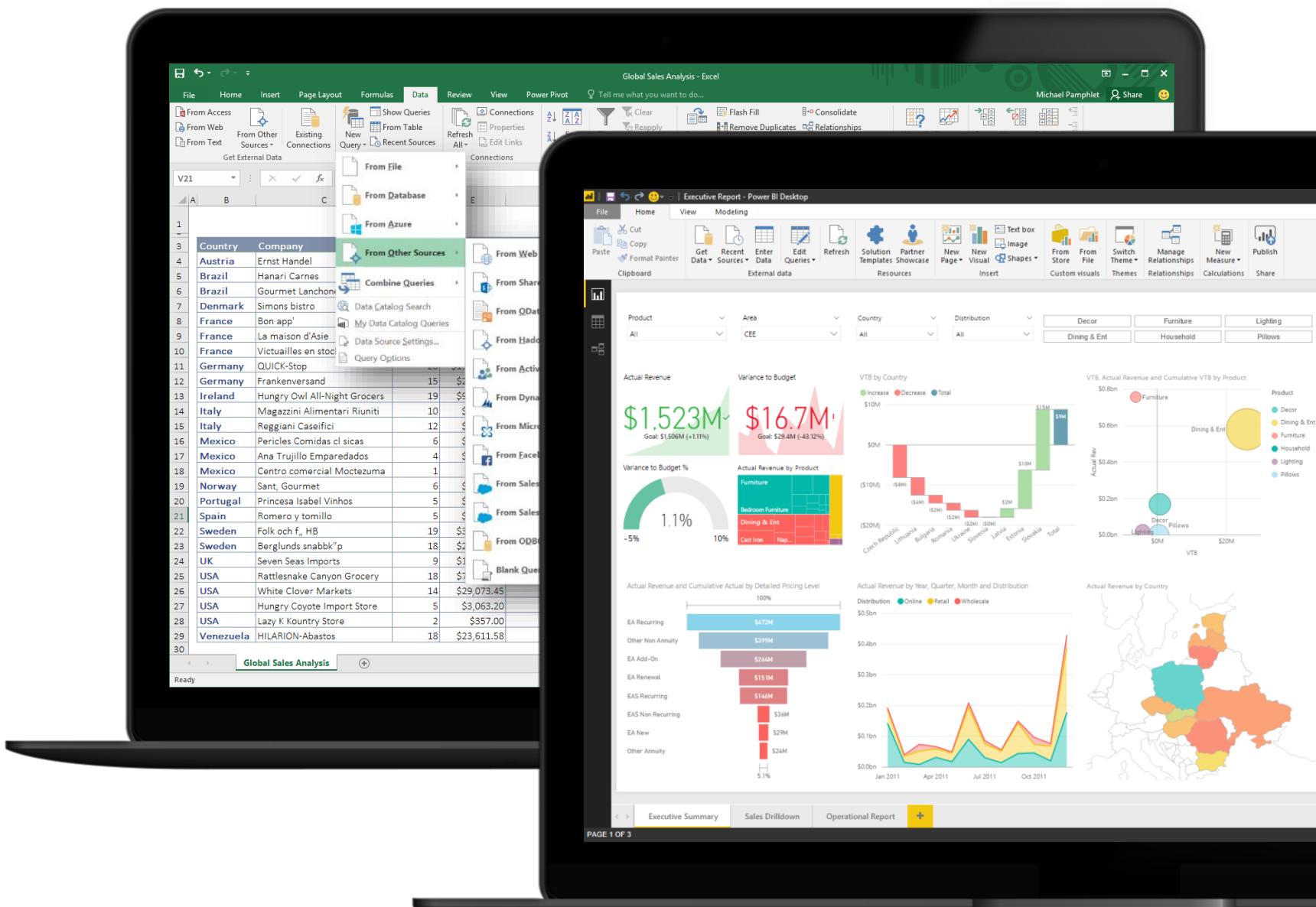
Powerful self-service analysis

Power BI Desktop

Visual drag-and-drop data exploration and interactive reporting

Excel

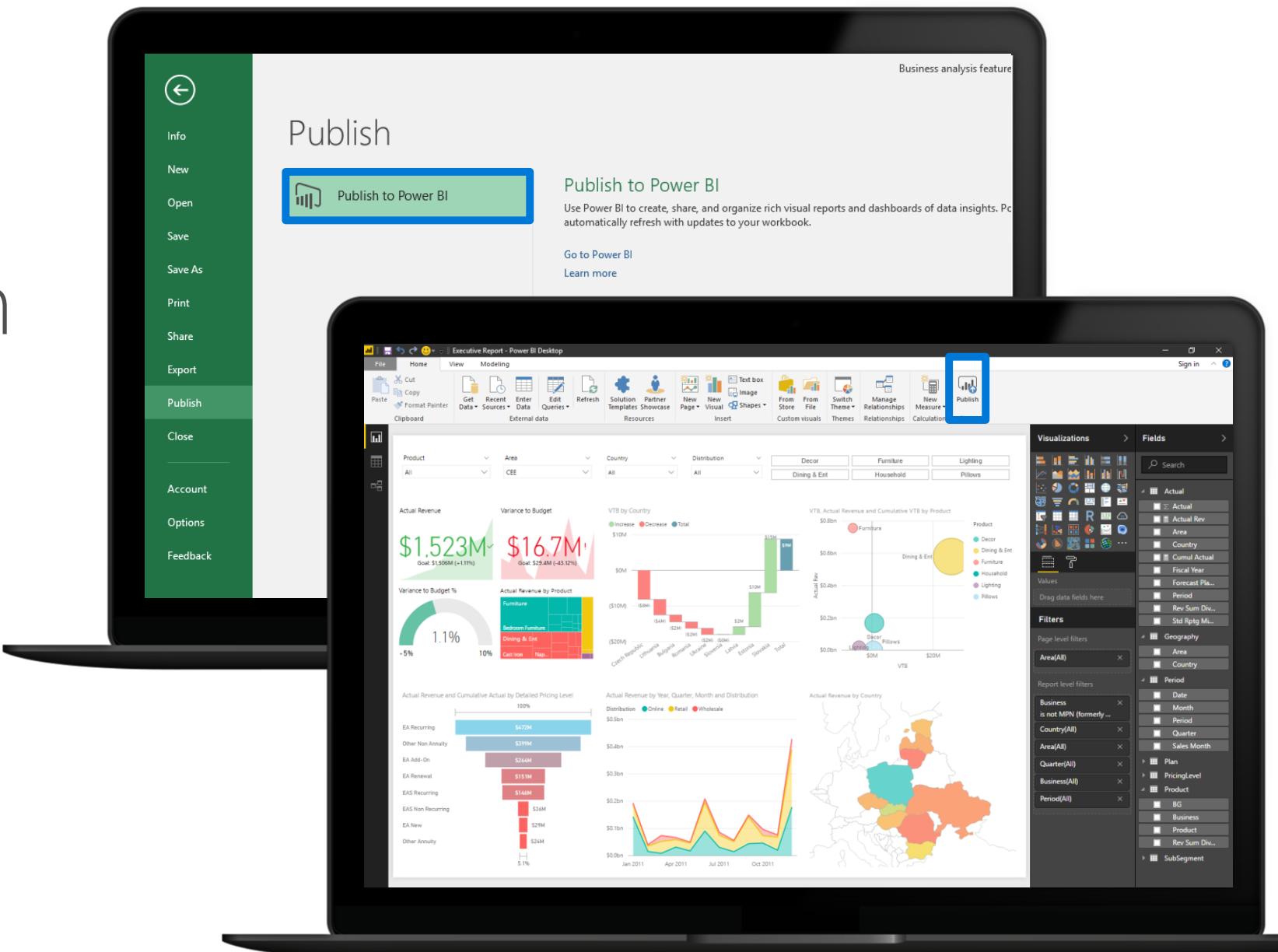
Ad-hoc analysis for blending structured and unstructured data



One-click publish to Power BI

Power BI Desktop
Publish button on the ribbon

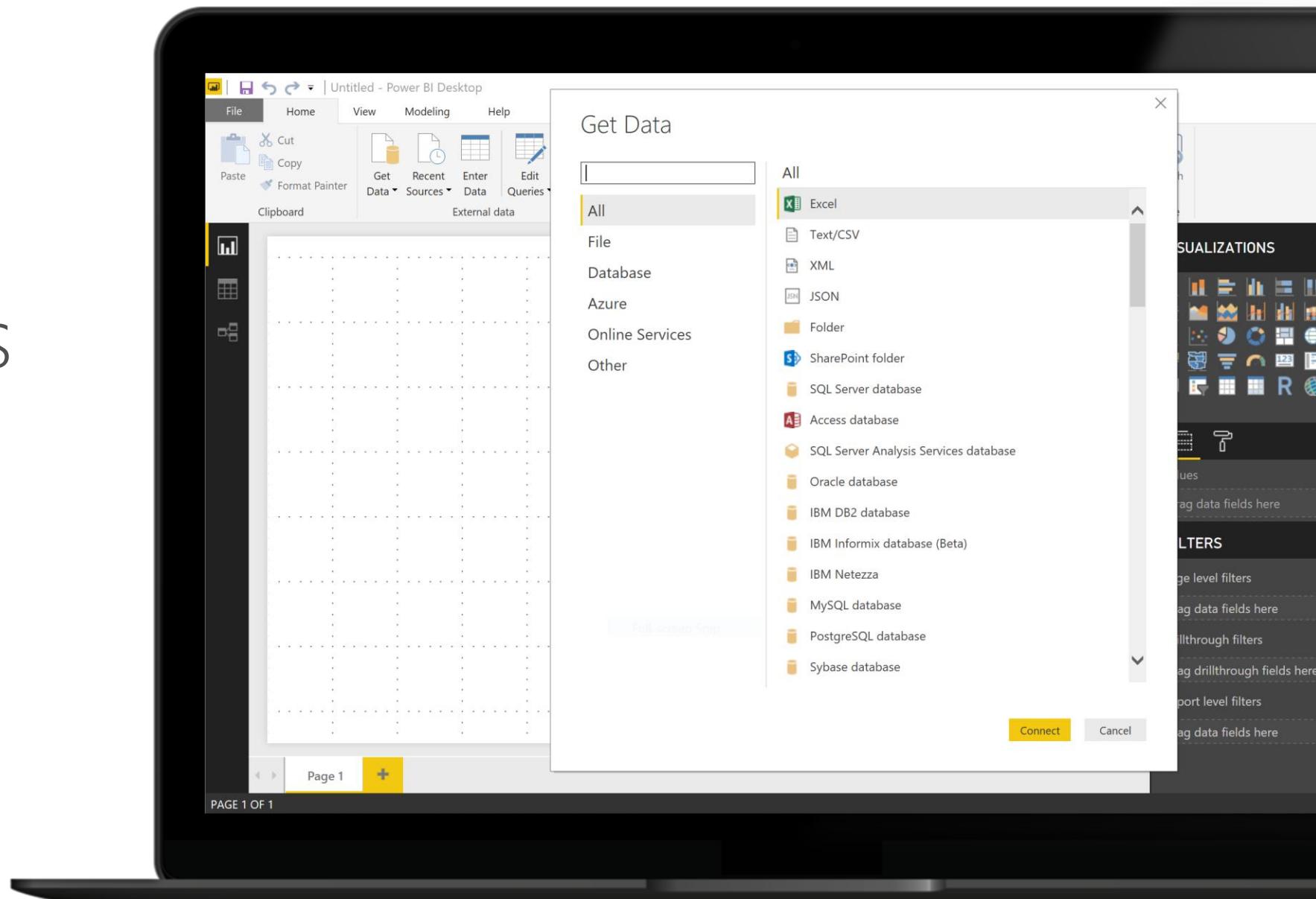
Excel
Publish to Power BI button



Connect to all your data, wherever it lives

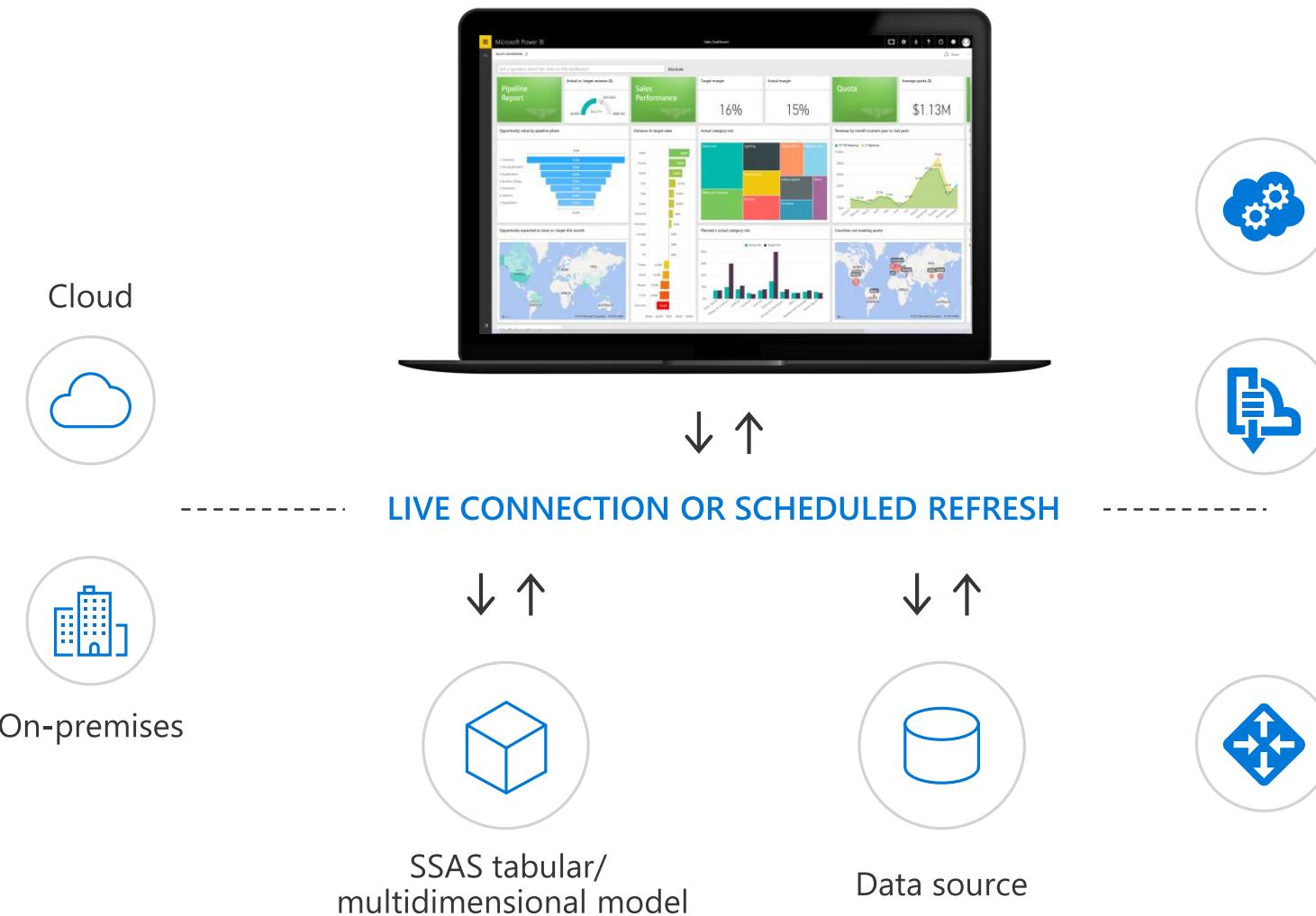
Over 80+ data sources
and growing

In the cloud, on-premises,
or both (hybrid)



Support hybrid data

LIVE POWER BI REPORTS & DASHBOARDS



Demo

Power BI



Thank you.