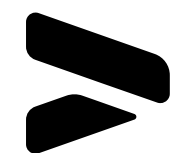




Power BI

Power BI

Introduction



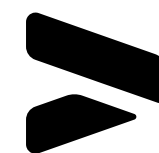


What is Power BI?



Power BI is a **business analytics solution**.

It allows you to visualize data and to share information and that it can be connected to hundreds of data sources, and you can use it to create dashboards and reports.



File

Home

Insert

Modeling

View

Help

Paste

Cut

Copy

Format painter

Get data

Excel

Power BI datasets

SQL Server

Enter data

Recent sources

Transform data

Refresh

New visual

Text box

More visuals

New measure

Quick measure

Publish

Clipboard

Data

Queries

Insert

Calculations

Share

OVERVIEW

Sales Report

Key influencers

Top segments

What influences NSAT to be 7

When...
UnitPrice is 298 - 299.9 → 10.20x
UnitPrice is 196.9 - 199 → 6.58x
Manufacturer is Litware, Inc. → 2.64x
Color is Brown → 2.57x
StockType is High → 1.96x
Manufacturer is Contoso, Ltd → 1.34x
Color is Silver → 1.29x

...the likelihood of NSAT being 7 increases by

\$5.3M

Australia

\$5.3M

Canada

\$2.6M

France

\$2.3M

Germany

\$3.3M

UK

\$21.8M

USA

Units by Country and Sales Size

Units Sold by Year, Quarter and Manufacturer

Sales Amount by Brand Name

Sales Amount by Year, Month and Brand Name

Overview

Visualizations

Filters

Values

Add data fields here

Drill through

Cross-report

Off

Keep all filters

Why Power BI?



- **Connect, transform and load millions of rows of data**

Access data from virtually anywhere (database tables, flat files, web, cloud services, folders, etc.), and create fully automated workflows to extract, transform and load data for analysis

- **Build relational models to blend data from multiple sources**

Create table relationships to analyze holistic performance across an entire relational data model

- **Define complex calculations using Data Analysis Expressions (DAX)**

Enhance datasets and enable advanced analytics with powerful and portable DAX expressions

- **Bring data to life with interactive reports and dashboards**

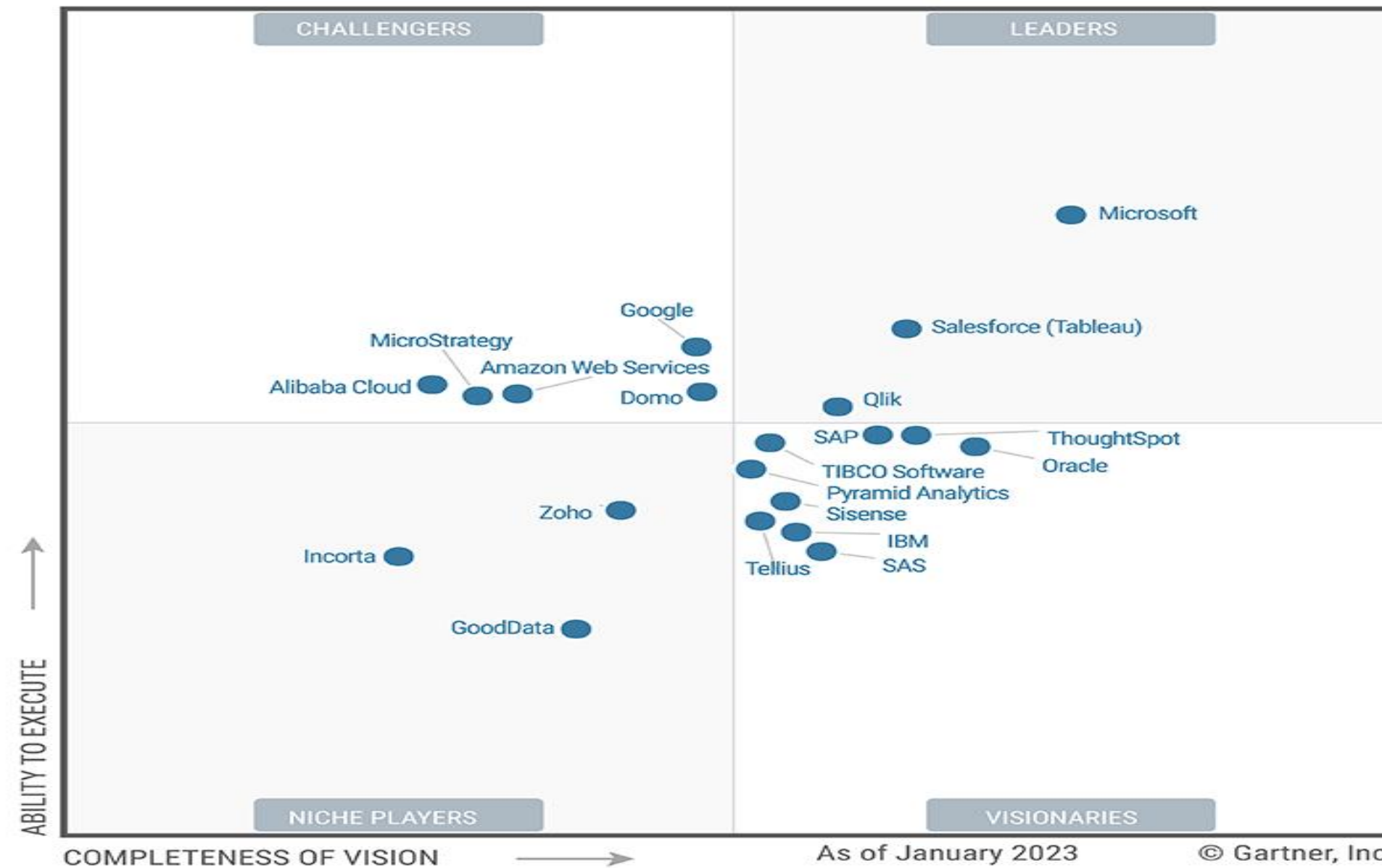
Build professional-quality reports and dashboards with best-in-class visualization tools

- **Develop a versatile, in-demand skill set**

Power BI is the industry leader in self-service BI, and the skills you build in this course will be highly transferrable

Why Power BI?

Figure 1: Magic Quadrant for Analytics and Business Intelligence Platforms



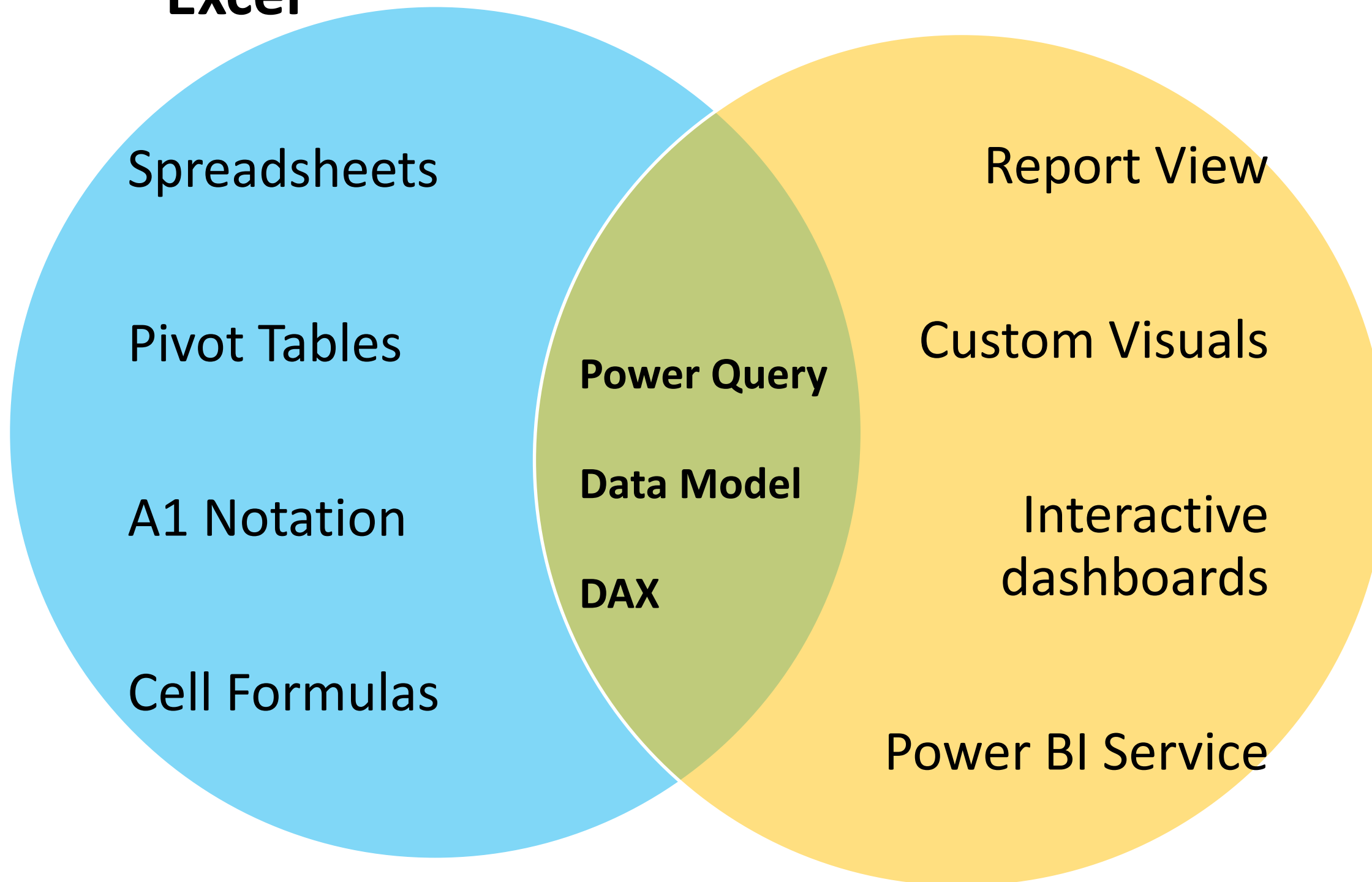
Source: Gartner

Excel Vs. Power BI



Excel

Power BI



Excel & Power BI are built on
Same **Analytics Engine**

- Power BI takes same data transformation & modelling capabilities & adds **Powerful visualization & Publishing tools**
- Transitioning is easy; you can import an entire Data model directly from Excel