Microsoft Power Bl

A Brief History & Overview



Brief History

2010 Power Query/Pivot

2011 Project Crescent

2013 Renamed to Power BI

2015 Power BI Desktop



Power BI: Introduction to **Business Analytics**

Why Power BI?

Many Data Sources

Powerful Data Engine

Huge Selection of Visualizations



Power BI: Introduction to **Business Analytics**

Powerful features for any user!

Robust Visualization Tool Extremely Customizable

Self-Service Data Analysis Tool Supports On-Prem & Cloud-based data

Cloud-Based Report Sharing Build star-schemas

Vast Support of Data Sources Data Measures

Powerful Data Query Engines Calculated Columns

Publish Dashboards to the Cloud ...much much more







Data Sources

Access

Excel

DB2

GitHub

DB2

And many more...





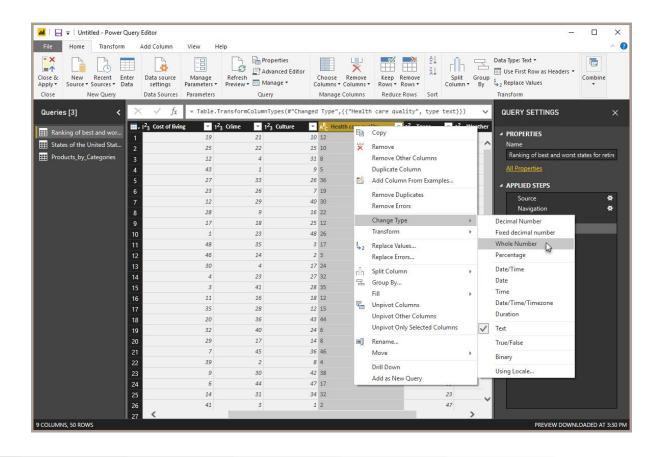
Data Engine

Relate Data

Calculated Columns

Measured Columns

Filter and Edit Data





Visualizations

Bar Graphs

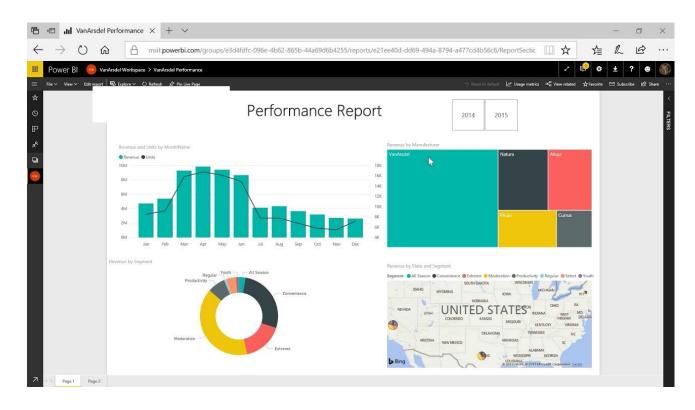
Waterfall Graphs

Pie Chart

Scatter Chart

3rd Party

Customizable





Power Components

Power Query

Power Pivot

Power View

Power Map

Power Q&A



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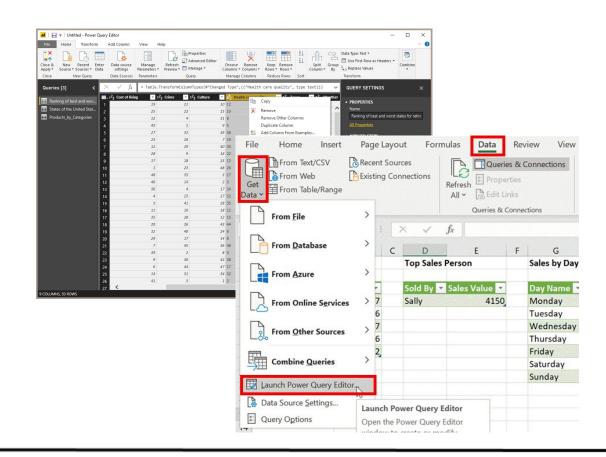
Power Query

Extract data from various sources

Transform data as needed for your usage

Extensive UI

Powered by M language





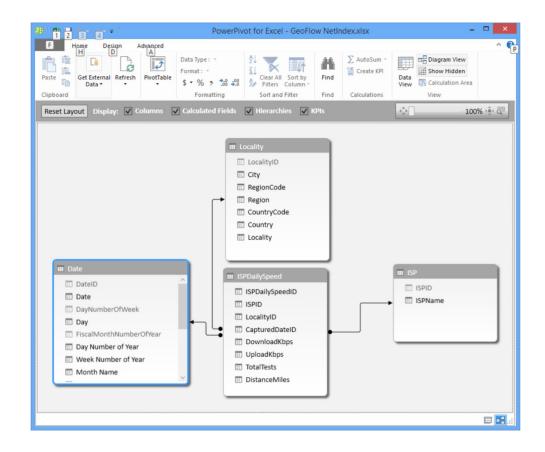
Power Pivot

Build relationships into data

Build measured columns

Create calculated columns

Powered by DAX





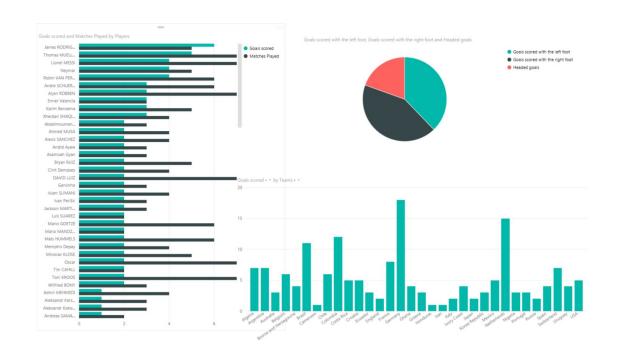
Power View

Connect to data sources

Fetch metadata for analysis

Filter data for a visual element

Interactive!



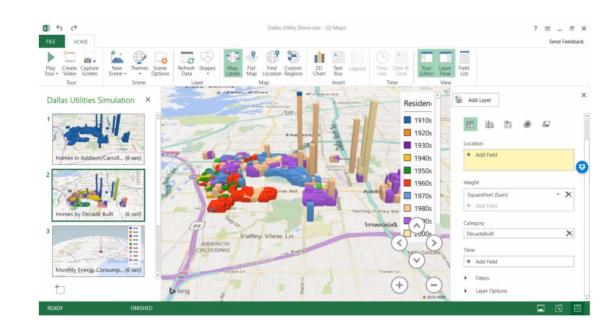


Power Map

3D Geospatial data visualization tool

Visualize geographical maps, heat maps based on address or GPS coordinates

Power by Bing Maps



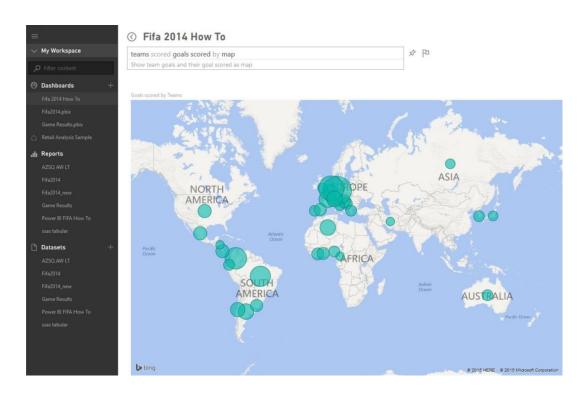


Power Q&A

Natural Language question and answering engine

Ask questions based on data

Creates visuals for questions





Power BI Applications

Power BI Desktop

Power BI Web

Power BI Mobile



Power BI: Introduction to Business Analytics

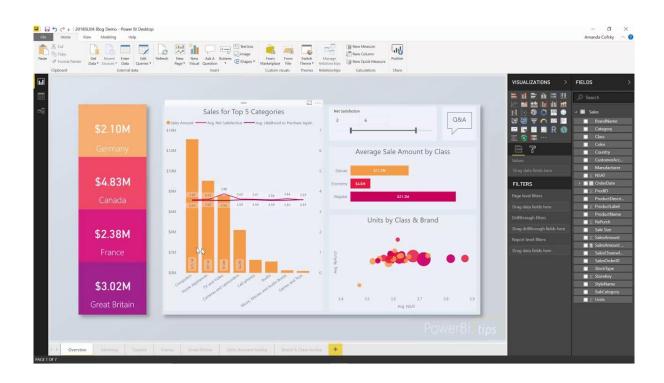
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