Microsoft Power Bl

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Agenda

- What is Power BI?
- Features
 - ► What can Power BI do?
 - How does it work?
- Demonstration
 - How to use it
- Benefits
- Learning Curve

What is Power BI?

- Business Intelligence (BI)
 - Technology-driven process for analyzing data and presenting information
- ► Power Bl

 - Fast and easy to use
 - Data discovery and exploration
 - Works on multiple devices
 - Connects to all types of data sources

What can Power BI Do?

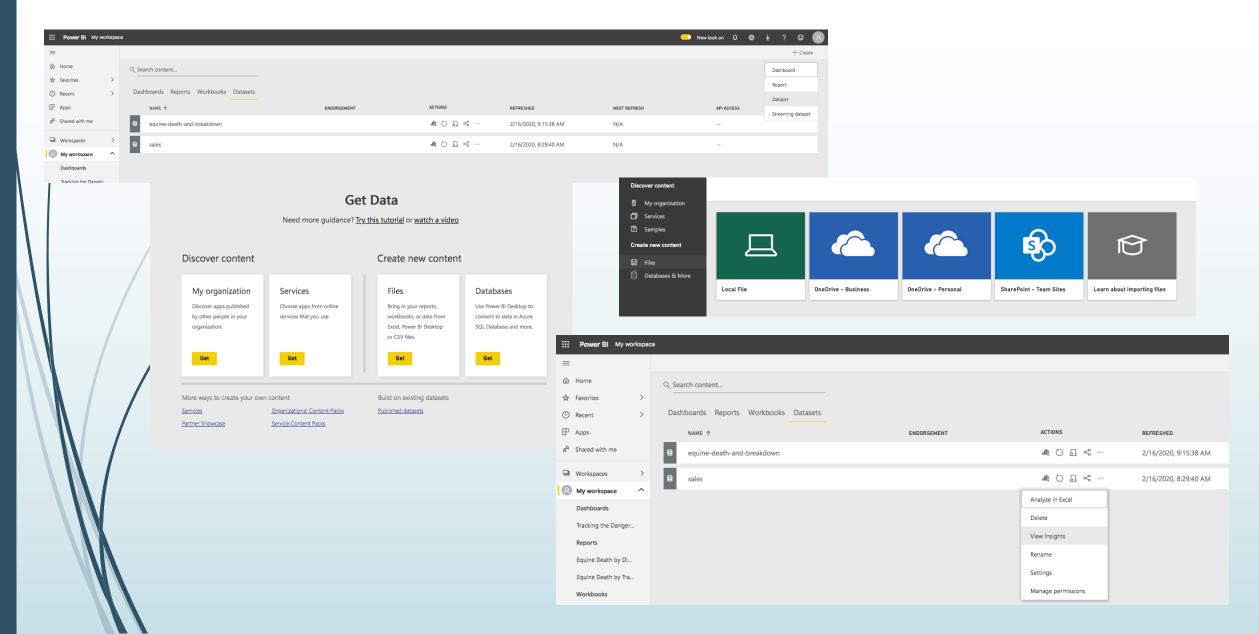
- Natural language querying
- Live dashboards
- Visualizations
- Reporting



How does it work

- Connect to data source(s)
- Provide initial insights
- Ask questions of your data
 - What is the average sales by region?
 - What is our best-selling product by sales representative?
- Can create live dashboard views with a scheduled data refresh
- Pin report graphs and insight graphs to dashboards
- ► Share dashboards

Data Source Connection



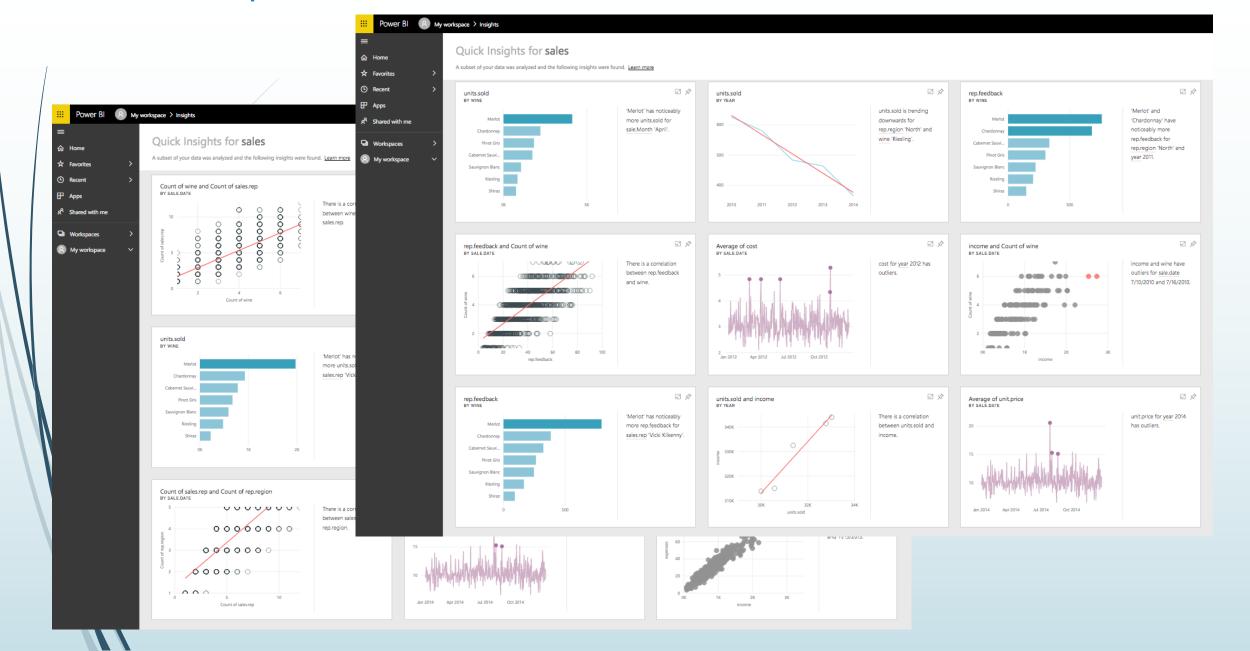
Data Sources

File	Database	Azure	SaaS	Other
 Excel CSV XML Text JSON Folder 	 SQL Server Database Access Database SQL Server Analysis Services Database Oracle Database IBM DB2 Database MySQL Database PostgreSQL Database Sybase Database Teradata Database 	 Microsoft Azure SQL Database Microsoft Azure Marketplace Microsoft Azure HDInsight Microsoft Azure Blob Storage Microsoft Azure Table Storage 	 appFigures QuickBooks Online Zendesk GitHub Twilio SweetIQ 	 Web SharePoint List OData Feed Hadoop File (HDFS) Active Directory Microsoft Exchange Dynamics CRM Online Facebook Google Analytics SAP Business Objects Bl Universe Salesforce Objects Salesforce Reports ODBC Query ODBC Tables

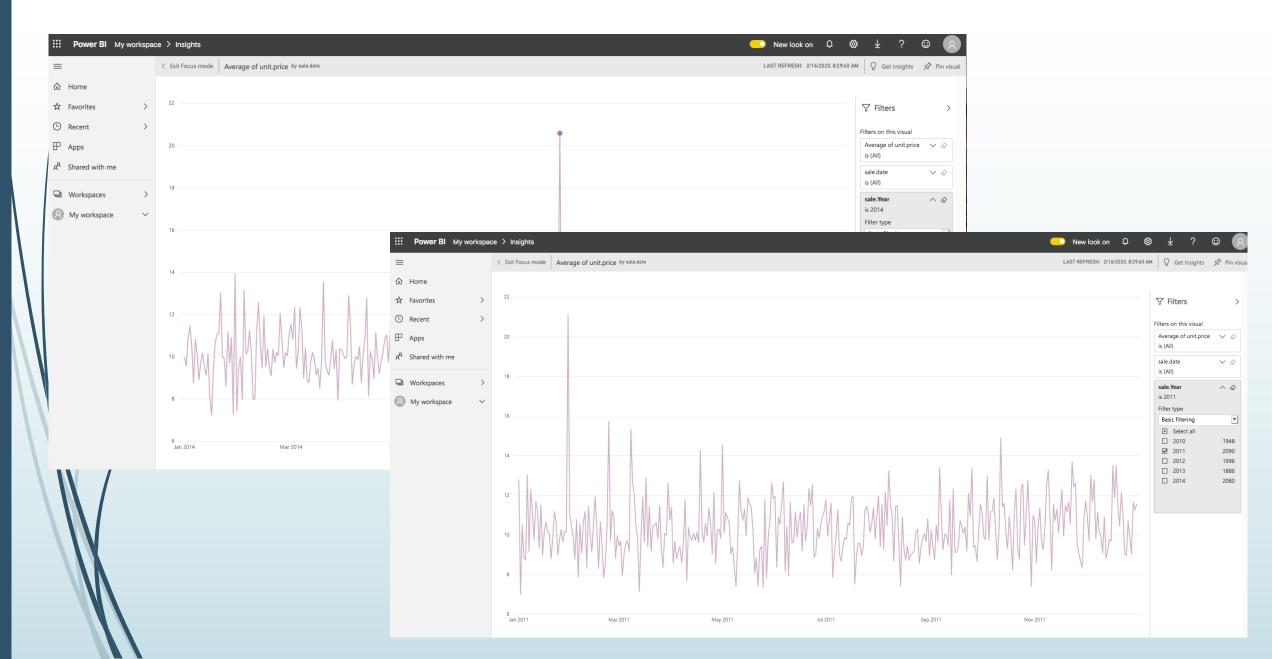
Data Preparation

- Data transformation
- Cleanse data removing errors
- Pivot columns/rows
- Modify table/row/column names
- Rémove data
- Build data relationships and adjust relationship types
- Uncover correlations, relationships within the data

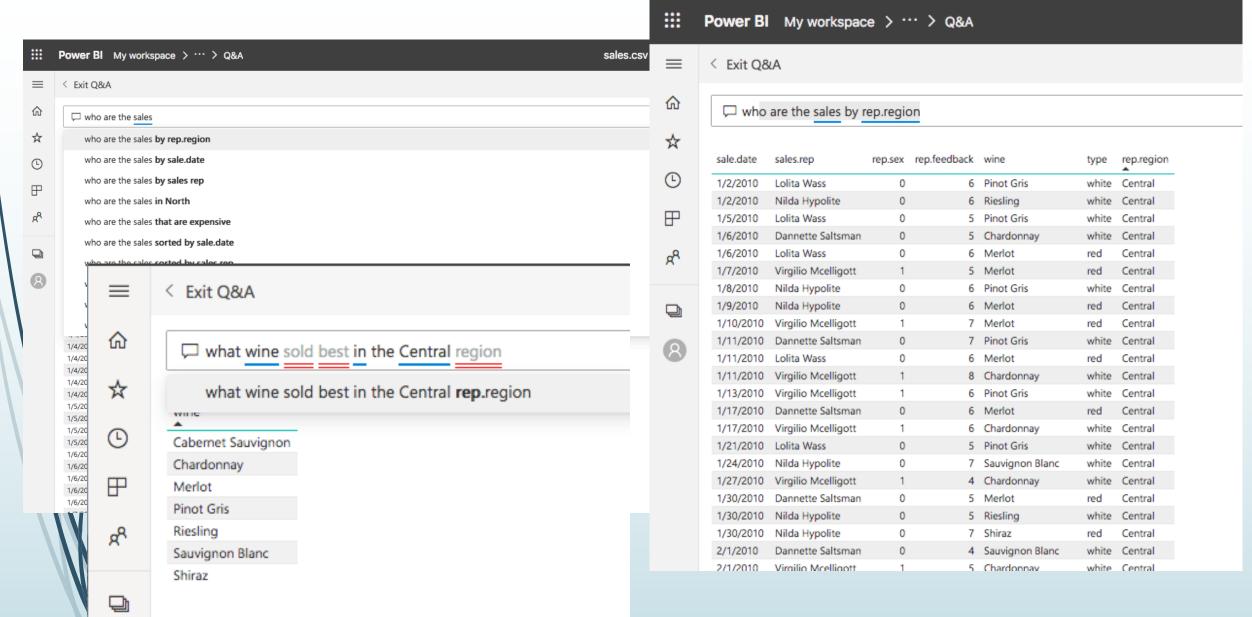
Data Exploration and Visualization



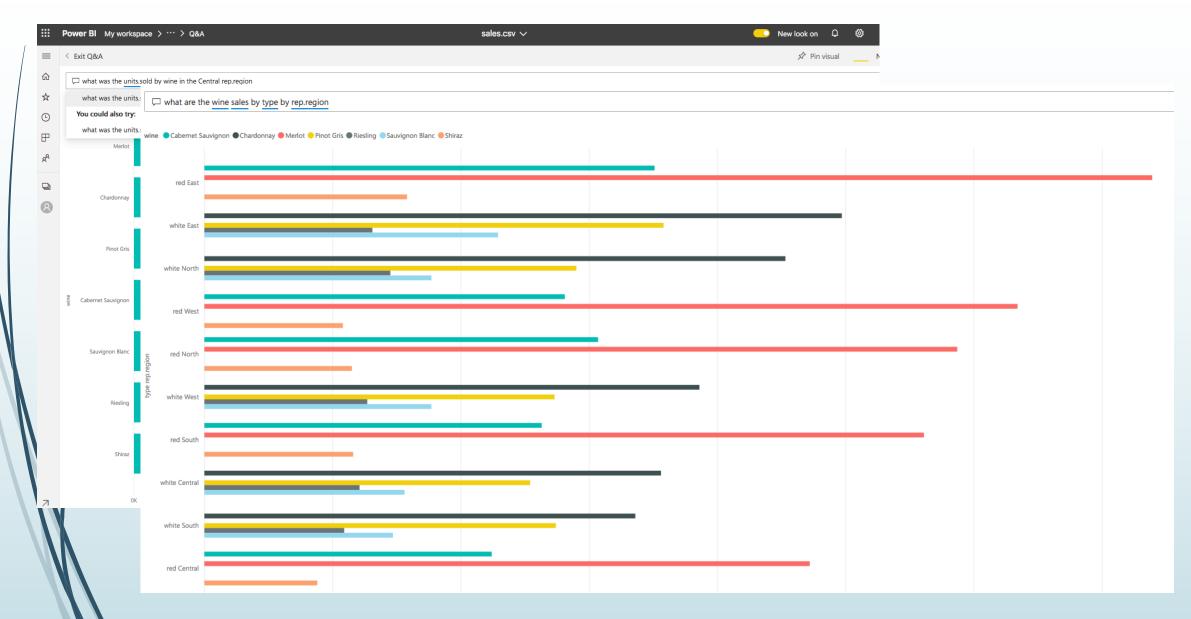
Focus View



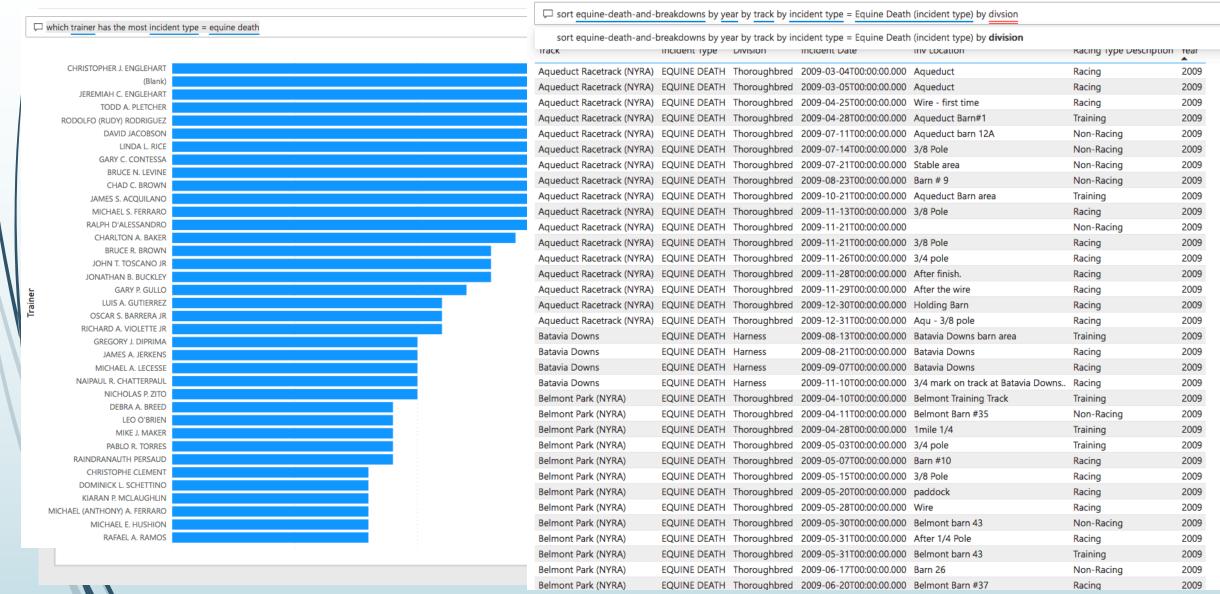
Asking Questions of Data



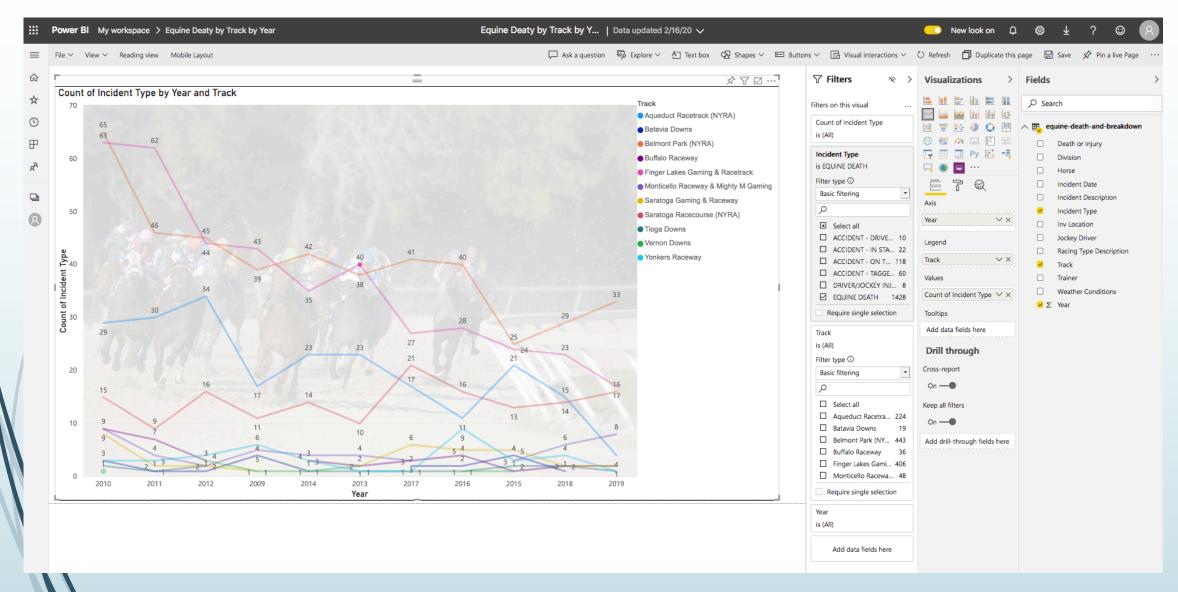
Questions with Graphed Answers



Building my Own Taking Advantage of the features

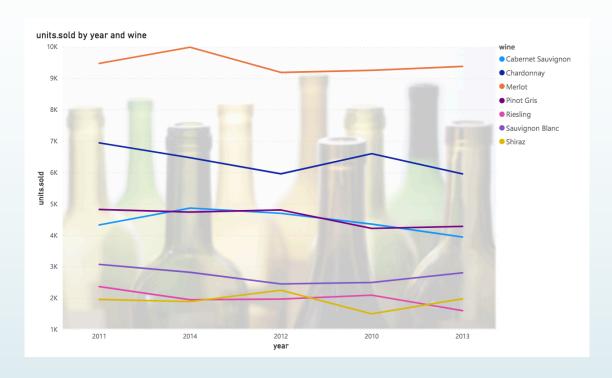


Building my Own Taking Advantage of the features



Demonstration

Yep, LIVE DEMONSTRATION



Benefits of Power BI

- Pre-built dashboards
- Real-time dashboard updates
- Secure data source connections
- Natural language query for intuitive data exploration
- Integrated with other Microsoft products

Learning Curve

- Quite simple to use
- I learned Power BI in less than 2 hours
- I found it easier and more intuitive than Tableau
- The ability to ask questions aided in speeding up the learning curve
- I was impressed

Thank you

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