Power BI

Humana Power BI

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About Mitchell

- Training Content Manager
- Pragmatic Works 7+ years
- Author
- Runs Power BI User Group
- Blogs at MitchellPearson.com

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Agenda *(times are approximate and will be fluid with the class)*

Day 1

Eastern Standard Time

10:00 AM – 10:30 AM	–	Introduction to Power BI and Power BI Desktop overview
10:30 AM – 11:00 AM	–	Power BI Desktop – Instructor Demo
11:00 AM – 12:00 PM	–	Power BI Desktop – Student Labs
12:00 PM – 01:00 PM	–	Lunch
01:00 PM – 03:00 PM	–	Power BI Desktop – Student Labs
03:00 PM – 05:00 PM	–	Q&A / Advanced Class

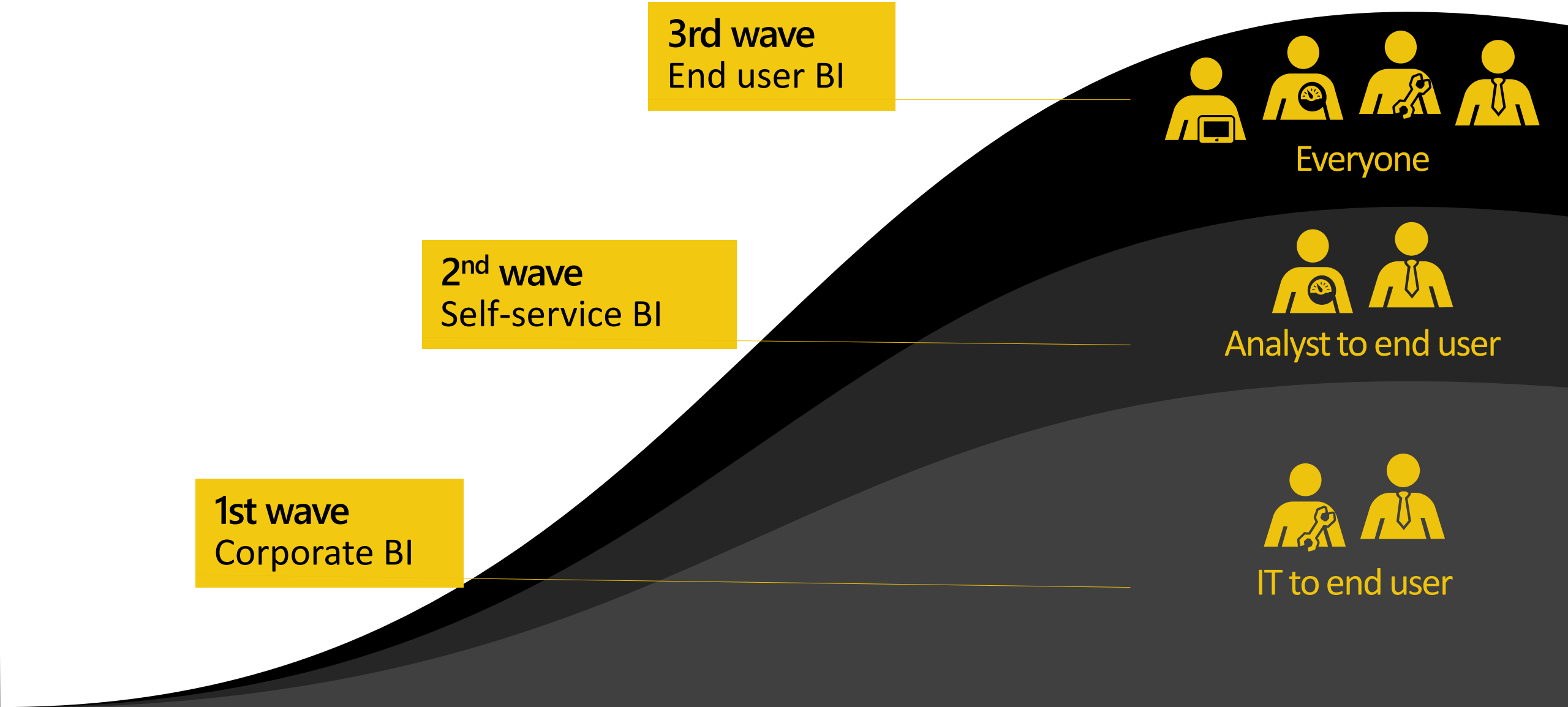
Agenda *(times are approximate and will be fluid with the class)*

Day 2

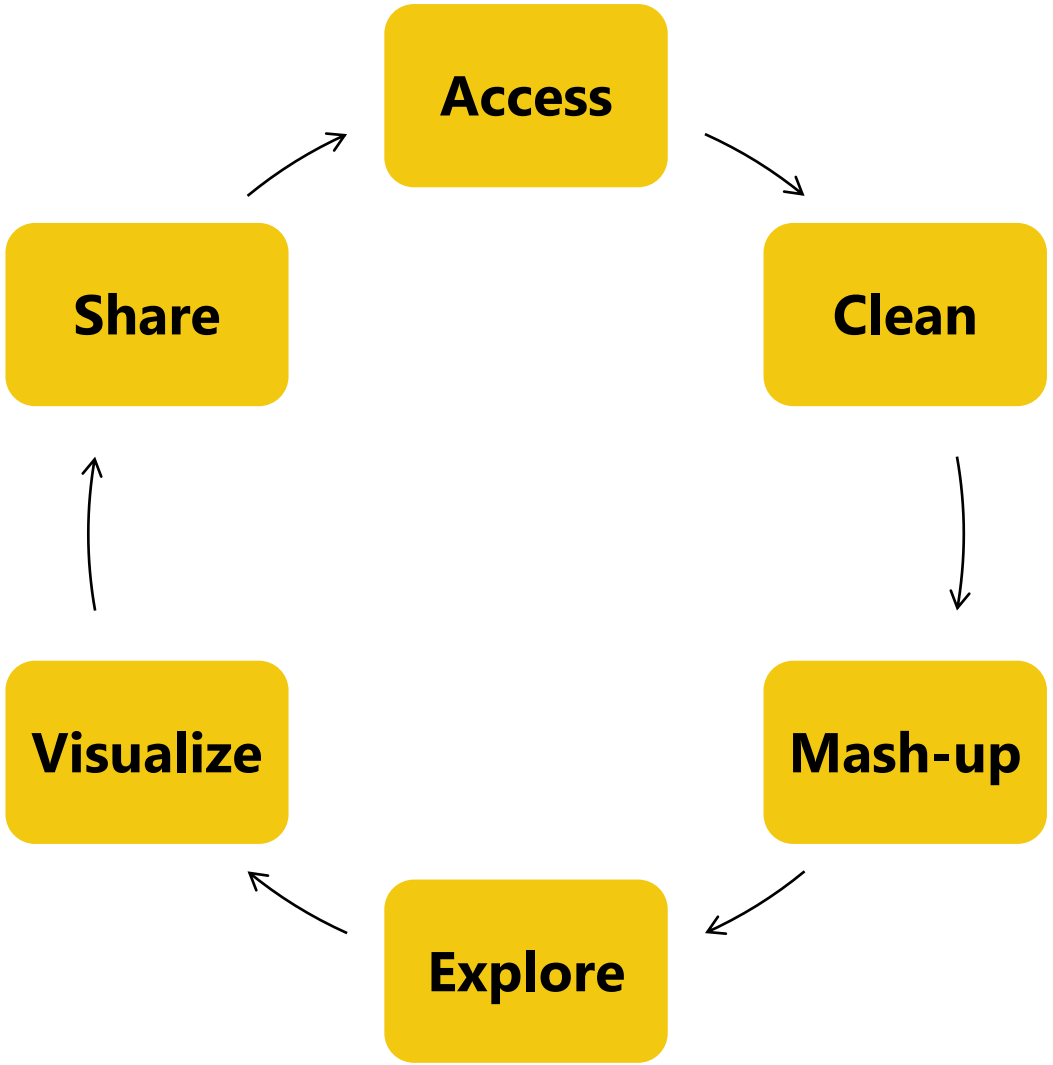
Eastern Standard Time

10:00 AM – 11:00 AM	–	Power BI Desktop – Instructor Demo
11:00 AM – 12:00 PM	–	Power BI Desktop – Student Labs
12:00 PM – 01:00 PM	–	Lunch
01:00 PM – 03:00 PM	–	Power BI Service – Student Labs
13:30 PM – 03:00 PM	–	Question & Answers
03:00 PM – 05:00 PM	–	Q&A / Advanced Class

The Evolution of BI



End User Needs



Access all your **DATA**

Data sources

SaaS solutions
e.g. Marketo, Salesforce, GitHub, Google Analytics

Organizational
Corporate data sources or external data services

On-premises Data

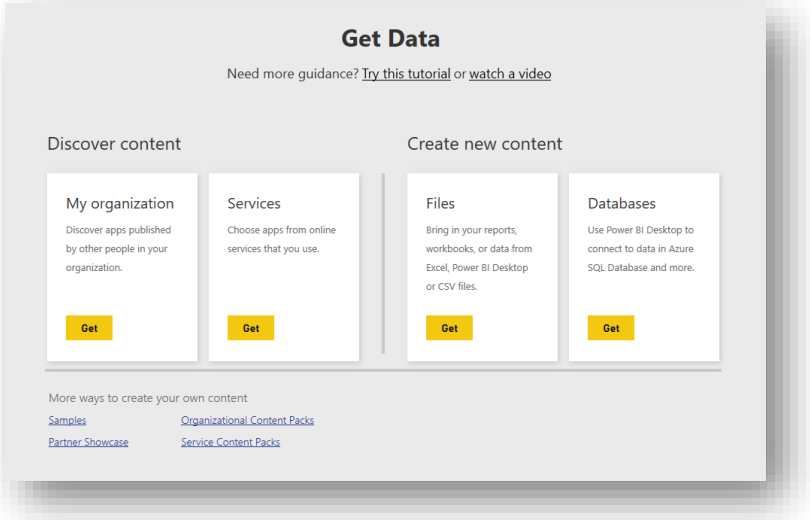
Azure services
Azure SQL, Stream Analytics…

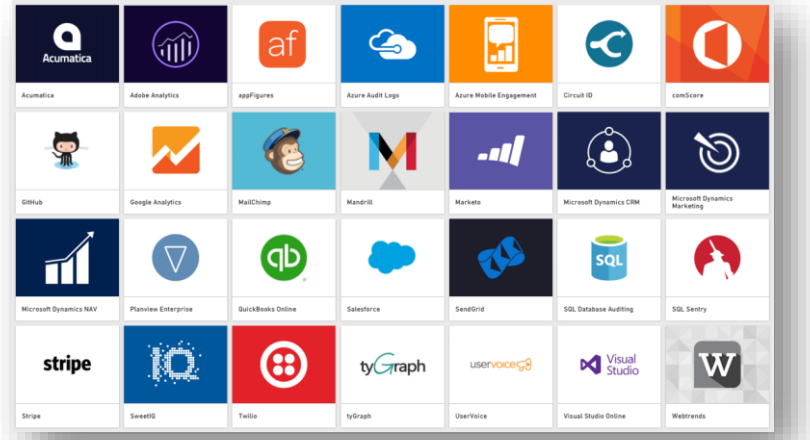
Excel files

Power BI Desktop files
Data from files, databases, Azure, and other sources

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

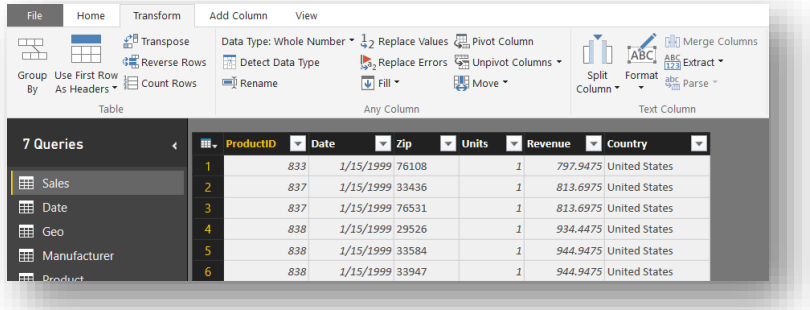
- Data from Applications
  - SaaS services that you already use
- Data from your organization
  - Content published by others in your org (Datasets and Dataflows)
- Big data and more
  - Azure data services, e.g. HDI, ASA, AML etc.
  - On-premises data sources, e.g. Oracle & SSAS
- Data from files
  - Import data from Text, CSV, Excel and Power BI Desktop files

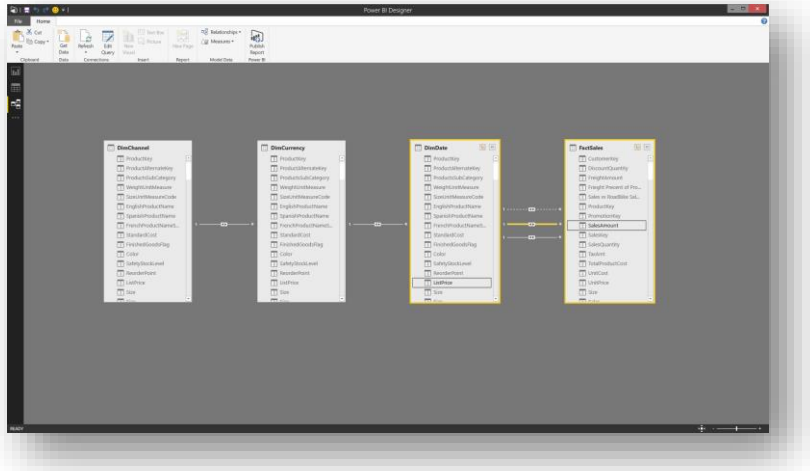




Clean and mash-up your **DATA**

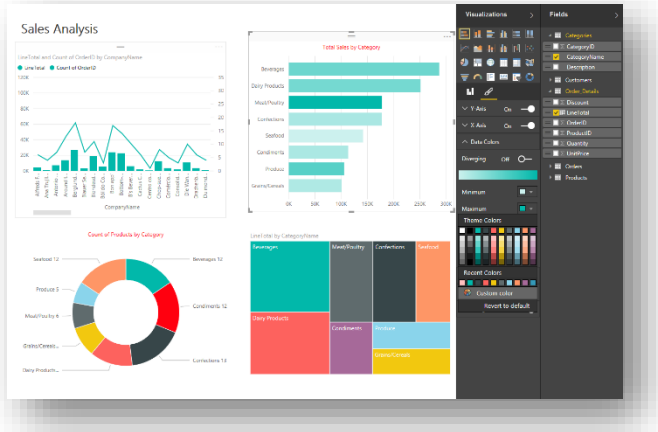
- Consolidate data from a broad range of sources
  - Merge or append queries to combine data from multiple queries into a single query
- Transform data to fit your needs using intuitive UI
  - Select data for inclusion
  - Cleanse data and remove errors
- Define calculations to generate new fields for use in reports
- Develop advanced analytics using a combination of measures and relationships
  - Uncover correlations, highlight exceptions and understand business outcomes

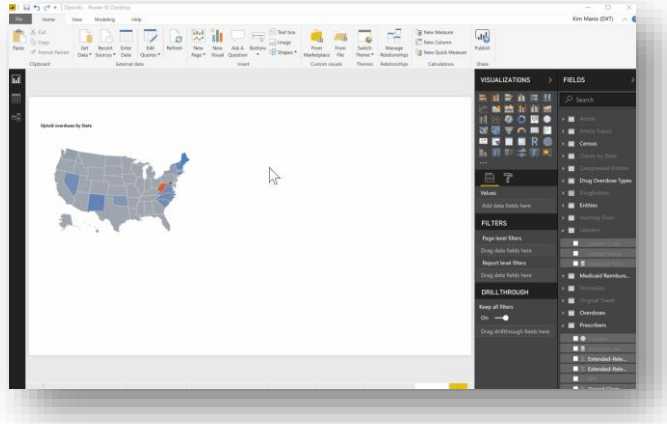




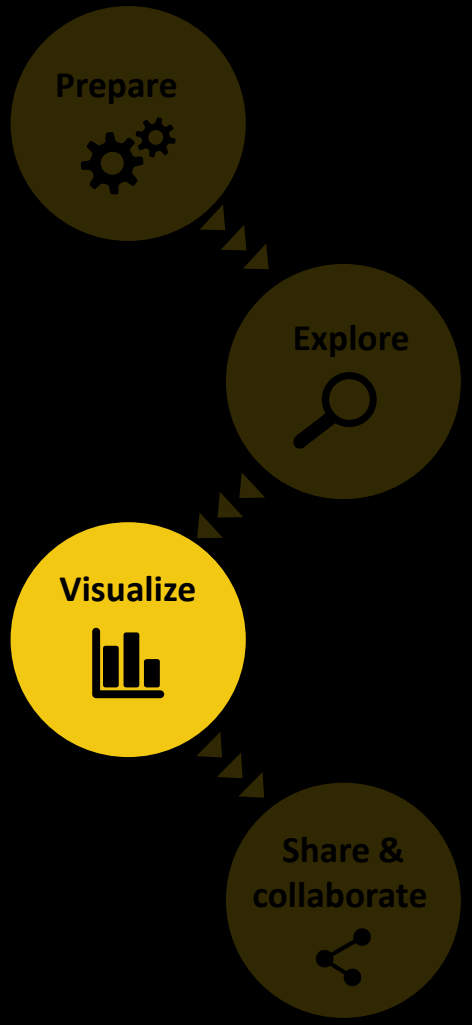
Explore your **DATA**

- Explore data in a variety of ways and across multiple visualizations using drag and drop canvas
- Dig deeper into your reports
  - Drill-down in your hierarchical data
  - Filter, sort, hover over and highlight data
- Leverage Quick Insights to find insights in your data
- Ask questions of your data in natural language with Q&A
  - Type questions in plain language
  - Q&A intelligently filters, sorts, aggregates, groups and displays data based on the question

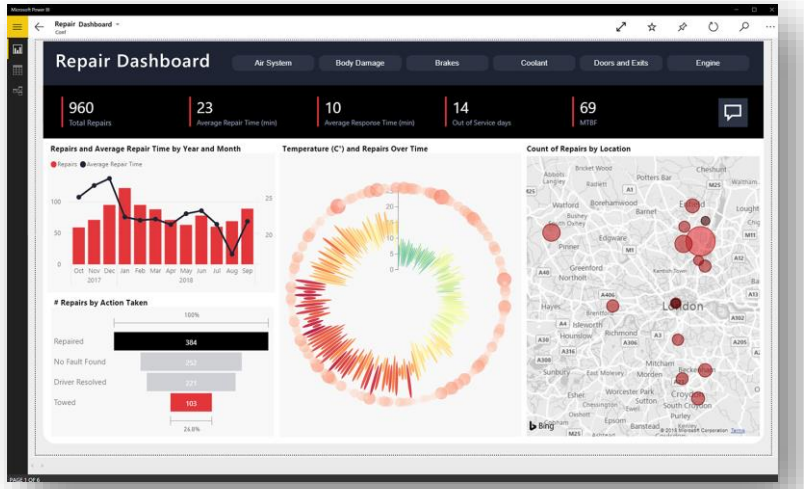


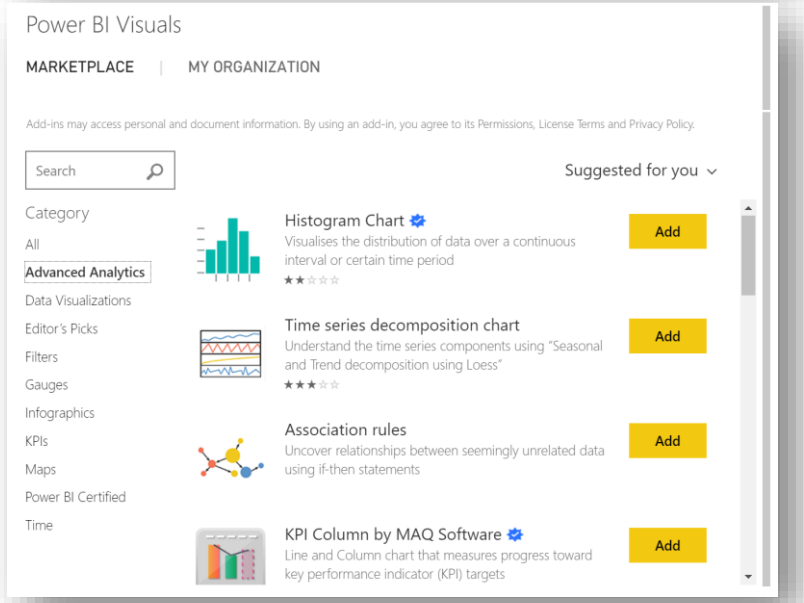


Visualize your **DATA**



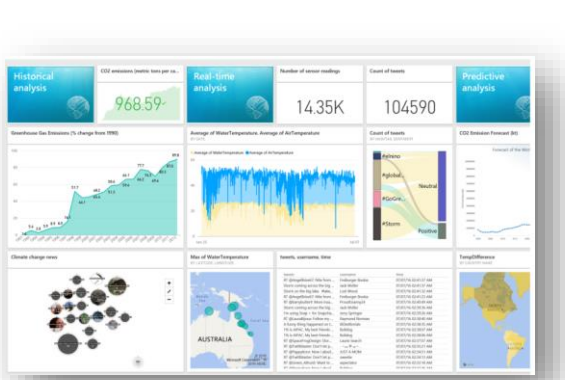
- Visualize data in a variety of ways
- Growing number of visualization types
  - Donuts, basic area, waterfall, filled maps, tree maps, funnel, gauges combo charts and more
  - Custom visuals available from Power BI Visuals Marketplace
  - Tools to develop, test, package new custom visuals
- Visualizations on report page are connected – select value in one visualization to change other visualizations
- Full screen pop out mode for report visuals to show additional details

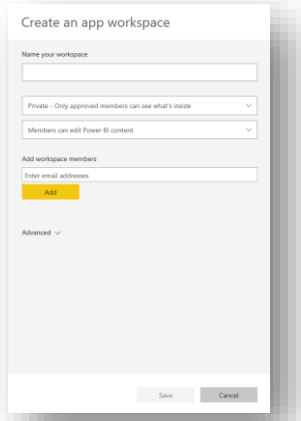


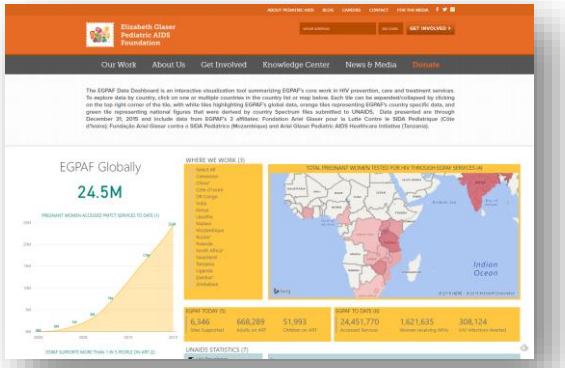


Bring your story to life with **DATA**

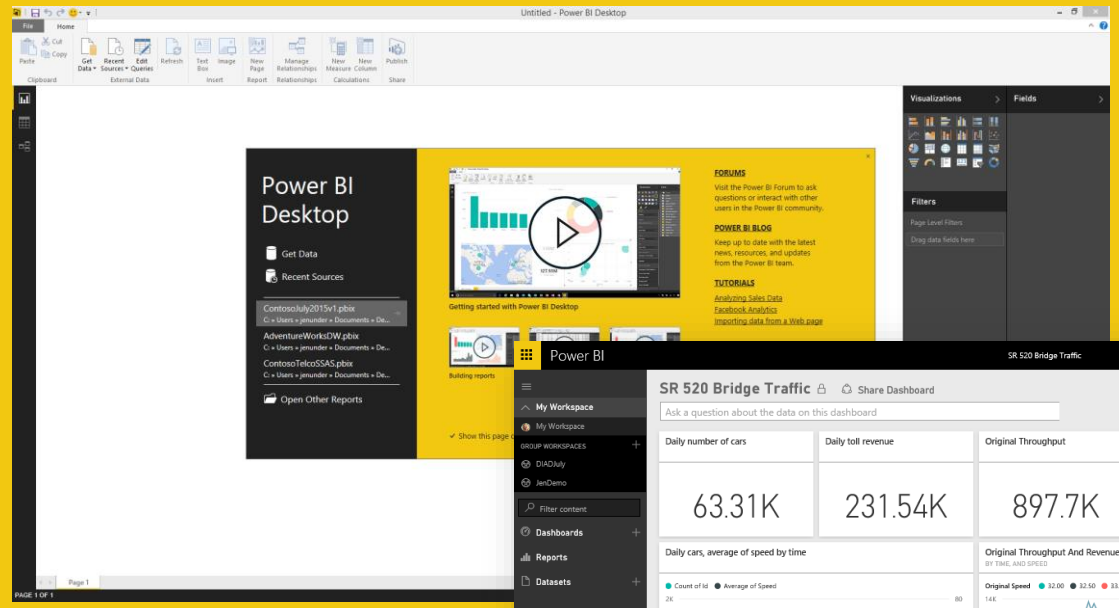
- Save Power BI Desktop report files and easily publish them to powerbi.com
- Access dashboards using native mobile apps for Windows, iOS and Android
- Share as appropriate with other Power BI users in your organization
- Package your reports in apps for easy consumption and control
- Easily embed interactive Power BI visualizations in blog posts, websites, through emails or social media With Power BI **Publish to web**



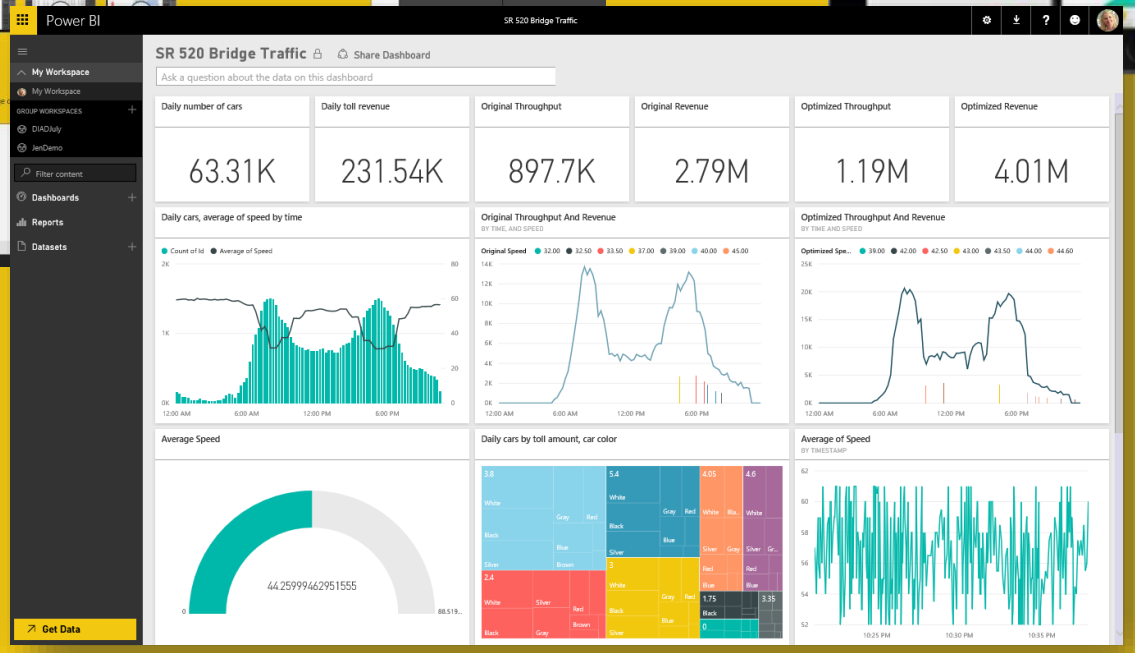




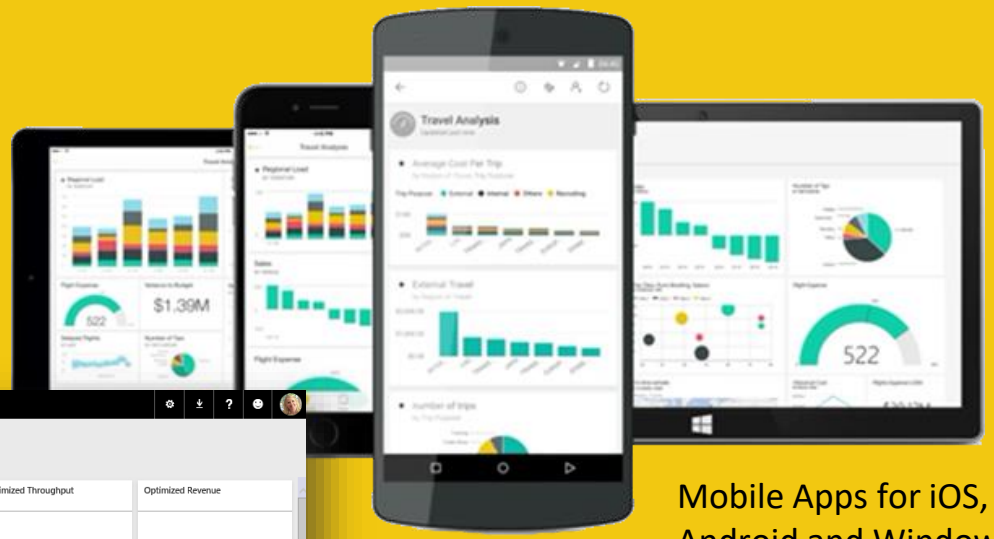
Power BI Full Experience



Power BI Desktop



Power BI Service

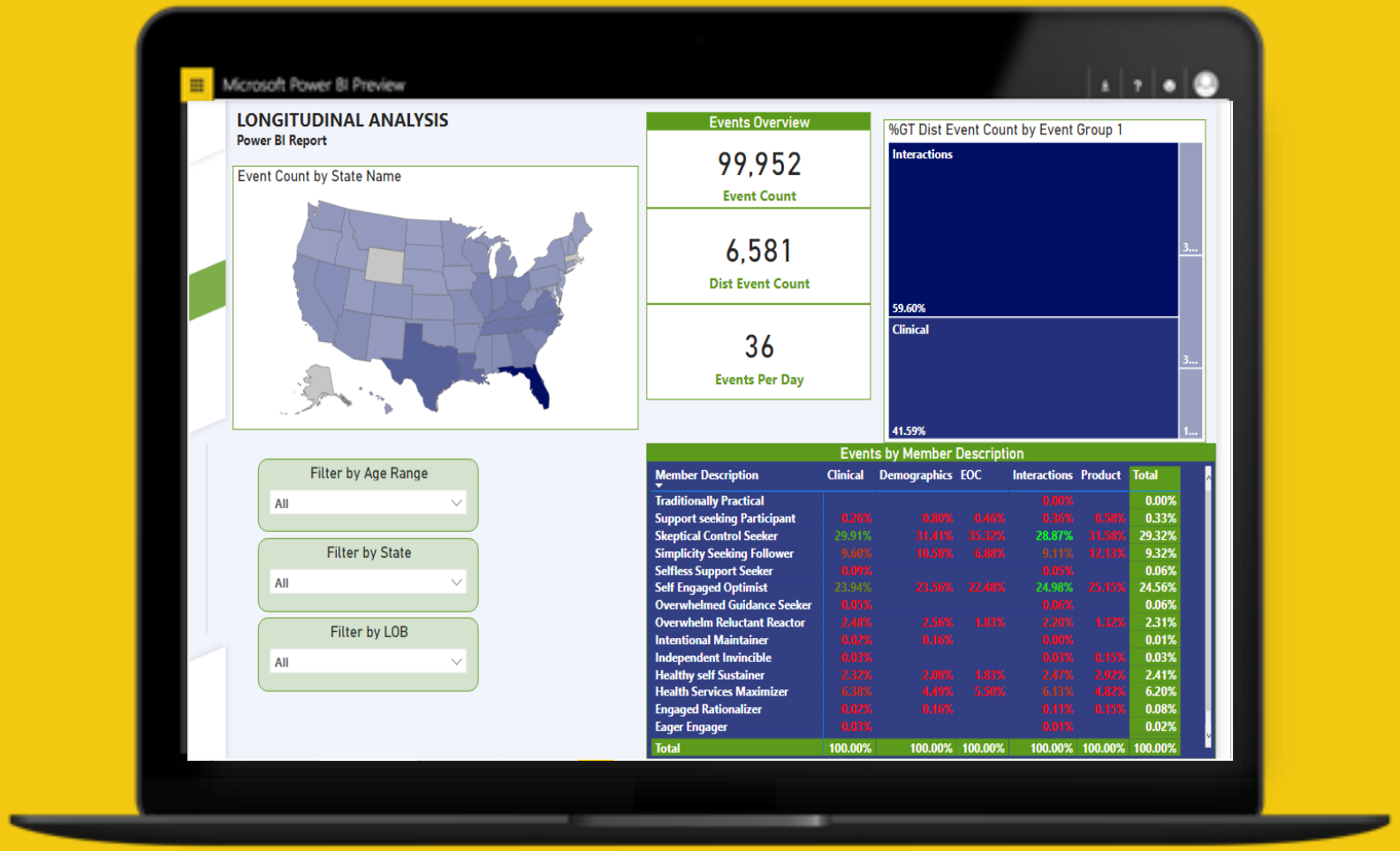


Mobile Apps for iOS, Android and Windows

Power BI for Developers

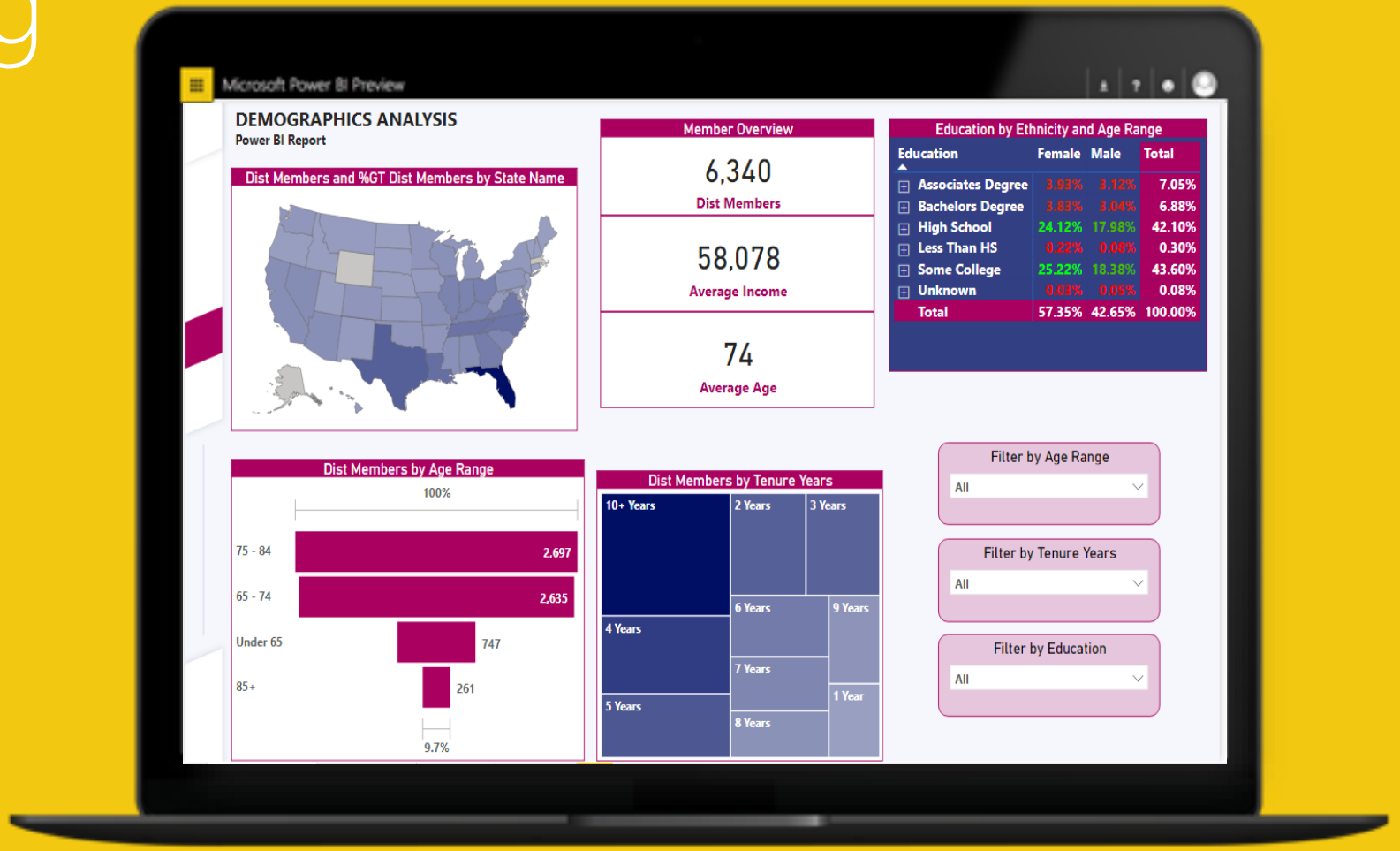
Power BI Desktop

Demo



Poll Questions

kahoot.it

Power BI Desktop

Hands-on learning