

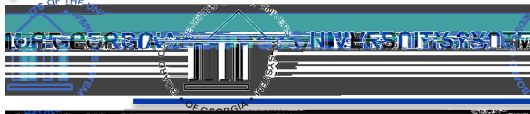
UNIVERSITY SYSTEM OF GEORGIA

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- Power BI Overview
- Power BI-ing the EMR
- Demo
- Other Considerations and Resources



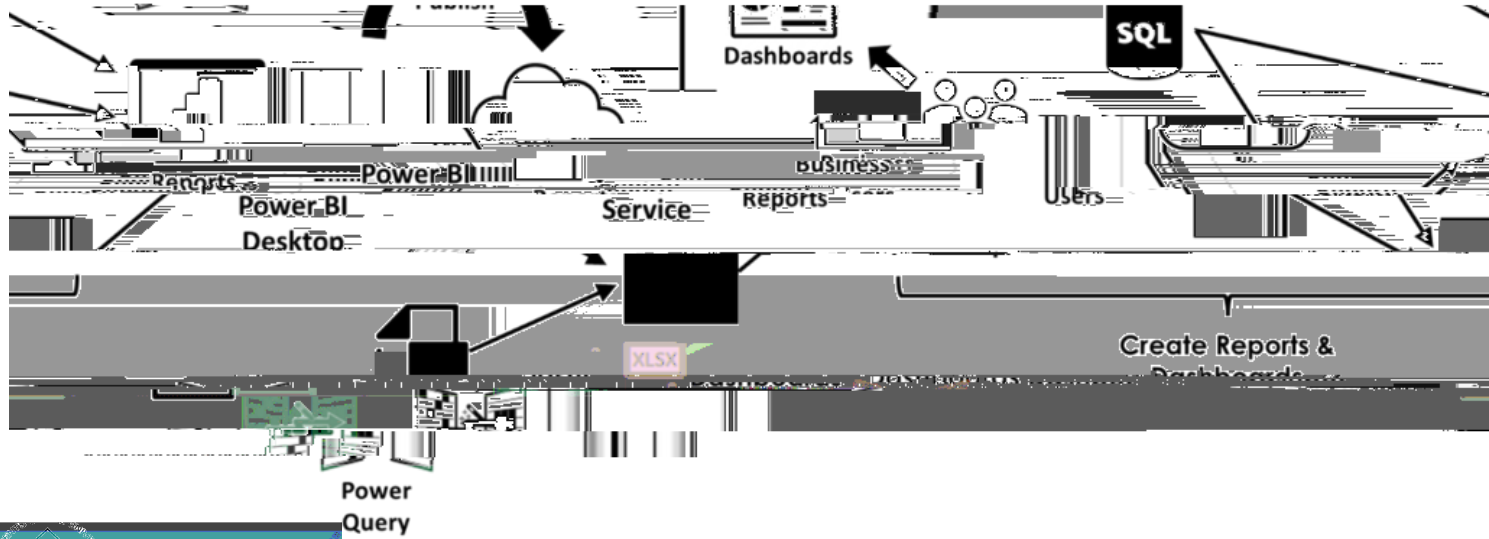
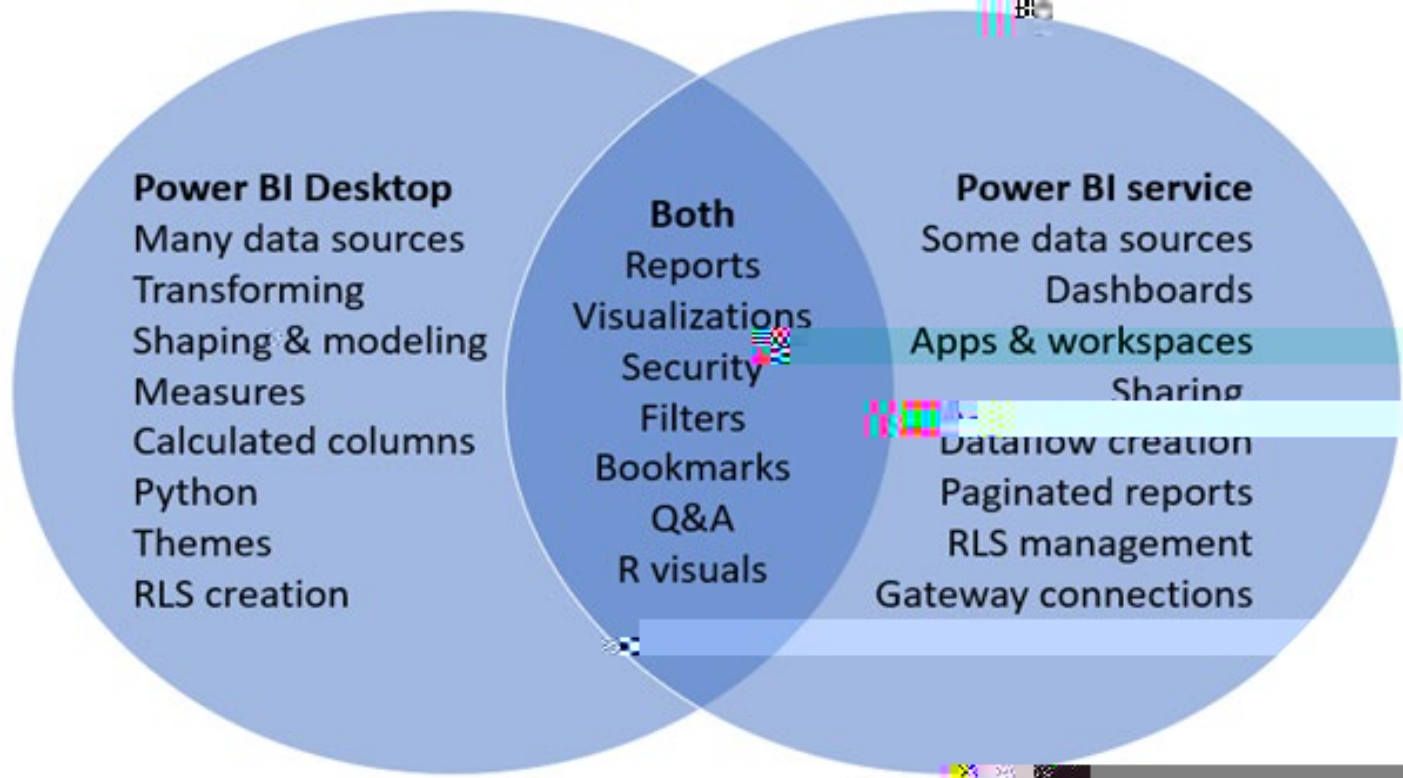


Image Source: <https://sqlspreads.com/blog/creating-reports-with-power-bi-sql-and-excel/>



Power BI Desktop

- Many data sources
- Transforming
- Shaping & modeling
- Measures
- Calculated columns
- Python
- Themes
- RLS creation

Both

- Reports
- Visualizations
- Security
- Filters
- Bookmarks
- Q&A
- R visuals

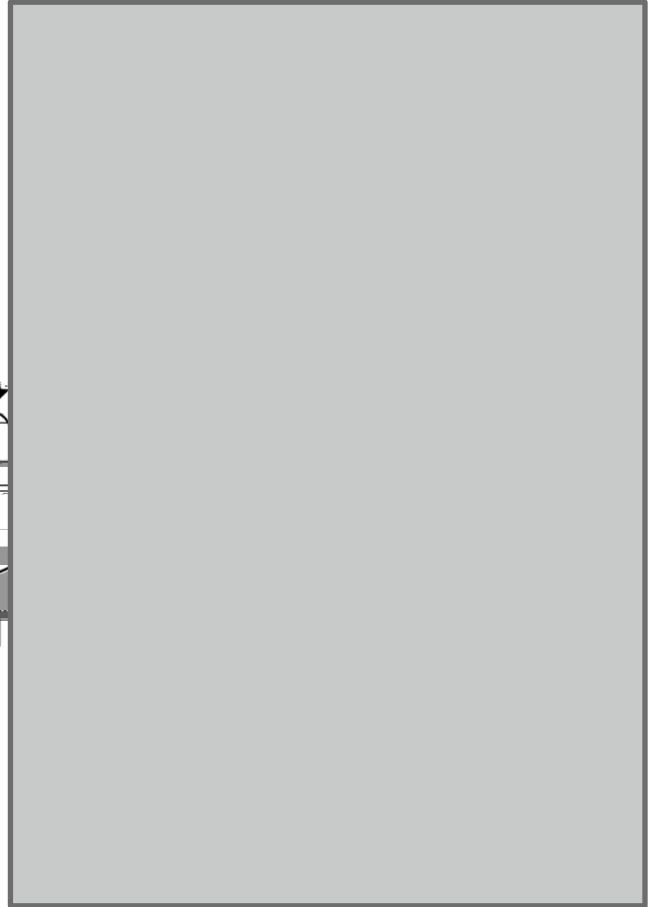
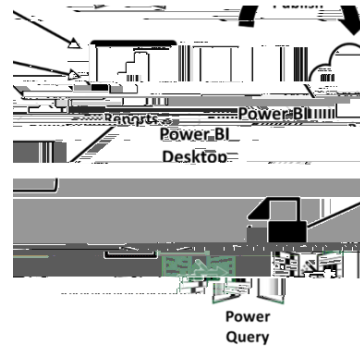
Power BI service

- Some data sources
- Dashboards
- Apps & workspaces
- Sharing
- Datarow creation
- Paginated reports
- RLS management
- Gateway connections



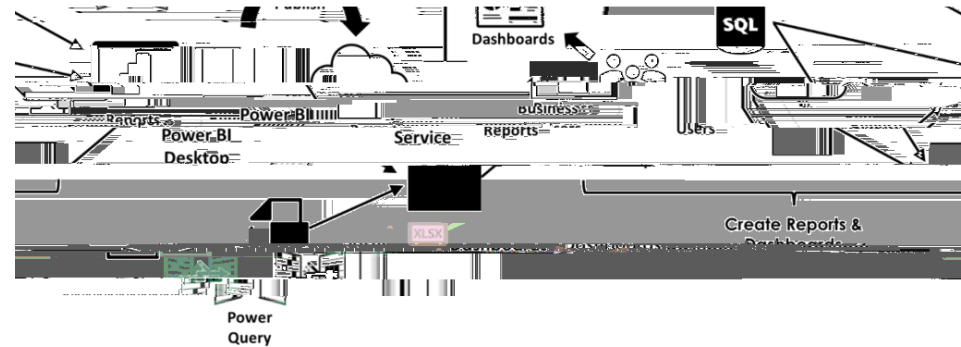
Excel (VBA & PQ)

- Collect excel sheets from each institution each week
- VBA to combine sheets into one file and extract data into homegrown validation tool (PQ)
- Validate data against historical reporting & request info/corrections from each institution
- Add weekly data to dataset used for PowerBI

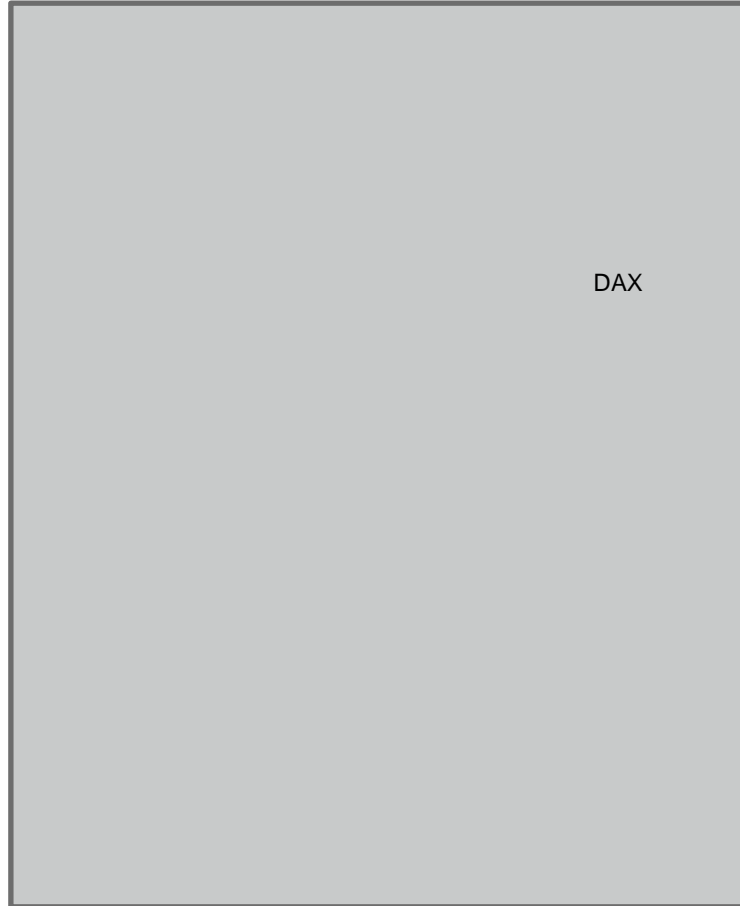


PowerBI : PowerQuery

- Import tables into PBI Desktop
- Use PQ (“M”) to clean and transform data
 - Queries -> Transform Data
 - Add categorical columns (e.g., sector sort)
 - Join/link tables together (model)
- Final dataset for measures/analysis



PowerBI: Dashboard & Publishing



DAX

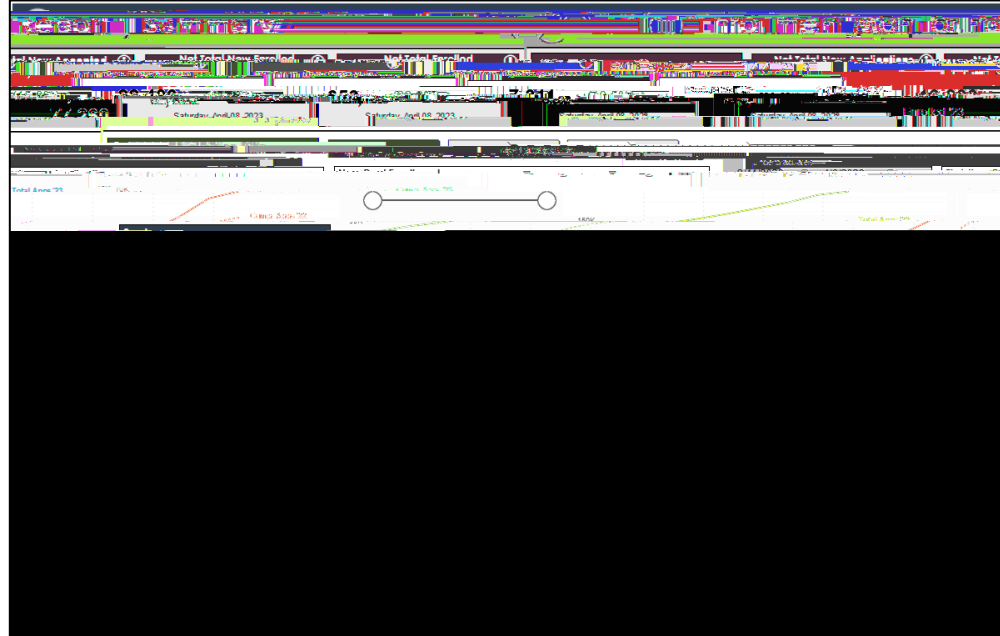


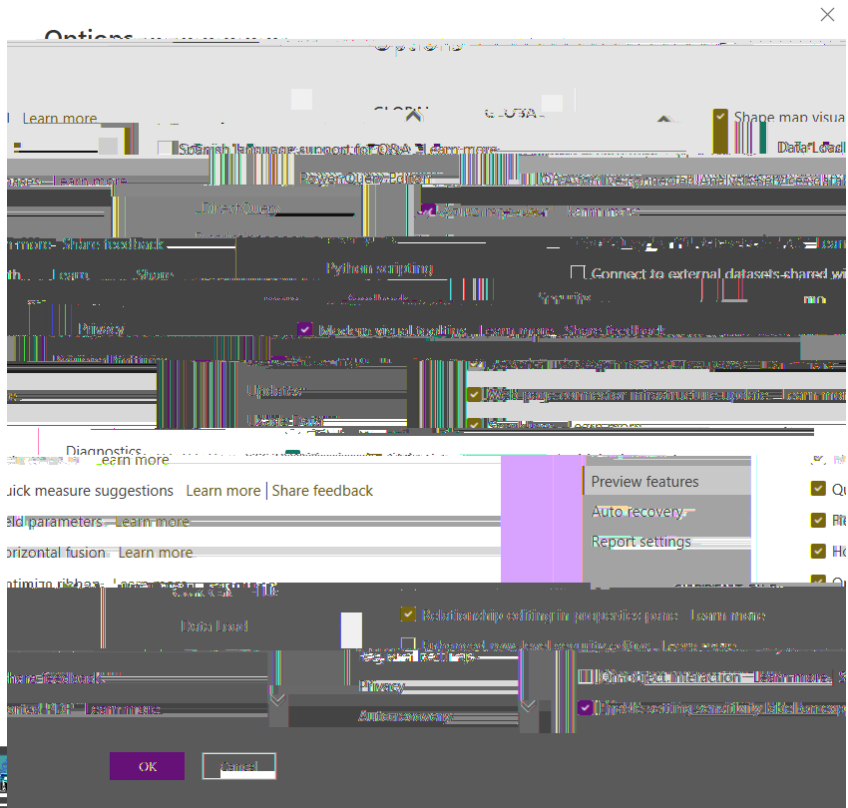
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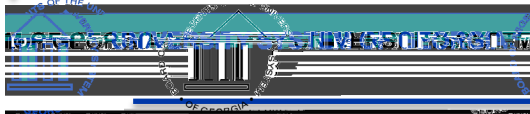
Data Wrangling Process

1. Collect/Validate submissions
2. Combine all submissions
3. Generate Reports
 - Weekly Visualization
 - Net Analysis Reports
4. Dashboard





- <https://community.powerbi.com/>
- Recent conversation (AMA) with a lead Power Bi developer about the big changes on the horizon:
<https://www.youtube.com/watch?v=m4uLv9wWq7Y>



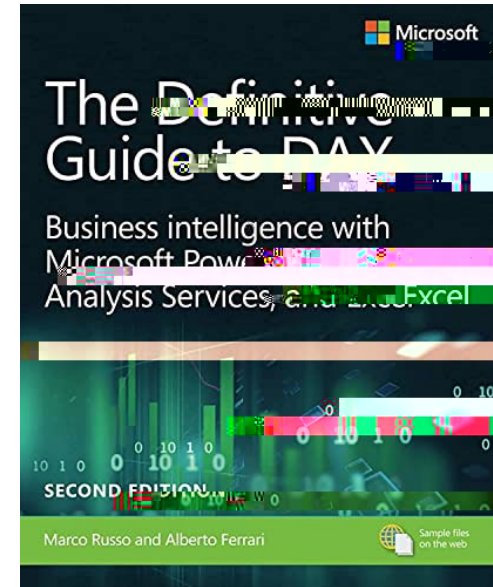
- Using Power Point for Power BI Design
 - Canvas
 - Icons (insert > illustration > icons)
- “Measure” tables
- Tool Tips
- Parameters
- Bookmarks and buttons
 - Navigation Panes & Specific Charts



- Wireframe! Wireframe! Wireframe!
 - Visio or PowerPoint
- Transitioning Static Reports to Dynamic Reports
- Creating dashboards from recurring questions
 - Enrollment Pipeline
 -

Youtube

- <https://www.youtube.com/@HowtoPowerBI>
- <https://www.youtube.com/@skillwavetraining>
- <https://www.youtube.com/@CurbalEN>
- <https://learn.microsoft.com/en-us/dax/>



<https://www.sqlbi.com/books/the-definitive-guide-to-dax-2nd-edition/> =

