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An Introduction to Data Visualization with Tableau

Tony Nguyen
National Network of Libraries of Medicine, Southeastern / Atlantic Region

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An Introduction to Data Visualization with Tableau

Tony Nguyen, MLIS, AHIP

Technology and Communications Coordinator

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What is Data Visualization?

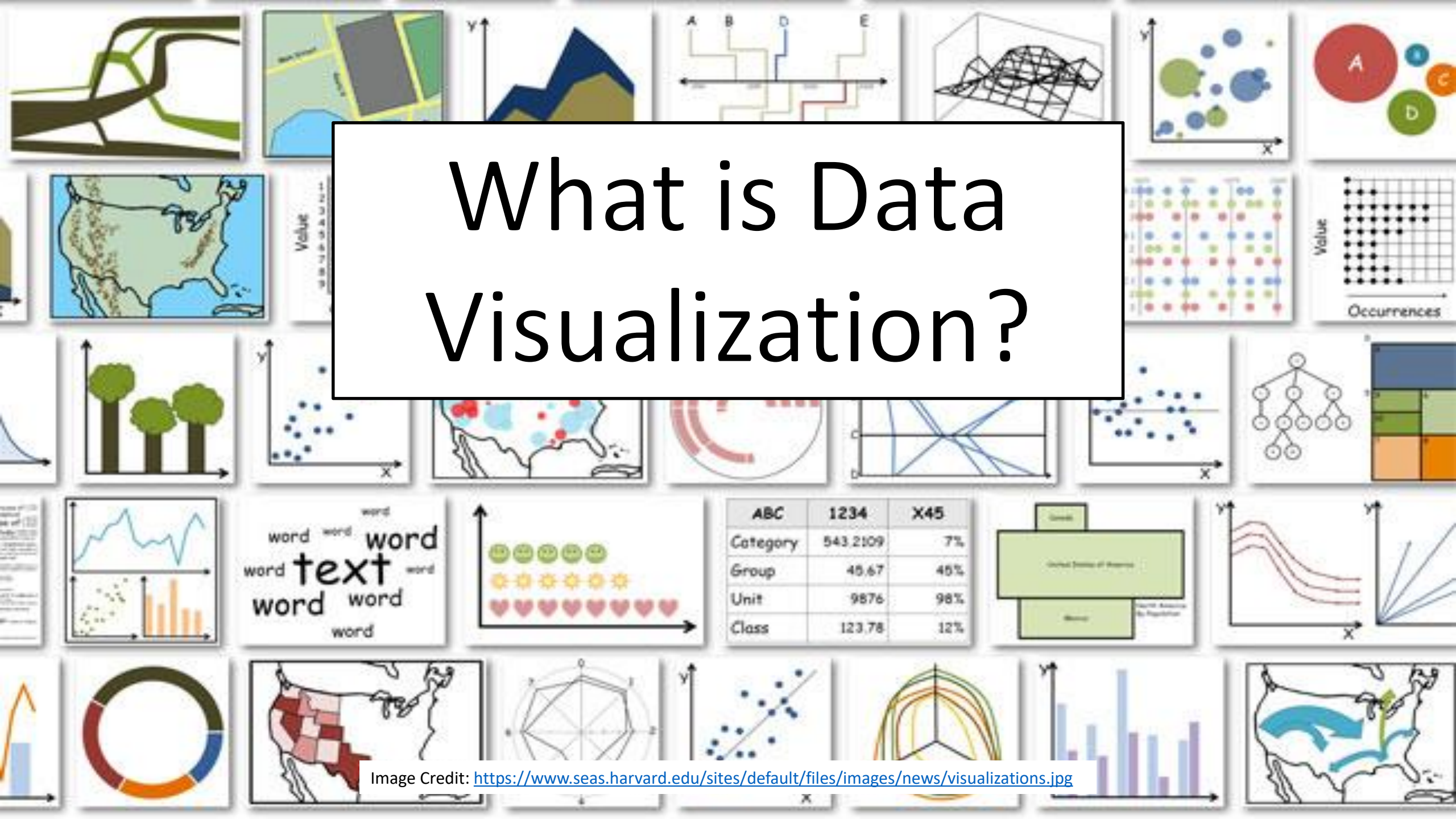

Image Credit: https://www.seas.harvard.edu/sites/default/files/images/news/visualizations.jpg

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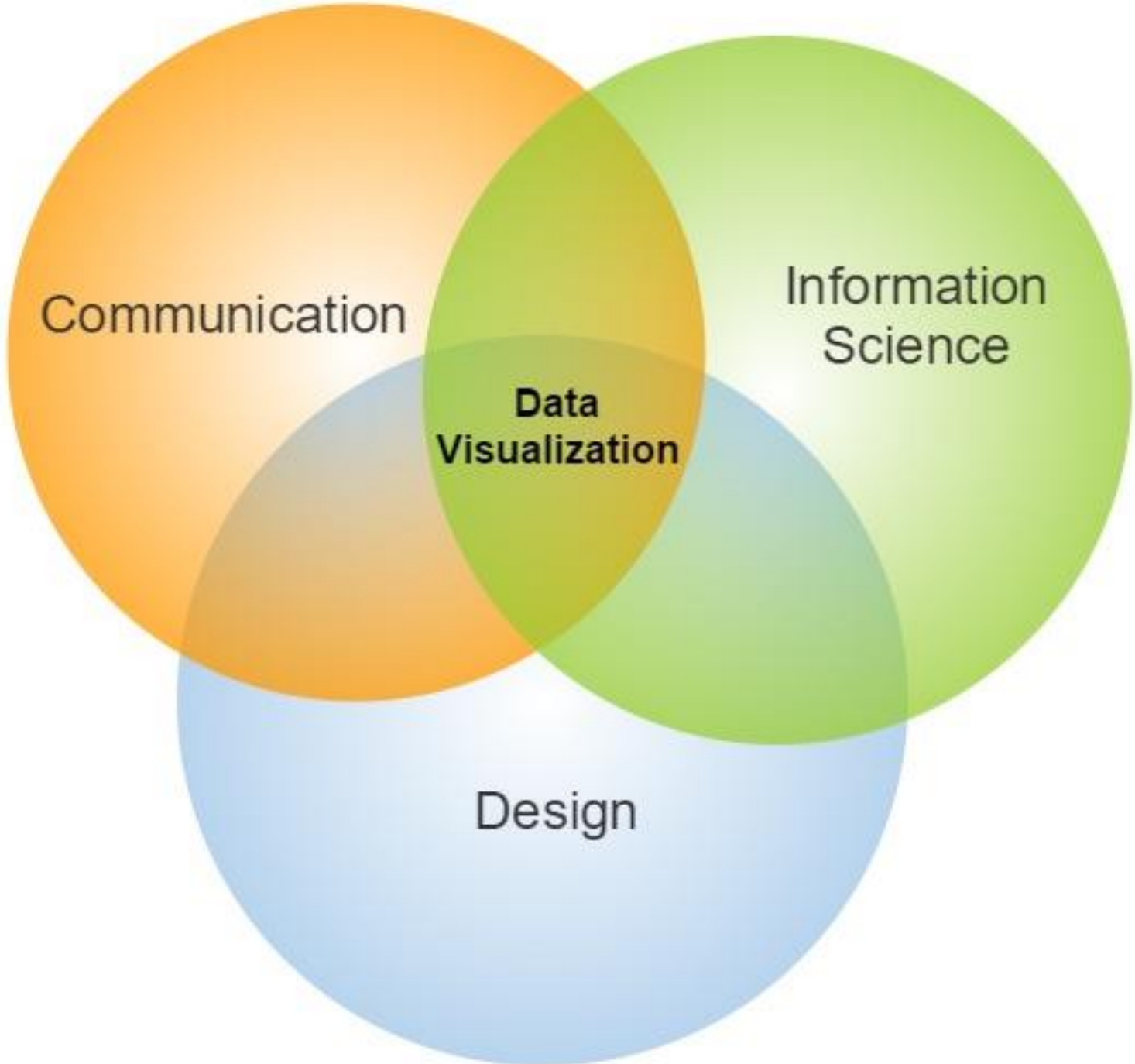

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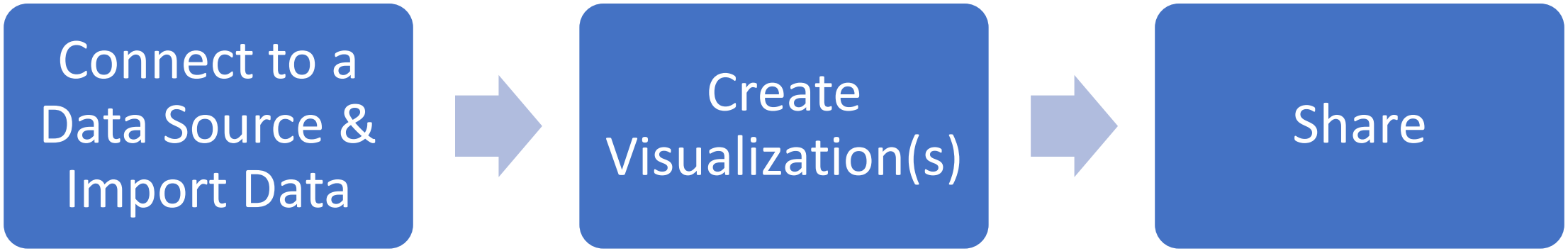

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https://www.tableau.com/solutions/education-higher-ed-analytics

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Hands On Demonstration

- https://public.tableau.com/en-us/s/resources
  - Pokemon Index
  - Cat vs Dog Popularity in the US
- NNLM Handouts: Cool Creative Communications: Dazzling Data Visualization

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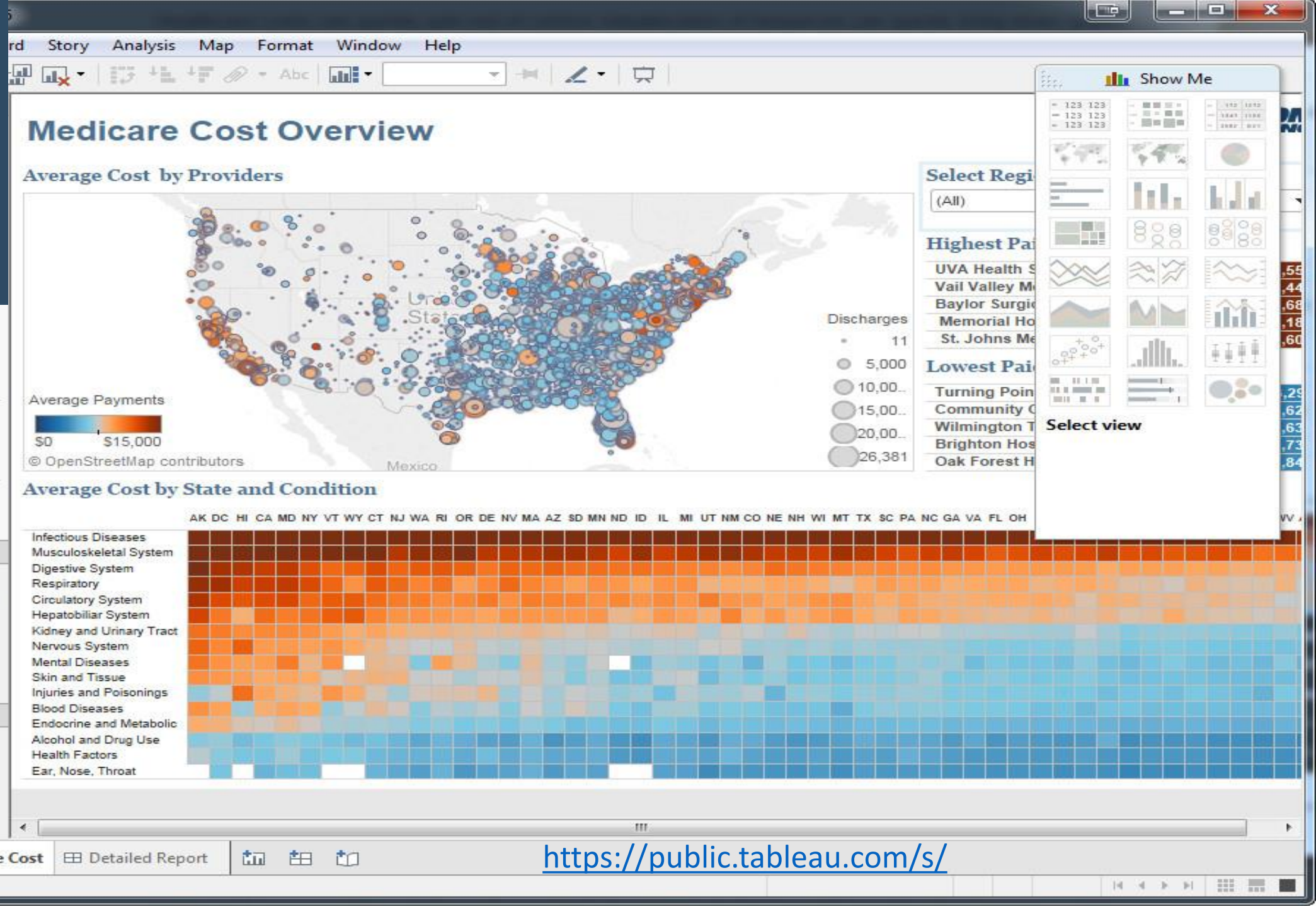
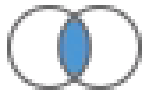
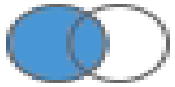
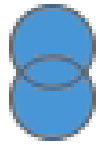
tableau public



https://public.tableau.com/s/

Join Type	Result	Description
Inner	When you use an inner join to combine tables, the result is a table that contains values that have matches in both tables.	
Left	When you use a left join to combine tables, the result is a table that contains all values from the left table and corresponding matches from the right table. When a value in the left table doesn't have a corresponding match in the right table, you see a null value in the data grid.	
Right	When you use a right join to combine tables, the result is a table that contains all values from the right table and corresponding matches from the left table. When a value in the right table doesn't have a corresponding match in the left table, you see a null value in the data grid.	
Full Outer	When you use a full outer join to combine tables, the result is a table that contains all values from both tables. When a value from either table doesn't have a match with the other table, you see a null value in the data grid.	
Union	Though union is not a type of join, union is another method for combining two or more tables by appending rows of data from one table to another. Ideally, the tables that you union have the same number of fields, and those fields have matching names and data types.	

https://onlinehelp.tableau.com/current/pro/desktop/en-us/joining_tables.html

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Continue Learning Tableau

- Coursera:
  - Data Visualization and Communication with Tableau (Duke University)
  - Data Visualization with Tableau Specialization (UC Davis)
- Lynda.com:
  - Tableau Training and Tutorials
- Tableau
  - Free Tableau Training Videos
  - Free Tableau Public Training Video and Free Live Trainings

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Tableau Communities

- Tableau Help
  - Create Custom Fields with Calculations
- Tableau Community

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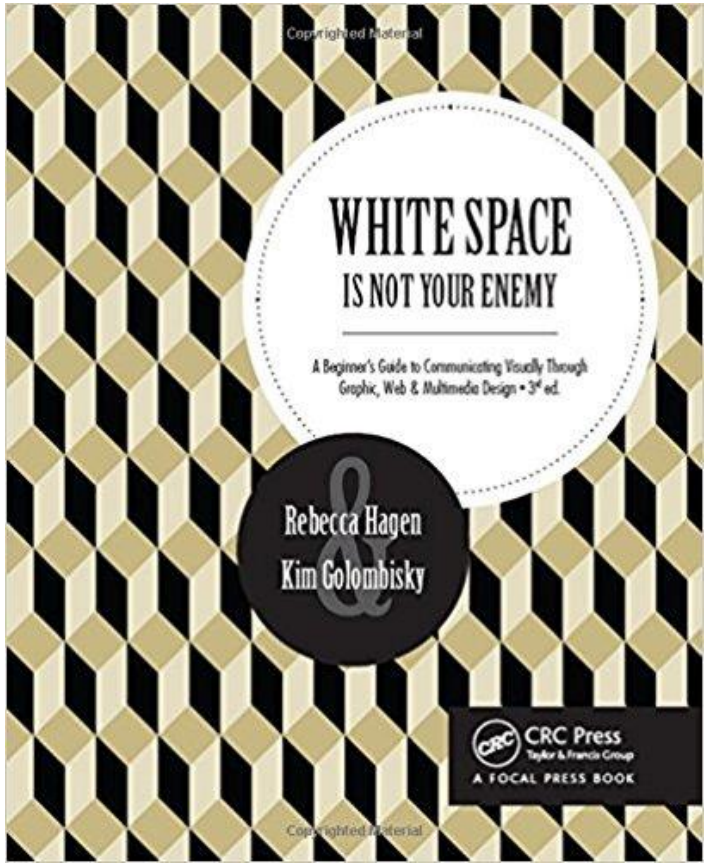

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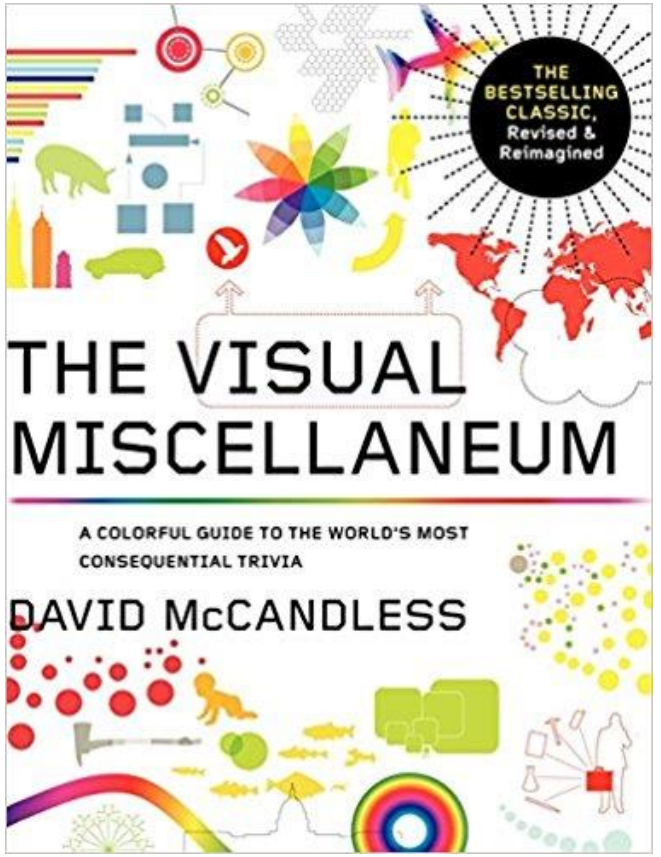

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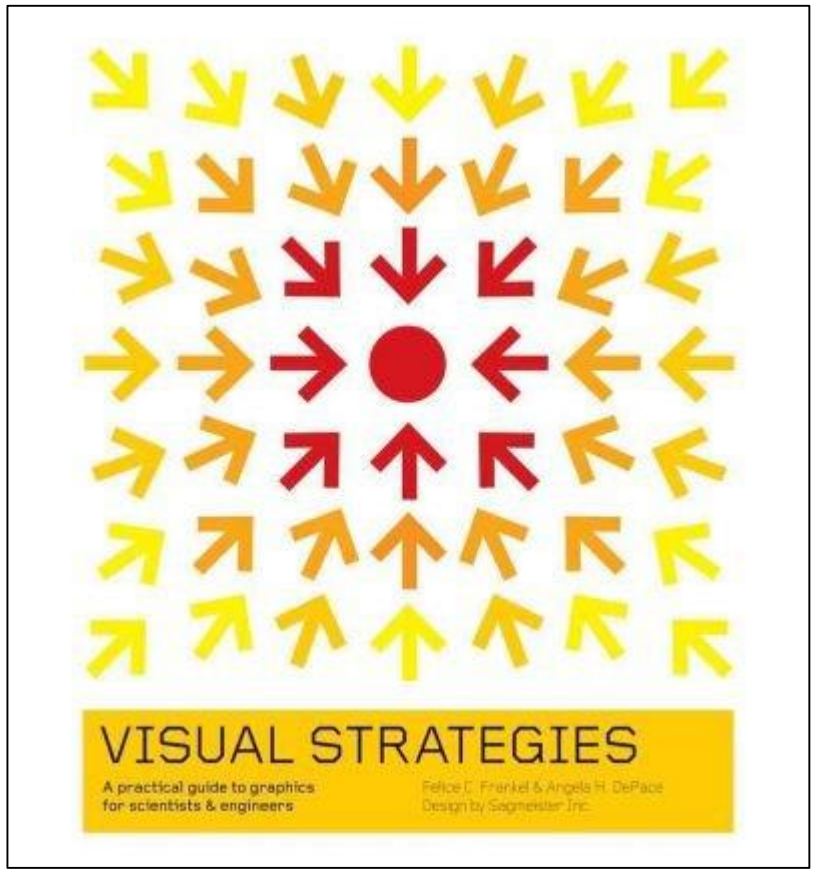

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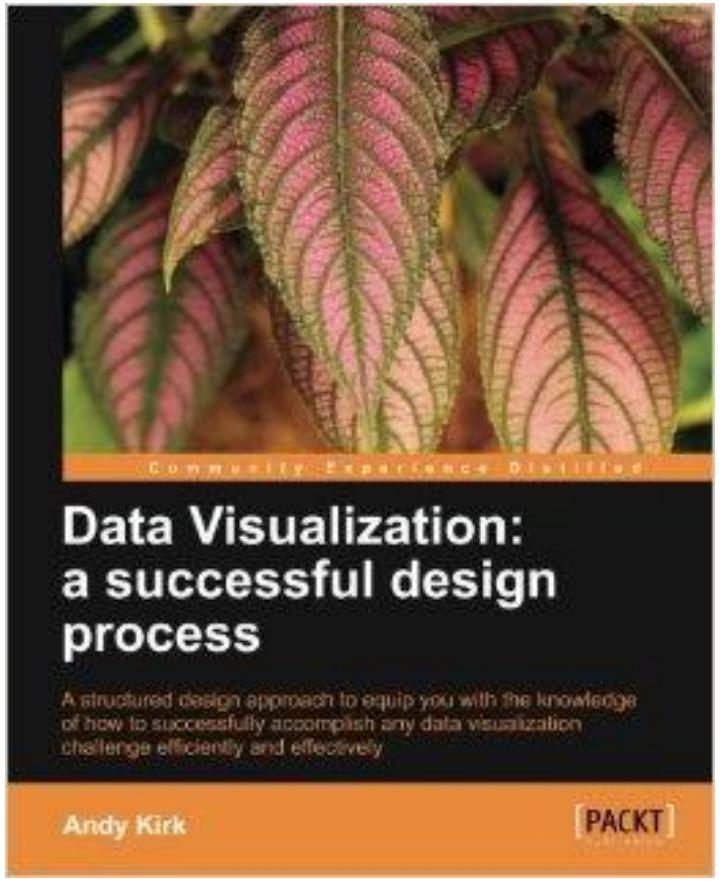

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Thanks!

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