

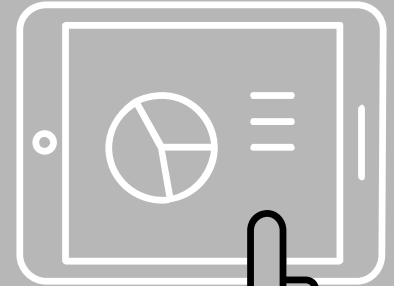
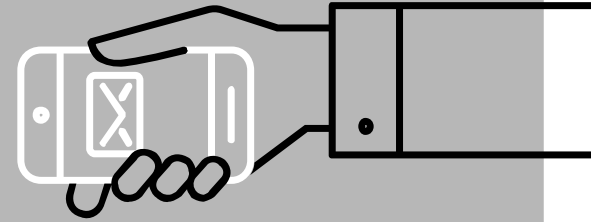
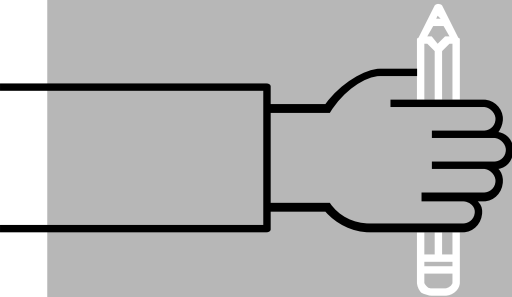
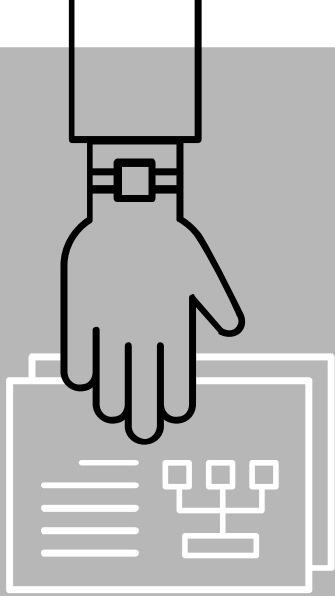
UNCG Digital Bootcamp,
Tools & Tech Workshop

August 19, 2019

Designing and developing effective data viz.

Please sign in at:

go.uncg.edu/datavizbootcamp



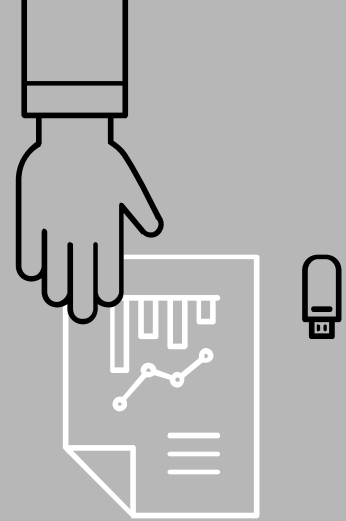
Goals

- ▷ Learn what data viz. is
- ▷ Explore some common tools
- ▷ Practice planning methods and design principles

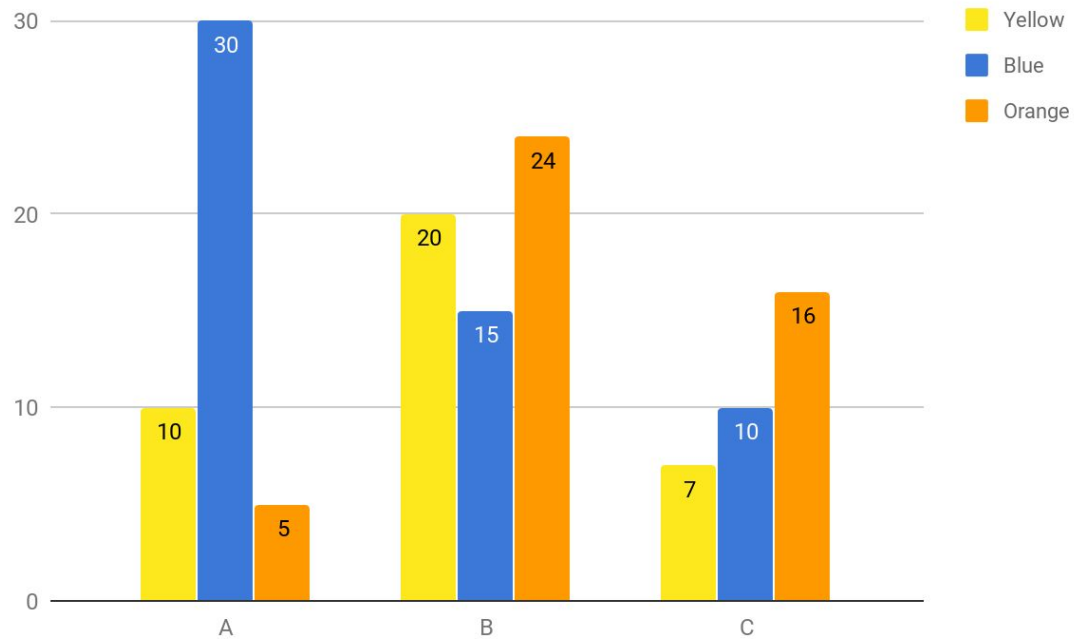


Tables VS Viz

	A	B	C
Yellow	10	20	7
Blue	30	15	10
Orange	5	24	16



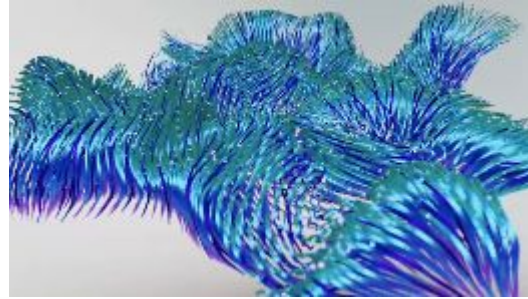
Tables VS Viz



What is Data Viz?



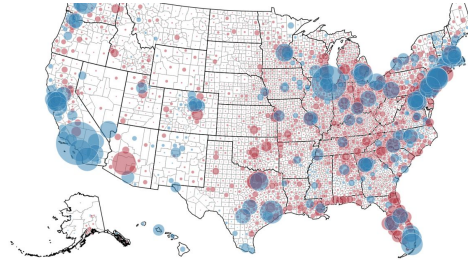
Wordcloud created using Word Cloud Visualization app by [Patrick Wied via splunkbase](#)



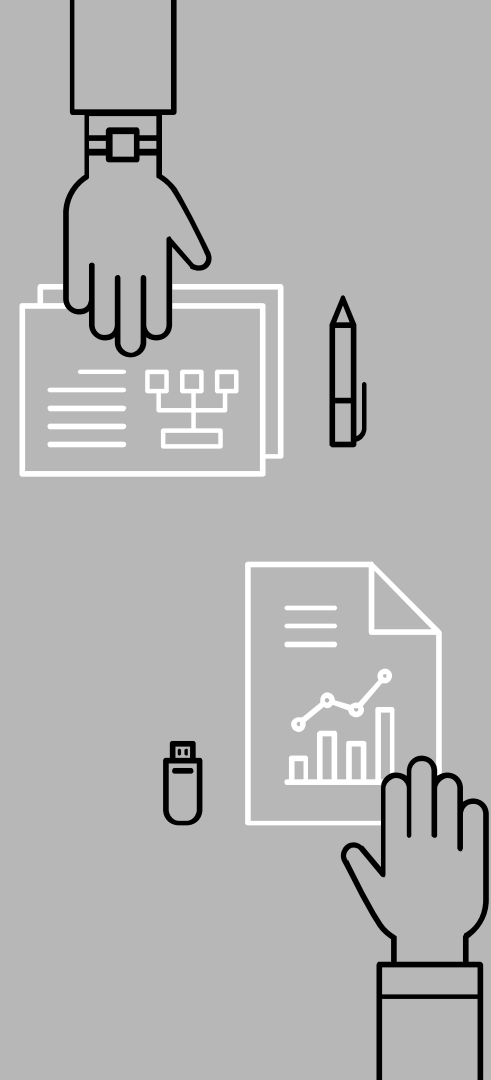
"Website Visits," *Technology Garden*, Wimbledon IBM via [Variable](#)



"Excuses for being late to class"" via [Excel Easy](#)



"The 2016 Election" via [Time](#)



The project:

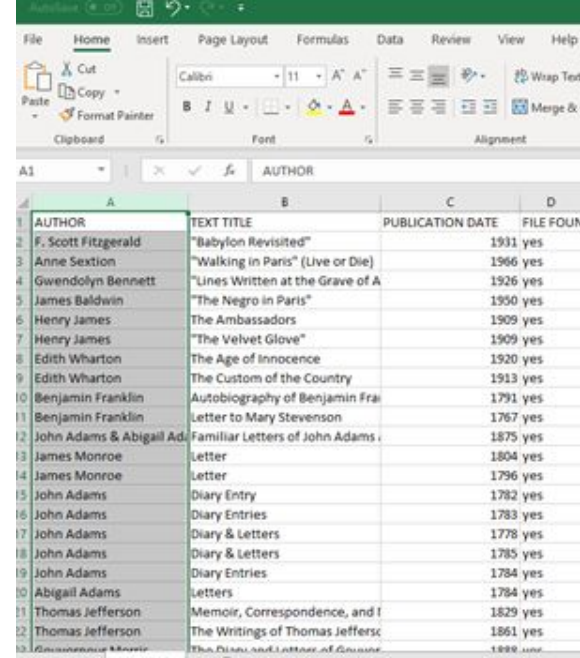
- Seeing literature as data & mining for place names
- Mapping the results to visualize findings

The tools:

- R
- *Text Analysis with R for Students of Literature* by Matthew Jockers
- Pluralsite
- ArcGis

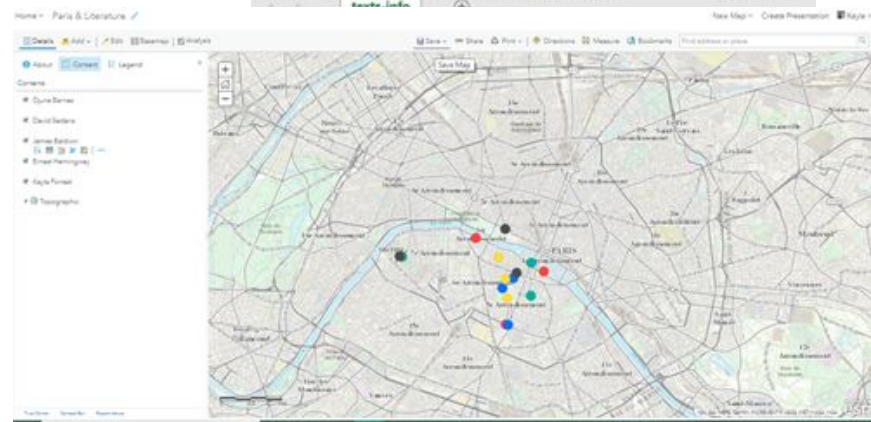
The plans:

- Finish coding and adding to [the map](#)
- Combined publication in *Cultural Analytics* with Dr. Beveridge
- Use as part of my research and academic profile



The screenshot shows an Excel spreadsheet with the following data:

AUTHOR	TEXT TITLE	PUBLICATION DATE	FILE FOUR
F. Scott Fitzgerald	"Babylon Revisited"	1931	yes
Anne Sexton	"Walking in Paris" (Live or Die)	1966	yes
Gwendolyn Bennett	"Lines Written at the Grave of A"	1926	yes
James Baldwin	"The Negro in Paris"	1950	yes
Henry James	The Ambassadors	1909	yes
Henry James	"The Velvet Glove"	1909	yes
Edith Wharton	The Age of Innocence	1920	yes
Edith Wharton	The Custom of the Country	1913	yes
Benjamin Franklin	Autobiography of Benjamin Fra	1791	yes
Benjamin Franklin	Letter to Mary Stevenson	1767	yes
John Adams & Abigail Adams	Familiar Letters of John Adams	1875	yes
James Monroe	Letter	1804	yes
James Monroe	Letter	1796	yes
John Adams	Diary Entry	1782	yes
John Adams	Diary Entries	1783	yes
John Adams	Diary & Letters	1778	yes
John Adams	Diary & Letters	1785	yes
John Adams	Diary Entries	1784	yes
Abigail Adams	Letters	1784	yes
Thomas Jefferson	Memoir, Correspondence, and f	1829	yes
Thomas Jefferson	The Writings of Thomas Jefferson	1861	yes
Thomas Jefferson	The Writings of Thomas Jefferson	1800	yes



Data & Design

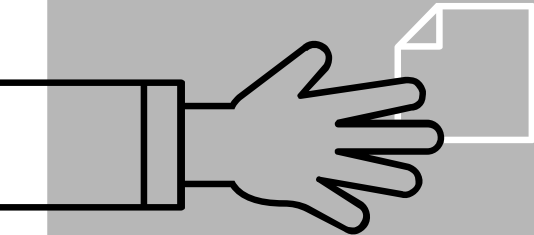
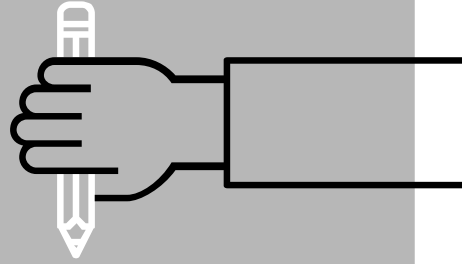
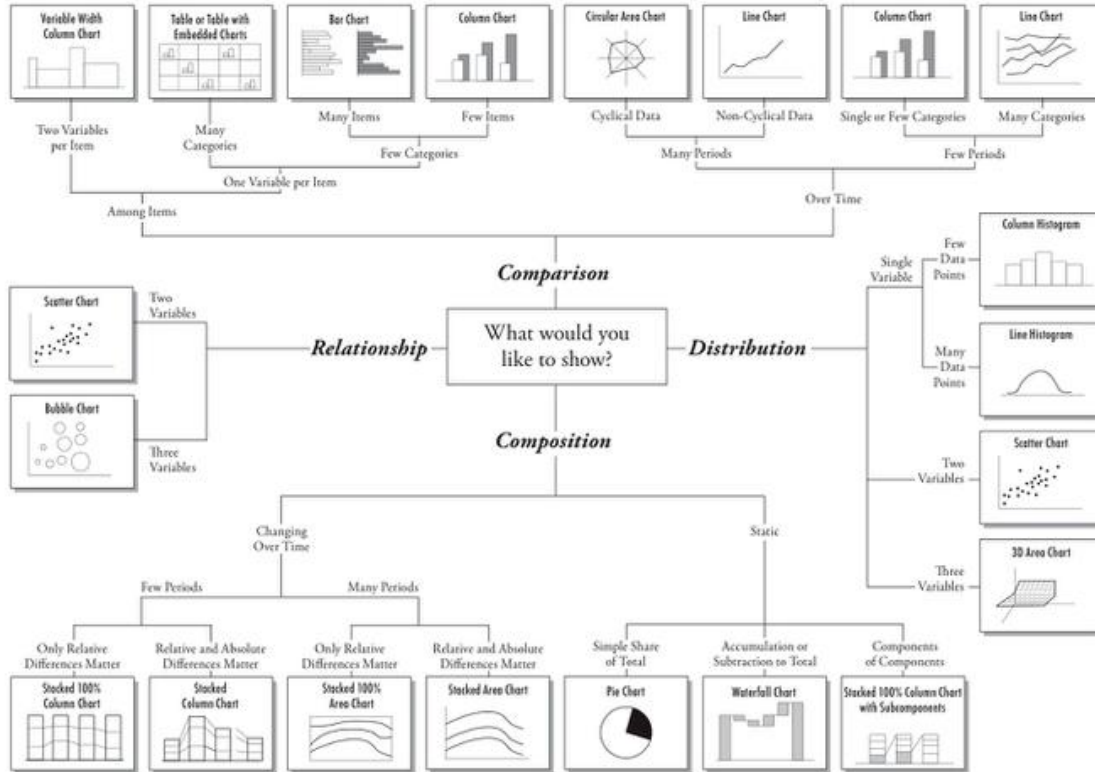
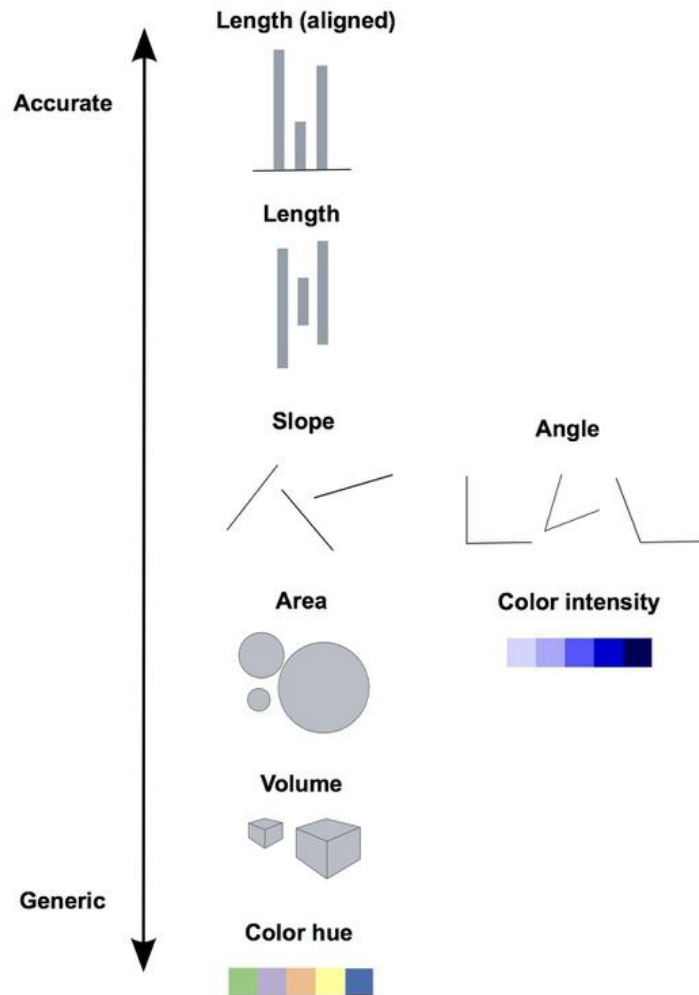


Chart Suggestions—A Thought-Starter



"Chart Suggestions"
via [Infographics](#)
[Blog](#)

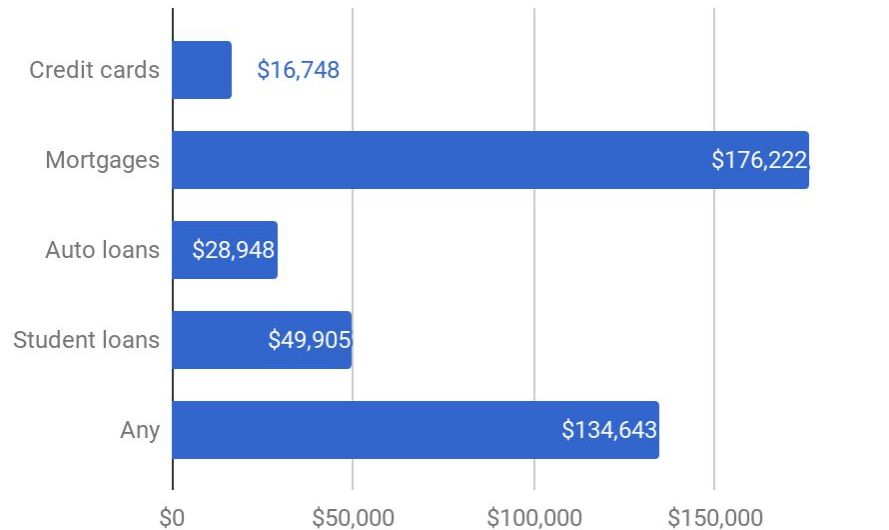
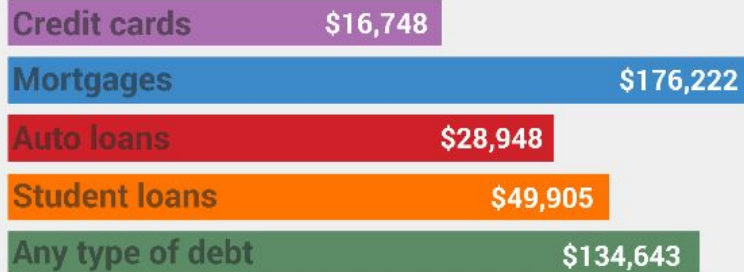


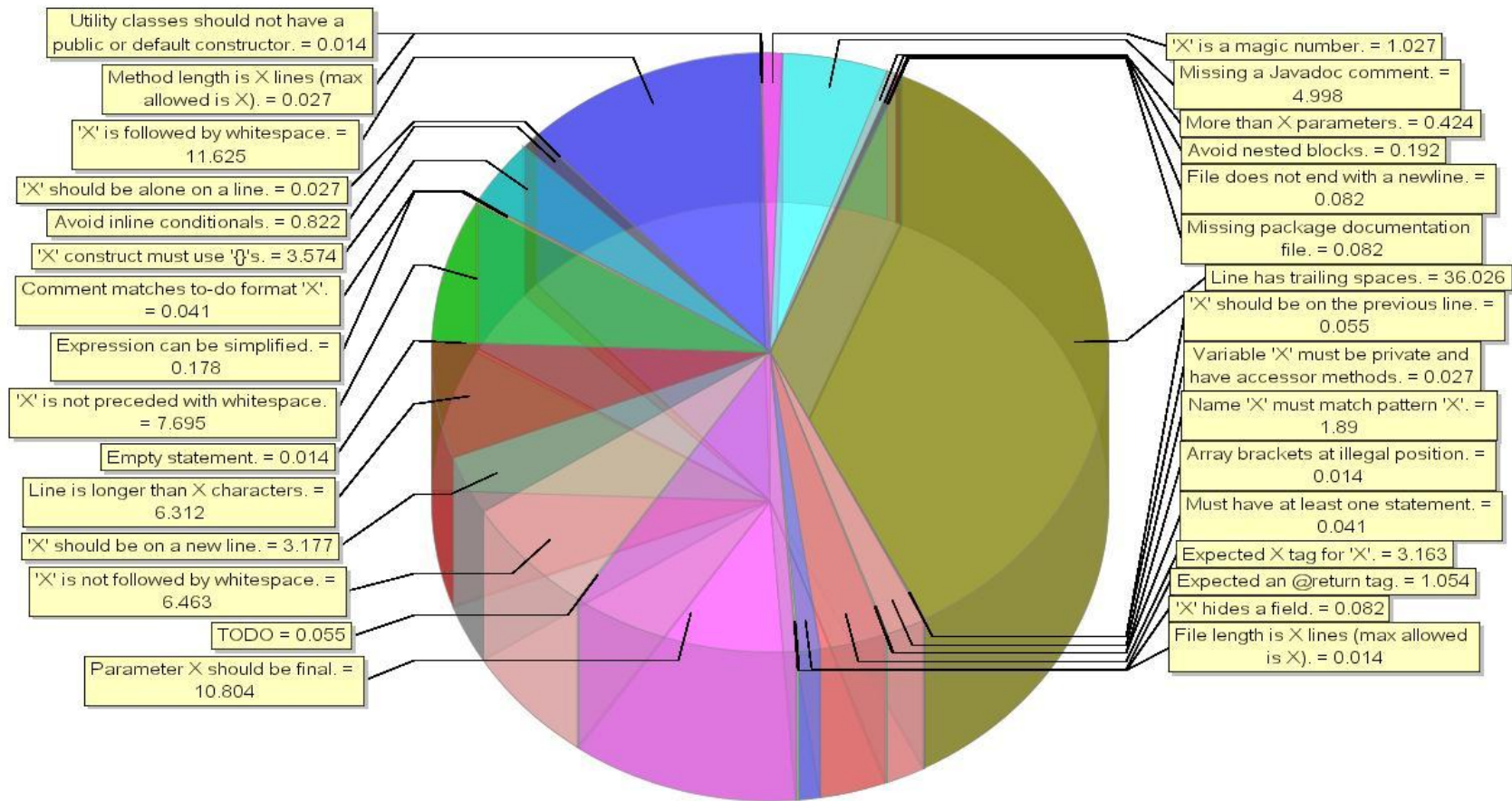
Ways to represent
and compare data

Problem Viz

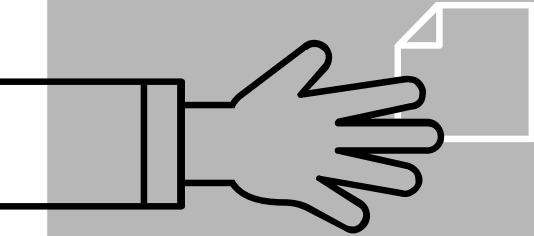
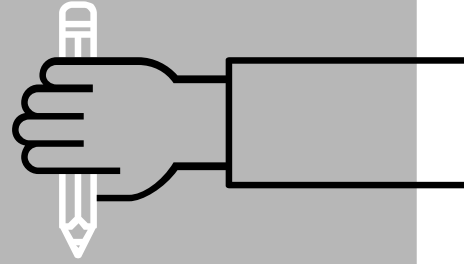
Types of debt

The total owed by the average U.S. household, by debt type.

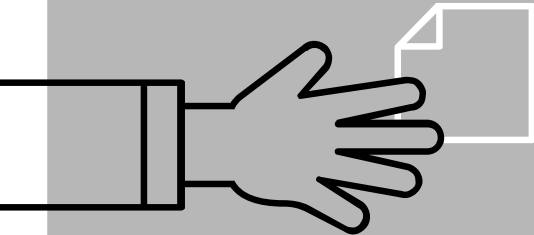
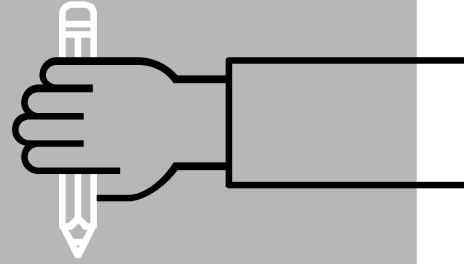




Numeric Data & Google Sheets



Text Mining & Non-Numeric Data



THANKS!

Any questions?

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- ▷ akbeveri@uncg.edu | aaronbeveridge.com

