

Given Meaning:

Centering the Work of Data Visualization in Instruction

Visualizing the Future Symposia

An IMLS funded National Forum on
Data Visualization in Libraries



<https://visualizingthefuture.github.io>

About the grant

From the [Visualizing the Future About page](#):

“This grant aims to create a diverse community that will advance data visualization instruction and use beyond hands-on, technology-based tutorials toward a nuanced, critical understanding of visualization as a research product and form of expression.”

*This project was made possible in part by
the [Institute of Museum and Library Services](#),
RE-73-18-0059-18.*



The art of teaching novices



Ryan Clement

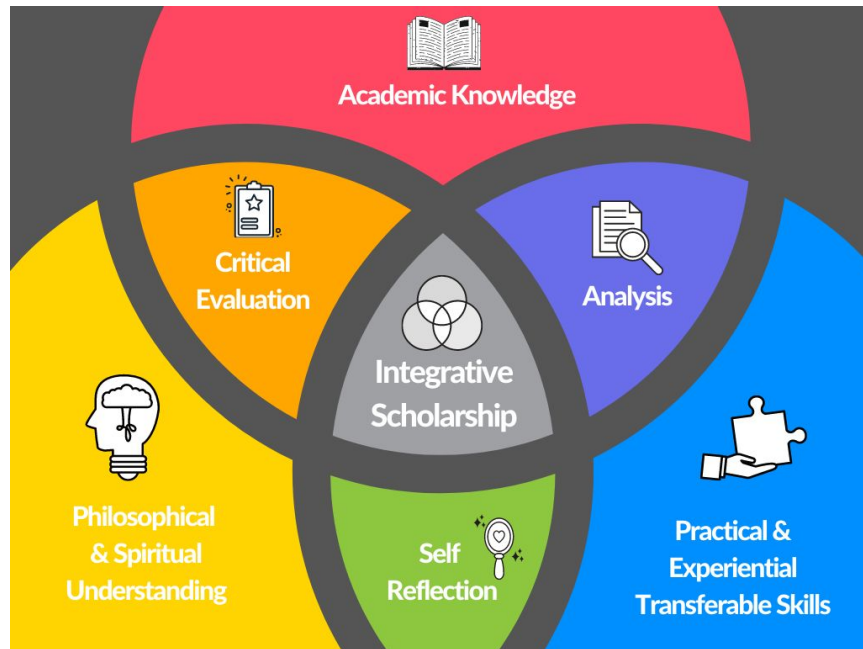
Challenges faced by first-year seminar instructors

1. Finding “**Goldilocks**” **data/visualization examples**
2. Lessons that are **robust**, but tool-agnostic to **avoid steep learning curves** of R/Python/Stata/ArcGIS/etc
3. **Building students’ confidence** -- faculty overestimate students comfort with technology, and also present themselves as less comfortable

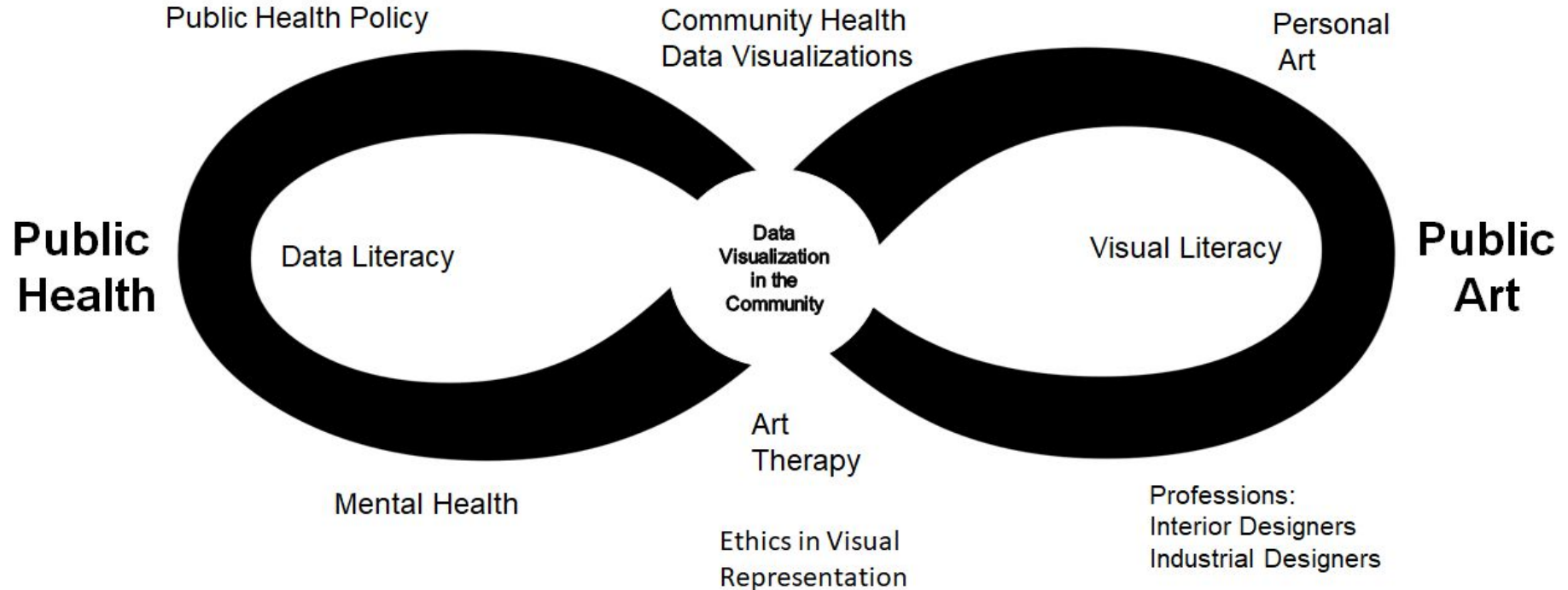
When designing integrative and interdisciplinary curricula, what if we use data visualization as our *critical lens*?



Amy Sonnichsen



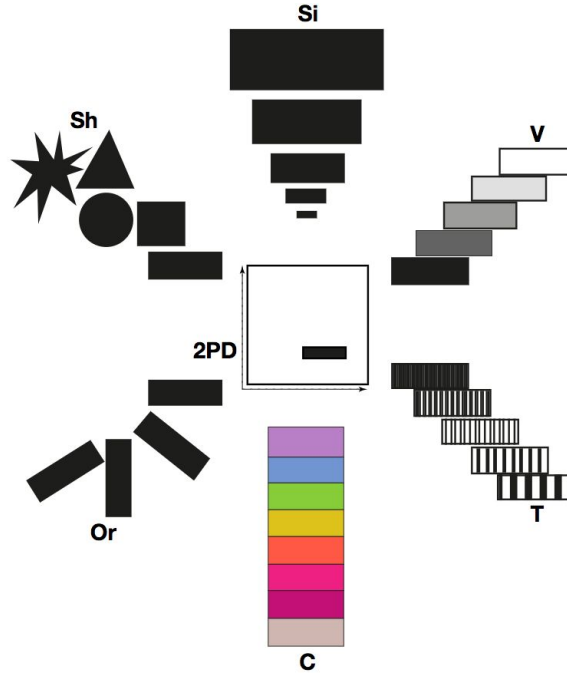
First Year Seminar: Community – Public Health & Public Art in Los Angeles



Discovering visualizations with Bretin



Justin Joque





Andy Rutkowski

WRITING WITH TECHNOLOGY

negative

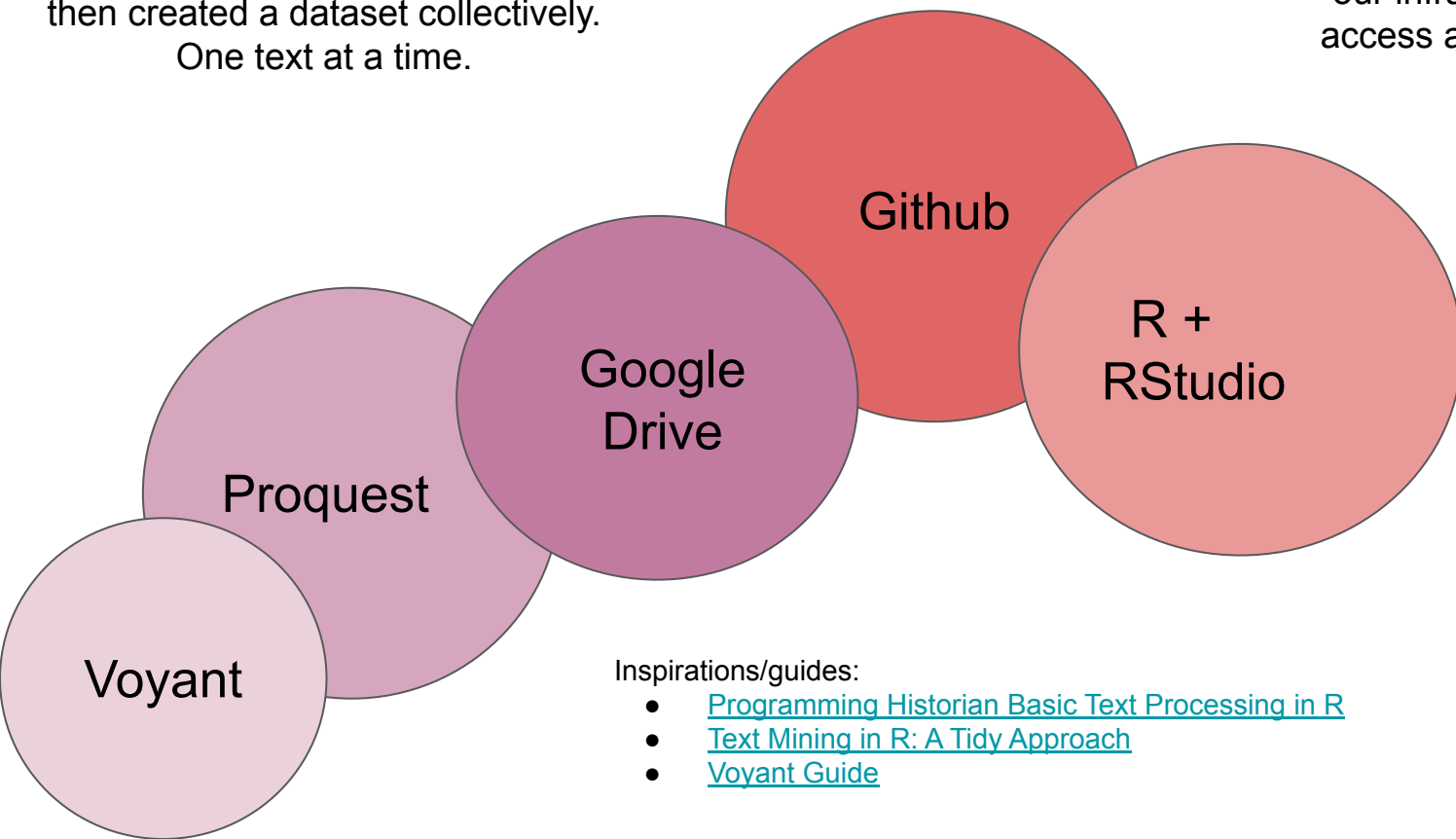


positive

Initial discussions about text analysis.
Developed a search parameter and
then created a dataset collectively.
One text at a time.

Moved prepared text/data to
Github repository so that it
could be accessed via R.

Longer conversations about
sentiment analysis lexicons
(AFINN, Bing, and nrc) and how
our infrastructure would work to
access and create visualizations.



Broad conversations
about R programming
language vs. using
libraries to make
visualizations.

Oh yea, we also
created some
visualizations.

Inspirations/guides:

- [Programming Historian Basic Text Processing in R](#)
- [Text Mining in R: A Tidy Approach](#)
- [Voyant Guide](#)

Thank you!

[VTF website](#)

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