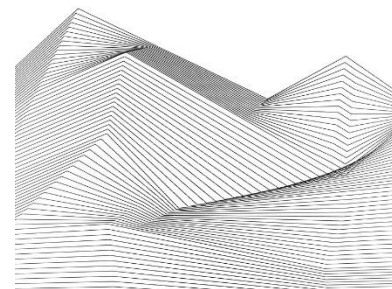


Immersion Session Resources Handout:

Part II: Revisioning Data Visualization Services and Training: Data Storytelling and Data Visualization Lessons from the Field

Presenters: Nancy Shin, Tess Grynock, Sally Gore, and Fred LaPolla



Data Visualization (General)

- Borner, K., Bueckle, A. and Ginda, M. (2019). Data visualization literacy: Definitions, conceptual frameworks, exercises, and assessments. *PNAS* 116(6): 1857-1864.
<https://doi.org/10.1073/pnas.1807180116>
- Cairo, A. (2016). *The truthful art: Data, charts, and maps for communication*. San Francisco, CA: New Riders.
- Cairo, A. (2012). *The functional art: An introduction to information graphics and visualization*. San Francisco, CA: New Riders.
- Engebretsen, M., & Kennedy, H. (2020). *Data Visualization in Society*. Amsterdam, Netherlands: Amsterdam University Press. <https://doi.org/10.2307/j.ctvzqb8c7>
- Kirk, A. (2016). *Data visualisation: A handbook for data driven design*. Los Angeles, CA: Sage Publications.
- Zoss, A. M. (2016). Designing public visualizations of library data. In L. Magnuson (Ed.), *Data Visualization: A Guide to Visual Storytelling for Libraries* (pp. 19–44). Lanham, MD: Rowman & Littlefield Publishers. Open access version: <https://hdl.handle.net/10161/17593>

Data Visualization Blogs+

- [Data Viz Today podcast](#) by Alli Torban
- [Flowing Data](#) by Nathan Yau
- [Information is Beautiful](#) by David McCandless
- [Multiple Views: Visualization Research Explained](#)
- [Policy Viz podcast](#) by Jonathan Shwabish
- [Stephanie Evergreen's blog](#)
- [Storytelling with Data](#) by Cole Nussbaumer Knaflic- website, blog, and podcast!

Data Storytelling

- Data Storytelling course: <https://learning.qlik.com/course/view.php?id=1106>
- Knaflic, C. (2015). *Storytelling with data: A data visualization guide for business professionals*. Hoboken, New Jersey: Wiley Magnuson
- Tableau's 7 Data Stories:
https://public.tableau.com/profile/ben.jones#!/vizhome/WorldPopulationDay/1_ChangeOverTime
- Tableau, Best Practices for Telling Great Stories:
https://onlinehelp.tableau.com/current/pro/desktop/en-us/story_best_practices.htm

Data Comics

- <https://www.datacomics.net/>
- Bach, B, Riche, N.H., Carpendale, S., & Pfister, H. (2017). The emerging genre of data comics. *IEEE Computer Graphics and Applications* 37(3), 6-13. <https://doi.org/10.1109/MCG.2017.33>
- Alamalhodaiei, A., Alberda, A., & Feigenbaum, A. (2020). Humanizing data through ‘data comics’: An introduction to graphic medicine and graphic social science. In Engebretsen M. & Kennedy H. (Eds.), *Data Visualization in Society* (pp. 347-366). Amsterdam: Amsterdam University Press. doi:[10.2307/j.ctvzgb8c7.27](https://doi.org/10.2307/j.ctvzgb8c7.27)

Data Visualization Ethics

- [A Data Point Walks Into a Bar: Designing Data for Empathy](#) by Lisa Charlotte Rost
- D'Ignazio, C., & Klein, L. F. (2016). [Feminist data visualization](#). In Workshop on Visualization for The Digital Humanities (VIS4DH), Baltimore.

Visualization as a Data Service

- Brandenburg, M.D., and Joque, J. (2016). Contextualizing visualization in library services. In Federer L. *The Medical Library Association Guide to Data Management for Librarians* (pp.139-150). Lanham, MD: Rowman & Littlefield Publishers.
 - A short overview of the history of data visualization and the different data visualization services that libraries can offer.
- Fort, D.G., Herr, T.M., Shaw, P.L., Gutzman, K.E., and Starren, J.B. (2017). Mapping the evolving definitions of translational research. *Journal of Clinical and Translational Sciences* 1, 60–66. <https://doi.org/10.1017/cts.2016.10>
 - Some examples of bibliometric visualizations that could be created by librarians.
- LaPolla, F.W.Z., and Rubin, D. (2018). The "Data Visualization Clinic": a library-led critique workshop for data visualization. *Journal of the Medical Library Association* 106(4), 477–482. <https://doi.org/10.5195/jmla.2018.333>
 - How the Data Visualization Clinic was created at NYU where researchers were asked to present one of their visualizations to be critiqued by the audience.

Visualization and Reproducibility

- National Academies of Sciences, Engineering and Medicine. 2019. *Reproducibility and Replicability in Science*. Washington, D.C.: The National Academies Press.
- Wilson, G. Bryan, J. Klitzes, J., Nederbragt, L, Tealk, T. (2017) “Good Enough Practices in Scientific Computing.” *PLOS Computational Biology*. <https://doi.org/10.1371/journal.pcbi.1005510>