

Visualizing Quantitative Data

BIS 232

Day 12) Visualizing Distributions

Readings / Assignments:

- Cairo, Alberto. 2016. “The Variance and the Standard Deviation.” *The Truthful Art: Data, Charts, and Maps for Communication*. Berkeley: New Rider. (pp. 171-188)
- Agresti, Alan. 2018. “Chapter 5: Statistical Inference: Estimation.” *Statistical Methods*. (5th Edition). (pp. 115-150)

Optional:

- “Crash Course Statistics #18: Z-Scores and Percentiles”:
https://www.youtube.com/watch?v=uAxyL_XfqXk

Day 17) Maps

Readings / Assignments:

- Cairo, Alberto. 2016. “Mapping Data.” *The Truthful Art: Data, Charts, and Maps for Communication*. Berkeley: New Rider. (pp. 263-298)
- Look at 5 of the maps from the exhibit *Places & Spaces: Mapping Science* (get a sense of the wide variety of unconventional forms you can use to map data):
<http://scimaps.org/iteration/maps>