



Dr. Abby Benninghoff
Professor of Toxicology
Interim Head: Animal, Dairy and Veterinary Sciences



October, 2022 | 10:00 a.m. - 11:00 a.m.
Merrill-Cazier Library | Room 154 | Zoom

GrTS
Graduate Training Series

School of Graduate Studies
UtahStateUniversity.

Resources

- Edward R. Tufte, *The Visual Display of Quantitative Information* (1983)
- Claus O. Wilke, *Fundamentals of Data Visualization* (2019)
Available as online resource @ <https://clauswilke.com/dataviz/>
- Kieran Healy, *Data Visualization – A Practical Introduction* (2019)
- Sarah Schwartz, “Powerful Publishable Plots” presentation, October 2018 at Utah State University, www.cehs.usu.edu/research/statstudio
- Scribendi – Top 10 tips for designing graphical abstracts (<https://tinyurl.com/4z2dk6kp>)
- BioRender – Top 5 design Tips for winning graphical abstract YouTube video <https://www.youtube.com/watch?v=35x2nPMzWbE>

Software to check out

- SigmaPlot <http://www.sigmaplot.com/>
- **GraphPad Prism** <http://www.graphpad.com/> (preferred)
- bioRender.com for biological graphics
- Guide and examples for ggplot2 in R
 - <https://ggplot2.tidyverse.org>
 - <https://ggplot2-book.org>
 - <https://r-graph-gallery.com/ggplot2-package.html>

Graphics reveal data,
communicate complex
ideas and dependencies
with clarity, precision and
efficiency

-Edward R. Tufte
“*The Visual Display of Quantitative
Information*”

The BEST graph is one which:
“gives to the **VIEWER**
the greatest number of **IDEAS**
in the shortest **TIME**
with the least **INK**
in the smallest **SPACE.**”