

Data Visualization II



USC SPEC Lab Summer 2020

The goal: We're going to continue working with ggplot2 to visualize relationships between variables. In this module, we will learn how to use scatterplots, line graphs, and heat maps for visualization of multivariate relationships.

Introductory Videos

Ggplot2 continued

- [Data Visualization 2.1 Multivariate Graphs](#)
- [Data Visualization 2.2 Line Graphs](#)
- [Data Visualization 2.3 Making Maps](#)

1. Walk Through Work

Data Visualization II Walkthrough Part I
Data Visualization II Walkthrough Part II

2. Group Work

Groupwork on scatterplots

(Note: This Groupwork is still a little rough around the edges as of August 2020)

3. Individual Work

Data Visualization II Homework (Land-Orientation Figures)

Resources

R Studio Cheat Sheets

<https://ggplot2.tidyverse.org/>

Additional Tutorial on ggplot2

[http://tutorials.iq.harvard.edu/R/Rgraphics/Rgraphics.html#geometric objects and aesthetics](http://tutorials.iq.harvard.edu/R/Rgraphics/Rgraphics.html#geometric_objects_and_aesthetics)

ColorBrewer (Color Advice for Maps)

<https://colorbrewer2.org/#type=sequential&scheme=BuGn&n=3>

- above is only one example of the many resource available online on customizing plots