Data Visualization III

USC SPEC Lab Spring 2025

The goal: Welcome to the final module of our data visualization series. In this module, we'll focus on visualizing regression results using dot-and-whisker plots—a popular method for displaying the outcomes of regression analyses. By the end of this module, you'll integrate skills from previous lessons in data management and regression analysis to master both dot-and-whisker plotting and tidying regression results, preparing your data for any personalized visualization beyond dot-and-whisker plots. These skills are essential for effectively communicating your regression findings.

1. ## Introductory Videos

   Visualizing Regression Results Introduction

   Visualizing Regression Results Example 2

   Visualizing Regression Results Example 3

2. ## Walk Through Work

   Visualizing regression results with dot-and-whisker plots using the ggcoefstats function from the ggstatsplot package.

3. ## Group Work

   Practicing with Aslaksen (2010) Data

4. ## Individual Work

   Homework Problem Set

   ## Resources

   R Studio Cheat Sheets
   - **Data Transformation with dplyr**
   - **Data Import with readr, readxl, and googlesheets4**
   - **ggplot2 cheatsheet**
   - **ggcoefstats GitHub page**
   - **ggcoefstats comprehensive overview**