

# Data Management III



USC SPEC Lab Spring 2025

**The goal:** We're going to hone our Data Management skills by preparing country-year and region-year data for visualization. We'll practice simplifying and summarizing data by region, year, decade, and country. These scripts will come in handy when trying to visualize patterns across time and space.

## 1. Introductory Videos

[Revisiting group\\_by\(\) and summarise\\_at\(\) in Pre-Processing for Data Visualization](#)

[Using group\\_by\(\) and summarise\\_at\(\) for Data Visualization](#)

[Revisiting join\(\) commands for Data Visualization](#)

## 2. Walk Through Work

Aggregating & Summarizing for Data Visualization with IDC Powersharing Dataset

## 3. Group Work

Practicing Aggregating & Summarizing for Data Visualization with IDC Powersharing Dataset

## 4. Homework

Homework Problem Set with IDC Powersharing Dataset

## Resources

R Studio Cheat Sheets

- [Data Import with the tidyverse](#)
- [Data Transformation with dplyr](#)