Data Management I

USC SPEC Lab Summer 2024

The goal: We're going to get started with data management. In this module, we're going to learn how to view, arrange, and modify the data using the tidyverse and dplyr packages. By the end, you should be able to find, isolate, and edit existing variables, as well as create new variables, preparing you for complex data analysis tasks.

1. Introductory Videos

[Welcome to Data Management Using dplyr](#)

[Overview of dplyr and Data Exploration](#)

[Using select() from dplyr to Subset by Variable](#)

[Using filter() from dplyr to Subset by Observation](#)

[Using the Pipe Operator with dplyr](#)

[Using arrange() from dplyr to Reorder Variables](#)

[Using mutate() from dplyr to Create New Variables](#)

[Using summarise() and group_by() from dplyr](#)

[Using group_by, nth(), n_distinct from dplyr and Wrap-up Exercise](#)

2. Walk Through Work

Data Management I with tidyverse and dplyr

3. Group Work

Power Sharing Group Problem Set

4. Individual Work

Power Sharing Homework Problem Set

Resources

R Studio Cheat Sheets

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