

Week 12: Geographic Data

Data Wrangling and Visualization

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F2025

Due This Week: Problem Set 10

Lecture: Geographic Data

Readings & Reference Material

- Core Reading
 - DMSS, ch 11
- Vignettes
 - How to make fancy road trip maps with R and OpenStreetMap
 - Making Middle Earth Maps in R
- Reference Materials
 - Walker, [Analyzing US Census Data: Methods, Maps, and Models in R](#)
 - Brunsdon and Comber, *An Introduction to R for Spatial Analysis and Mapping*. An excellent introduction to using R as a GIS package.
 - Brunsdon and Comber, *Geographical Data Science and Spatial Data Analysis: An Introduction in R*. Despite its name, a companion book to the above, not a replacement. It's a little higher level.
 - Lovelace, et al. *Geocomputation with R*. A more in depth guide to spatial data in R.
 - Bivand, et al. *Applied Spatial Data Analysis with R*. Another more in depth guide to spatial data in R.
 - Singleton, et al. *Urban Analytics*.

Due Next Week: Final Project Identification