

# 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