

Week 12: Geographic Data

Data Wrangling and Visualization

Prof. Jack Reilly

Fall 2026

Due This Week: Problem Set 10

Lecture: Geographic Data

[Download slides \(PDF\)](#)

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, Practicum 2
