

Week 11: Cartography

Data Wrangling and Visualization

Prof. Jack Reilly

F2025

Due This Week: [Problem Set 9](#)

Readings & Reference Material

Lecture: An Introduction to Cartography

Reading

- Core Reading
 - DV, ch 7
 - DMSS, ch 11
 - [“Color, Classification, and Choropleth Symbolization”](#)
- Cartography Illustrations
 - [Why all world maps are wrong](#)
 - [How to avoid being fooled by bad maps](#)
 - [Projection comparison](#)
 - [The True Size Of](#)
- Reference Materials
 - 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.
 - Field, *Cartography*. A foundational guide to cartography with a computer.
 - 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: [Problem Set 10](#)