Day 04 - Activities: Data Formats and Open-Source GIS

Lecture (in class):
- Lecture 4: Data Formats and Open-Source GIS (PDF)
- Demonstration: GIS Files
  - CSV: Excel
  - Shapefiles: Mapshaper
  - GeoJSON: Geojson.io

Lab (in class):
- QGIS Tutorials (Chinese Tutorials: here)
  - Tutorial 4a: Working with Attributes
  - Tutorial 4b: Importing Spreadsheets or CSV
  - Tutorial 4c: Performing Table Joins
- R Tutorial

Reading:
- Article: 27 Differences Between QGIS and ArcGIS
- QGIS Examples: Map Examples
- GIS - An Introduction (McHaffie and Hwang, 2019)
  - Chapter 8: Open Source GIS (pp 217-238)

Research:
- Leaflet: open-source JavaScript library for mobile-friendly interactive maps
- D3 Mapping:
  - D3 Wiki: Assortment of D3 examples
  - D3 Geographic: D3's approach to rendering geographic information