Day 06 - Activities: Spatial Analysis

Lecture (in class):
- Lecture 6: Spatial Analysis (PDF)
- Demonstration:
  - Wind Farm Site Analysis
  - Video: Clip, Erase, Intersect, and Union in ArcPro

Lab (in class):
- ArcGIS Pro Tutorials
  - Tutorial 6a: Geoprocessing Toolbox: Invasive Weeds
  - Tutorial 6b: Are there any places in the city to build a mixed-use development?
  - Tutorial 6c: Are liquor stores too close to schools, libraries, and parks?

Reading (Homework):
- ArcGIS Book - Chapter 05: The Power of Where
  - English version
  - Chinese version
- The Language of Spatial Analysis (pp. 21-32)
- ArcGIS Pro Documentation:
  - Buffer analysis
  - Overlay analysis (ArcMap)
  - An overview of the Overlay toolset
- Essentials of GIS (Campbell, 2011)
  - Chapter 7 - Geospatial Analysis I: Vector Operations (pp 167-184)

Homework:
- Complete Tutorial 6b **or** 6c (above) using one of the following softwares:
  - ArcMap **or** ArcGIS Online **or** QGIS
- Story Maps - Begin: Create a Story Map Cascade (San Diego):
  - Start the Cascade Builder,
  - Configure the cover for your Cascade
  - Add some introductory text and photos
  - Add a map
- Read: Getting to Know the New Story Maps

07 August 2019