

## 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: [Evaluate Locations for 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](#)