

# Assignment 3. Capstone draft outline



## Directions:

Step 1. Think about the outlines (table of contents) that you found in your thesis searches. They are usually outlined with *introduction*, *literature review*, *data and methods*, *results*, *discussion* and *conclusion*.

Step 2. Fill out the outline below adding bullet points to the different sections. **Try to be as specific as possible. You can change things later** but try to plug in as many visualizable nouns as possible (e.g., "palm trees" is better than "ecological data").

Paste these into the textbook on the Canvas assignment page or submit as a word document or PDF. Do not exceed 2 pages.

Title: \_\_\_\_\_

### 1) Introduction (use some of the 'prompting' words below)

- a. Situation
- b. Motivation
- c. Problem Statement
- d. Research Question / Objective
- e. Hypothesis (these are hard)

### 2) Literature Review

- a. Topic 1
  - i. Topic 1a
  - ii. Topic 1b
- b. Topic 2
- c. Topic 3

### 3) Data

- a. Dataset overview

### 4) Methods

- a. Putting the data together
  - i. Data processing
  - ii. Data assimilation (putting stuff together)
  - iii. Data operations (like, unions, clips)
- b. Spatial analysis
- c. Statistics, etc.

### 5) Results

- a. Answer to RQ1 under circumstances x

- b. Answer to RQ 2 under circumstances x
  - c. Or Answer RQ1 and RQ2 under circumstances x vs these both under circumstances y.
- 6) Discussion
  - a. Interpretation of findings
  - b. Why this matters
  - c. Limitations
- 7) Conclusions (what goes here?)