    1.  Questions

* 1. How does winter length affect summer highs?
  2. Seasonal length on water temps?
  3. Water levels
  4. Variance of
  5. what does it take to raise the water temperature?  how much disparity between ambient temperature and water temp does there have to be for how long to raise the lake ten degrees.  is it linear?

1. Data (daily) (location?)
   1. Vars:

- Temperature (Highs/lows)

- Water temp

- shore

-

- Water level

- Rainfall

- Daylight hours

1. Programming
   1. Want: some kind of automatically updating weather database w/ daily freq in Python only

     4.  Analysis techniques:

a. Bayesian regression

b. support vector machine or kernel ridge regression?

5. Websites for weather data

(a) Use Wunderground; Yahoo weather API

(b) Realtime science grade feeds: NOAA radar composites, NASA MODIS (weird format to scrape since all are projected images, but worth a look)