Individual Project - Week 4

Thursday - 02/10/22 – 2 hrs.

I’ve been searching through the data on the EIA website. I’m discovering that the information is split across numerous files and pages, and combining the data will not be incredibly straight forward.

The next steps I think I should take are **explore for and select the data sets which are the most useful and usable** and then **tidy the data together**.

Sunday – 02/13/22 – 3hrs

My starting point is this [EIA website on the Annual Energy Review](https://www.eia.gov/totalenergy/data/annual/).

Databases Downloaded Today:

1. There is a collection of “State Energy Profiles”, [which can be found here](https://www.eia.gov/electricity/state/). Unfortunately, it seems like they may need to be downloaded individually.
   1. US
      1. [Link](https://www.eia.gov/electricity/state/unitedstates/)
      2. Pathname: /Users/willchapin/Desktop/Downloads for Individual Project/us.xlsx
   2. Alabama
      1. [Link](https://www.eia.gov/electricity/state/alabama/)
      2. Pathname: /Users/willchapin/Desktop/Downloads for Individual Project/al.xlsx
2. Overall U.S. Breakdown by Source
   1. Link
   2. Pathname: /Users/willchapin/Desktop/Downloads for Individual Project/Net\_generation\_for\_all\_sectors.csv
3. Breakdown by State (Consumption, Expenditure, Prices, Per Capita)
   1. Link
   2. Pathname: /Users/willchapin/Desktop/Downloads for Individual Project/stb0106.xls
4. “Complete SED”
   1. Link
   2. Pathname: /Users/willchapin/Desktop/Downloads for Individual Project/Complete\_SEDS.csv

Monday – 02/14/22 – 2hrs

I took this time to reassess what I was doing and how this can move forward more efficiently. I decided that I need to halt exploration and stick to the State Energy Profile sets and begin downloading them all into a directory. From there I plan to make sure that each file, which comes as an xlsx with 17 tables, gets tidied into 17 tables. Then I will need to combine the tables, which will likely 17 different routines for the different formats. As I do that step, I will need to keep an eye out for “foreign keys” in each table so I can relate them more easily.

The remainder of the time I spent Monday was on organizing a directory and beginning to download the many files.