Project Description

In this project we will be analyzing energy data from 1960 to 2017 for the United States. We will look into how the prevalence of different energy sources (i.e. coal and hydroelectric) has changed over time and the usage of these energy sources by state.

Project Assignments

1. Data Extraction/Cleanup – James will extract and clean the data and push final data to github. Our data comes from the following government website: <https://www.eia.gov/>. One data file is an excel file and the other is a csv. The excel file will be converted to a csv file. The csv file needs to be reorganized and the appropriate data selected.
2. Update Readme – James will update the Readme to describe the project and data sources used.
3. Database Formation – Luke will work on forming the database/tables in PostgresSQL.
4. Flask Server – Luke will work on creating a Flask server that connects to the database.
5. Toast UI Visualizations – We will use Toast UI as our new Javascript library. Allyson will work on learning how to use Toast UI to make visualizations including simple/complex bar charts and maps.
6. Make Plot 1 – Allyson will create a visualization using javascript.
7. Make Plot 2 – Allyson will create a visualization using javascript.
8. Make Plot 3 – TBD
9. Make Plot 4 – TBD
10. Dashboard Design – We will all work together to design the format of the dashboard page.