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DSC540

Project Milestone 1

For this project I decided to try using the counties of Florida as the common variable to explore possible relationships between hazardous waste production, dominant political affiliation, and wildlife observations.

**Flat file source:**

<https://geodata.dep.state.fl.us/datasets/60f9a1f29bd24caea9af6db36e0f4170_0?geometry=-97.119%2C24.608%2C-69.324%2C31.392>

This data set from the Florida Department of Environmental Protection shows closed hazardous waste sites in the state of Florida. This data set will act as an indicator of potential hazardous waste producers present in each county.

**Web table source:**

<https://dos.myflorida.com/elections/data-statistics/voter-registration-statistics/voter-registration-reportsxlsx/voter-registration-by-county-and-party/>

This table provides the number of registered voters in each county, as well as the distribution of party affiliation. This data set can contribute information regarding voter demographics in each county.

**API source:**

<https://bison.usgs.gov/#api>

The “Biodiversity Information Serving Our Nation (BISON)” is managed by the U.S. Geological Survey and provides species occurrence data for many animal species throughout the country. This data set will be used to attempt to find indicators of the environmental health of each county.

These data sources all include the county of occurrence/observation, providing the common element to explore relationships between them. Moving forward, these data sets will, of course, need to be cleaned, explored more fully, and organized into a useful form. I expect to organize the data by county to accommodate this further exploration and any merging/joining operations. Temporal information will need to be explored and handled appropriately. Initial exploration revealed many coded and irrelevant variables that will need to be defined and/or removed. I also noticed many missing values, which will also need to be handled appropriately.