Project 2 – Public Support for Renewable vs. Non-Renewable Energy Sources

MTH 161 – Fall 2024

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2024-11-13

Part 1: Choose a Dataset and Propose a Question

Dataset:

I am using the Pew Survey on Energy Sources in 2018. This dataset includes responses to questions about public support for increasing various energy sources, such as solar, wind, coal, and nuclear power. The data contains responses like "favor_increase" or "no_increase," which indicate whether people think these energy sources should be expanded.

Variables:

- solar_panel_farms: List of responses on solar farms.

- wind_turbine_farms: List of responses on wind turbine farms.

- offshore_drilling: List of responses on offshore drilling.

- hydraulic_fracturing: List of responses on hydrolic fracturing.

- coal_mining: List of responses on coal mining.

- nuclear_power_plants: List of responses on nuclear.

Source: The data is sourced from the Pew Research Center: Pew Survey on Energy Sources in 2018.

Research Question:

"Do people support increasing renewable energy sources like solar and wind more than non-renewable sources like coal and nuclear?"

Data:

```r
glimpse(energy_data)
```

```
Rows: 2,541
Columns: 6
$ solar_panel_farms    <chr> "favor_increase", "favor_increase", "favor_increa~
$ wind_turbine_farms   <chr> "favor_increase", "favor_increase", "favor_increa~
$ offshore_drilling    <chr> "favor_increase", "no_increase", "no_increase", "~
$ hydrolic_fracturing  <chr> "no_increase", "no_increase", "no_increase", "no_~
$ coal_mining          <chr> "favor_increase", "no_increase", "no_increase", "~
$ nuclear_power_plants <chr> "no_increase", "no_increase", "favor_increase", "~
```