<https://www.eia.gov/electricity/gridmonitor/knownissues/xls/ERCO.xlsx>

This dataset is from the U.S. Electricity Information Administration (EIA) website. It focuses on ERCO, which is the balancing authority for Texas. There are 70 columns, and they consist of energy demand, power generation, and co2 emission metrics. Furthermore, this is a time series dataset that is measured on an hourly basis from July 1st, 2015 at 6am to May 26th, 2024 at 1am, meaning that there are a total of 78,048 rows in this dataset.

4 different groups for columns: Demand, net generation, co2 factor and co2 emissions

* Positive generation, consumed electricity
* Cen, cfe, swpp, total interchange (TI)

Outline introduction:

Explain energy topics

Explain eia

Explain dataset, how it was collected, measured and variables

Talk about research question and hypothesis