Introduction:

Time Series Graphs:

HDD Over Time

A blue lines on a white background

Description automatically generated

What it means

Natural Gas Price over Time

A graph showing a natural gas price

Description automatically generated

What it means

Scatter Plot relationship between HDD vs Natural Gas Price. (each point is a specific time period, x axis is time, and y will be both HDD and Natural Gas Price) Have to scale the graph’s y axis to 2 different scales.

Correlation Analysis between HDD and Natural Gas Price

Do regression analysis,

Model Prediction vs. Actual Values: Plotting predicted natural gas prices against actual prices to visualize how well the model fits the data.