05/09/2022 Monday

Prediction on gas price

1. Where: 1 state – California
2. When: depends on our analysis? Upcoming the rest of the year of 2022 (the last half)

Monthly, quarterly, mid-year, yearly

1. U.S.
2. California
3. Since 2000 to current

US - Gas consumption, gas production, gas imports, population, gas prices by type, date

Output – gas price

California -

Population data: <https://www.multpl.com/united-states-population/table/by-year>

https://www.eia.gov/opendata/qb.php?sdid=PET.EMM\_EPM0U\_PTE\_NUS\_DPG.W

<https://github.com/madsenmj/ml-gas-price>

Phoebe: Square role, Circle, and X

Kim: Triangle role, Circle, and X

5/10/2022 Tuesday

From the circles: Excel, Python, ETL, Web Scraping, Machine Learning

US – focusing on the U.S. analysis in general

5/11/2022 Wednesday

Kim – Resources, ERD, **saving into database, folder structure**

Phoebe – overview, **Data cleaning for gas price, gas consumption, gas production**

5/12/2022

A picture containing timeline

Description automatically generated

Table

Description automatically generated with low confidenceGraphical user interface, application

Description automatically generated

Kim: Make a new branch to save new data files

Build new ERD

(US imports of total gasoline weekly -delete)

Gas price by type – change to monthly

US All grades all formulations retail prices weekly – change to monthly

Total 10 files including weekly California file & US All grades all formulations retail prices weekly

Phoebe: work on the date files on jupyter notebook