05/09/2022 Monday

Prediction on gas price

1. Where: U.S and relate to 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. in general

5/11/2022 Wednesday

Understand the database. And decided to use pgAdmin to import datasets, and use Jupyter notebook to preprocess datasets.

Datasets research and sourced

Download csv files.

5/12/2020 Thursday

Kim: build ERD, and continue to do data research

Phoebe: cleaning new datasets

Meeting: merge one branch, updated datasets, figure out which ML model to use and design

5/13/2022 Friday (1.5hr zoom meeting)

Kim: exchange datasets, and report files issue, and error codes need to be fixed.

Phoebe: updates preprocessing data, help Kim to fix error message, main branch renewal.

Next meeting planning:

Kim: create database in pgAdmin, connect data from Jupyter notebook. Updates ERD.

Phoebe: updates main branch, work on the repo README.md and clarify roles for the project. Planning presentation details.