Assignment-1

Notes from videos

Xiaoyi Cui

Positron

Getting Started with Positron: A Quick Tour

Folder from Git

`File-New Folder from Git`-enter the http (e.g.: https://github.com/posit-dev/posit-conf-2025-positron-assistant-demo.git)

Underlined packages are not installed

Install Packages

1. In the terminal, enter `uv venv` to create virtual environment
2. Enter `.venv\Scripts\activate`
3. e.g. `uv pip install -r requirements.txt` or `uv pip install jupyter`

For Help `help()`

e.g.: In the console, enter `help(p9.theme_minimal)`

Your First Python Project in Positron

```python
import pandas as pd
import matplotlib.pyplot as plt


data_url = 'https://raw.githubusercontent.com/rfordatascience/tidytuesday/main/data/2025/2025
df = pd.read_csv(data_url, parse_dates=["date"])
```
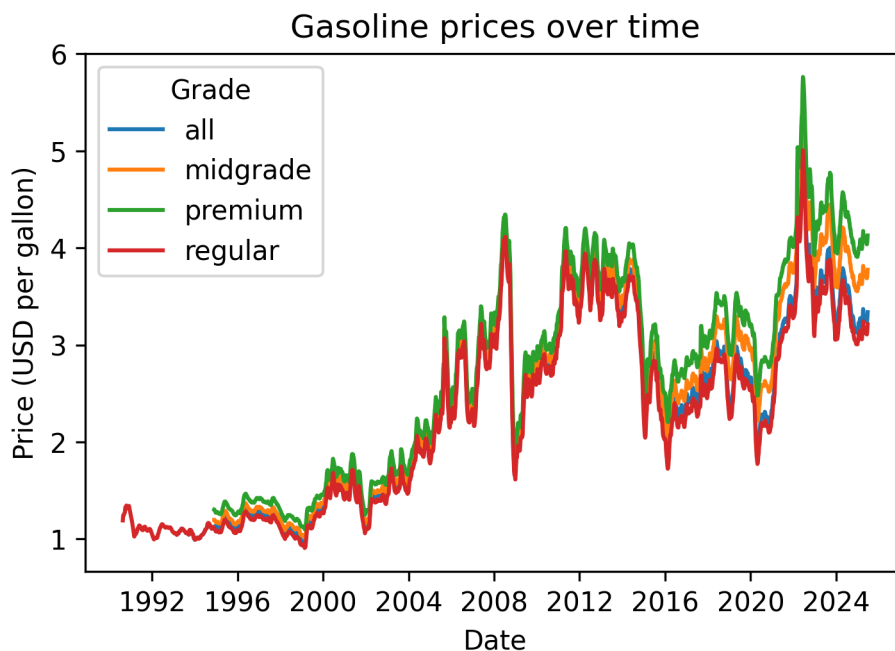
```
filtered = df[
    (df["fuel"] == "gasoline") &
    (df["formulation"] == "all")
]
filtered = filtered.sort_values("date")

for grade, group in filtered.groupby("grade"):
    plt.plot(group["date"], group["price"], label=grade)

plt.title("Gasoline prices over time")
plt.xlabel("Date")
plt.ylabel("Price (USD per gallon)")
plt.legend(title="Grade")
```


Push to Github

Source Control in the