

10.2 - Gas Prices

The `2008_Weekly_Gas_Averages.txt` file contains the average price of gas in the United States for each week in the year 2008 (source: U.S. Energy Information Administration). There are 52 lines in the file, one for each week of the year.

Write a program that reads the contents of the `txt` file, and uses `matplotlib` to plot the data as a line graph. A sample of the resulting line graph is shown below. Your graph should exactly match the sample, including axis limits, axis labels, title, and grid lines.

Save the resulting figure as `gas_prices_login.pdf` and save your completed Python program as `gas_prices_login.py`, where `login` is your Purdue login. Then submit both of them. You do not need to submit a screenshot for this exercise.

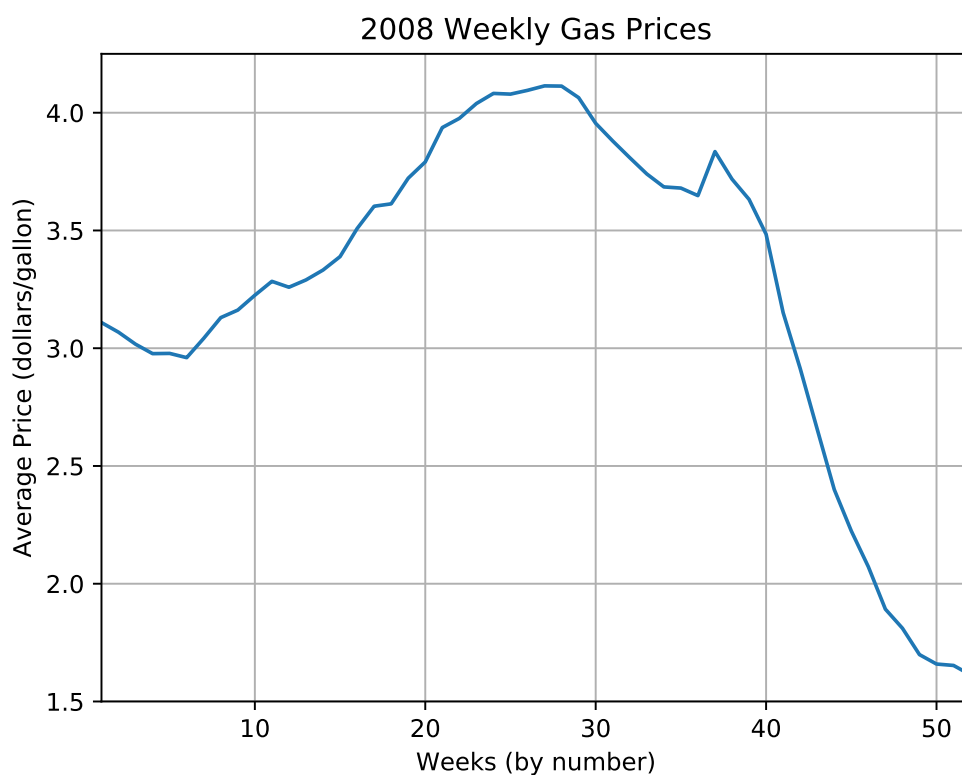


Figure 1: Sample gas prices line graph for Exercise 10.2.