How did Covid-19 affect the stock price of Pfizer Inc.?

https://github.com/grayusan/data_analysis_econ_project

? Hypothesis

The new demand for Pfizer vaccines dramatically increased as there was need for them, which led to increase the price of Pfizer's stock price.

There must be a trend of increase in the stock price.

Methods

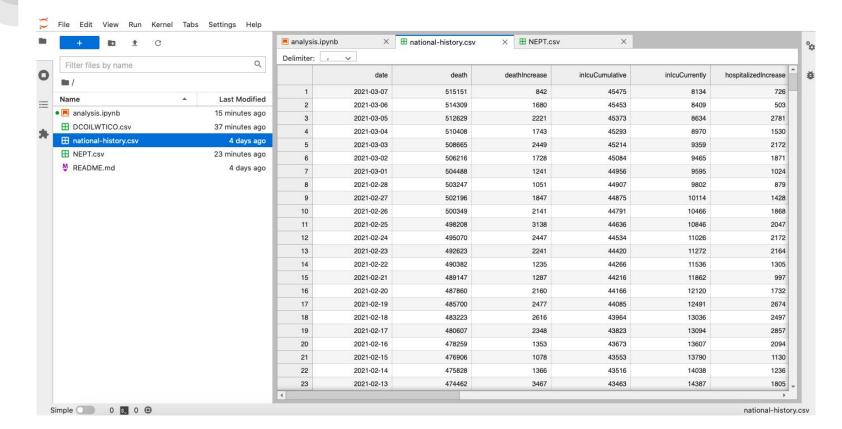
We used Pandas - a common data analysis tool

Datasets: stock prices of Pfizer over time & COVID-19 data of the US

(https://finance.yahoo.com/quote/PFE/history?p=PFE)

(https://covidtracking.com/data/download)

Datasets



Creating datasets

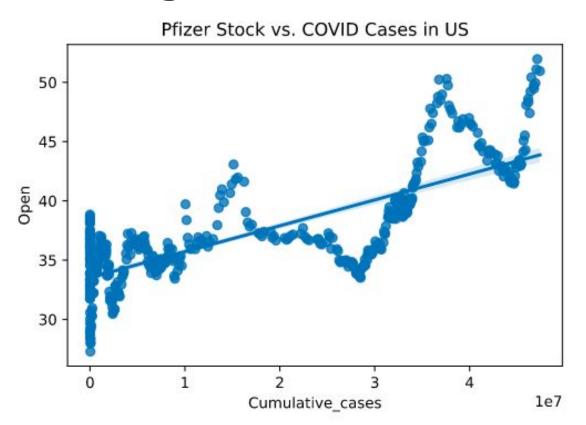
Importing datasets:

```
# oil_prices = pd.read_csv("DCOILWTICO.csv", sep=",")
oil_prices = pd.read_csv("NEPT.csv", sep=",", parse_dates=[0],index_col=0)
covid_data = pd.read_csv("national-history.csv", parse_dates=[0],index_col=0)
```

Merging datasets:

```
# Merge datasets
merged_data = pd.merge(pfe_prices, covid_data, how="inner", left_index=True, right_index=True)
merged_data = pd.merge(merged_data, oil_prices, how="inner", left_index=True, right_index=True)
```

Graphing



Analysis

X-axis: Cumulative cases of COVID-19

Y-axis: The stock price

The price increased as there were more cases!