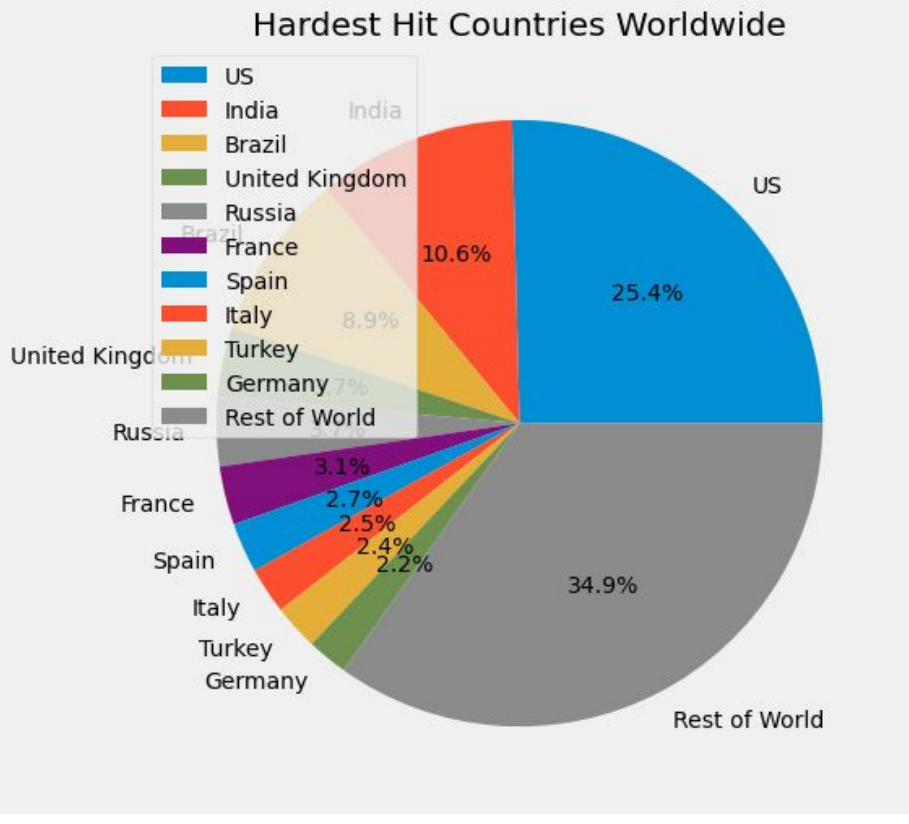
Datathon

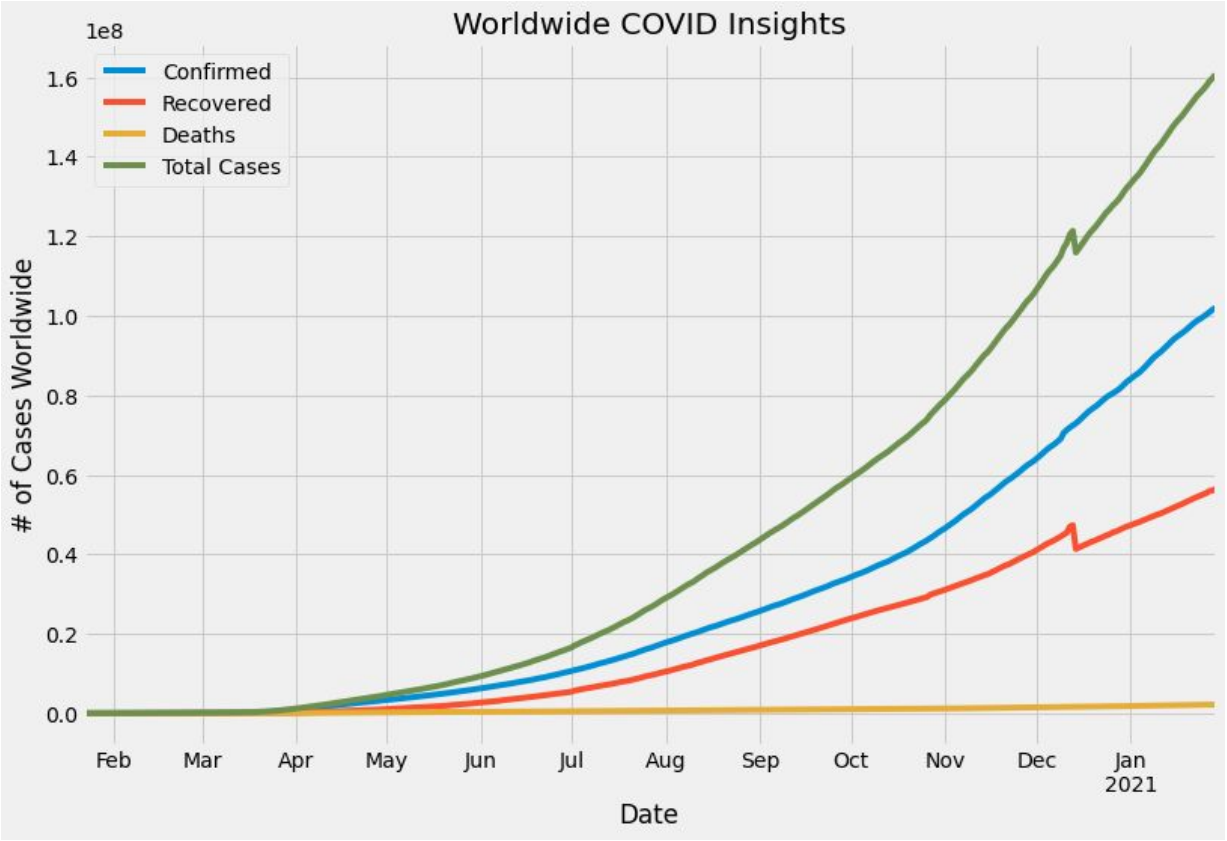
Team Members: Ariana, Arsela, Grant, Bing

Covid-19 Data Analysis

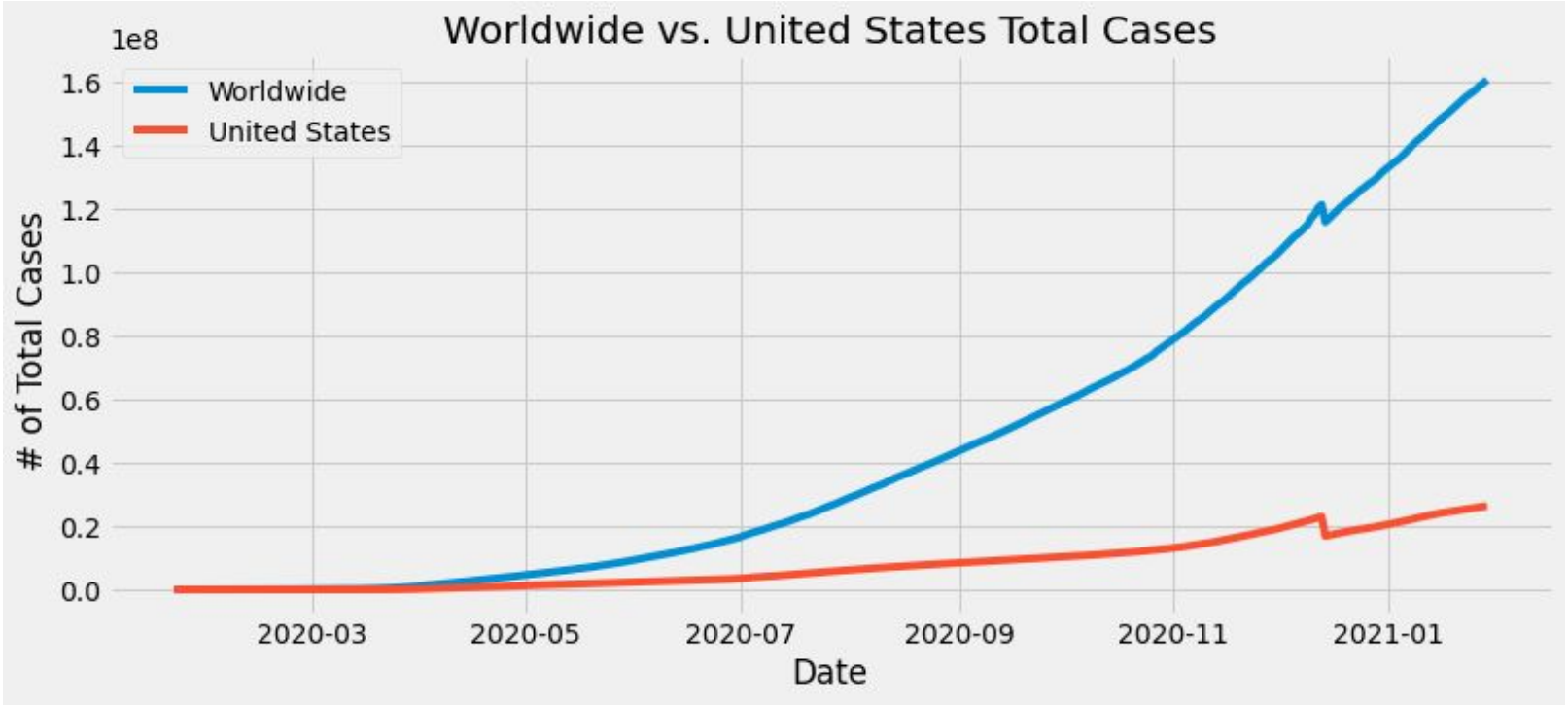
COVID-19 Overview



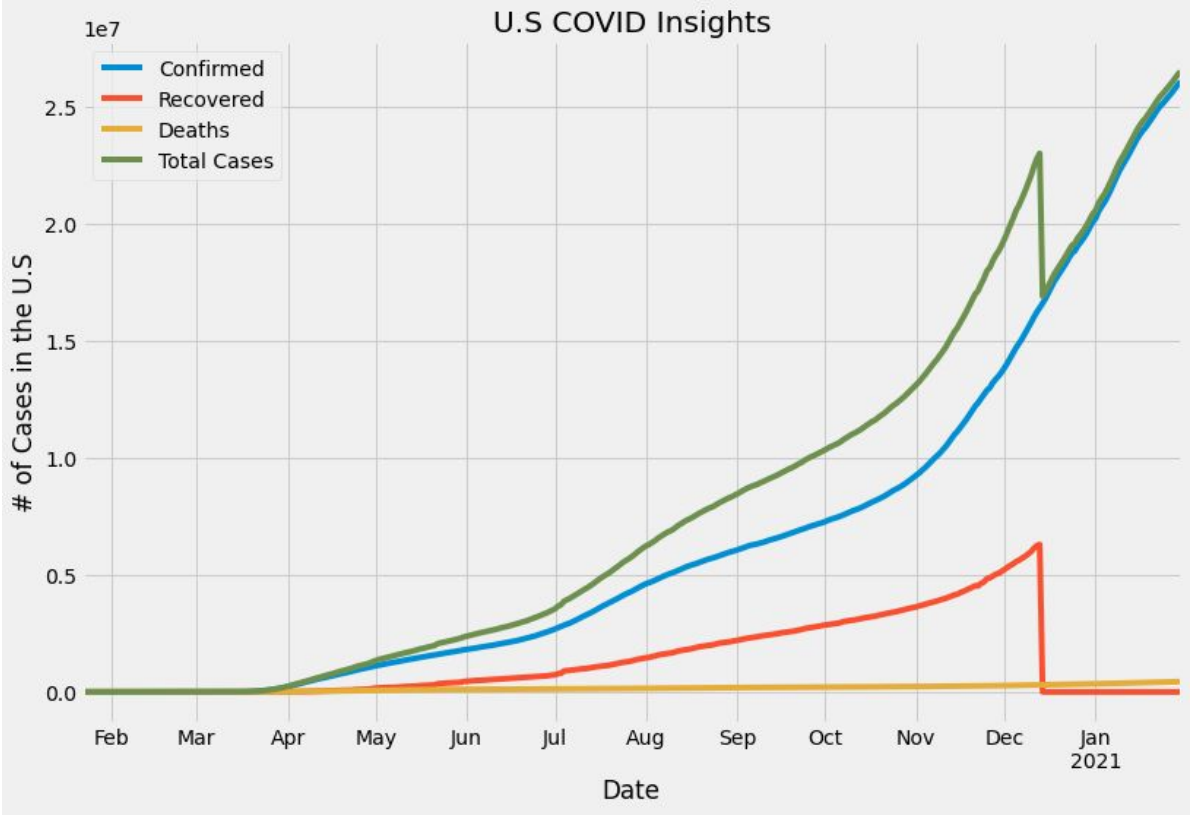
COVID-19 Insights Worldwide



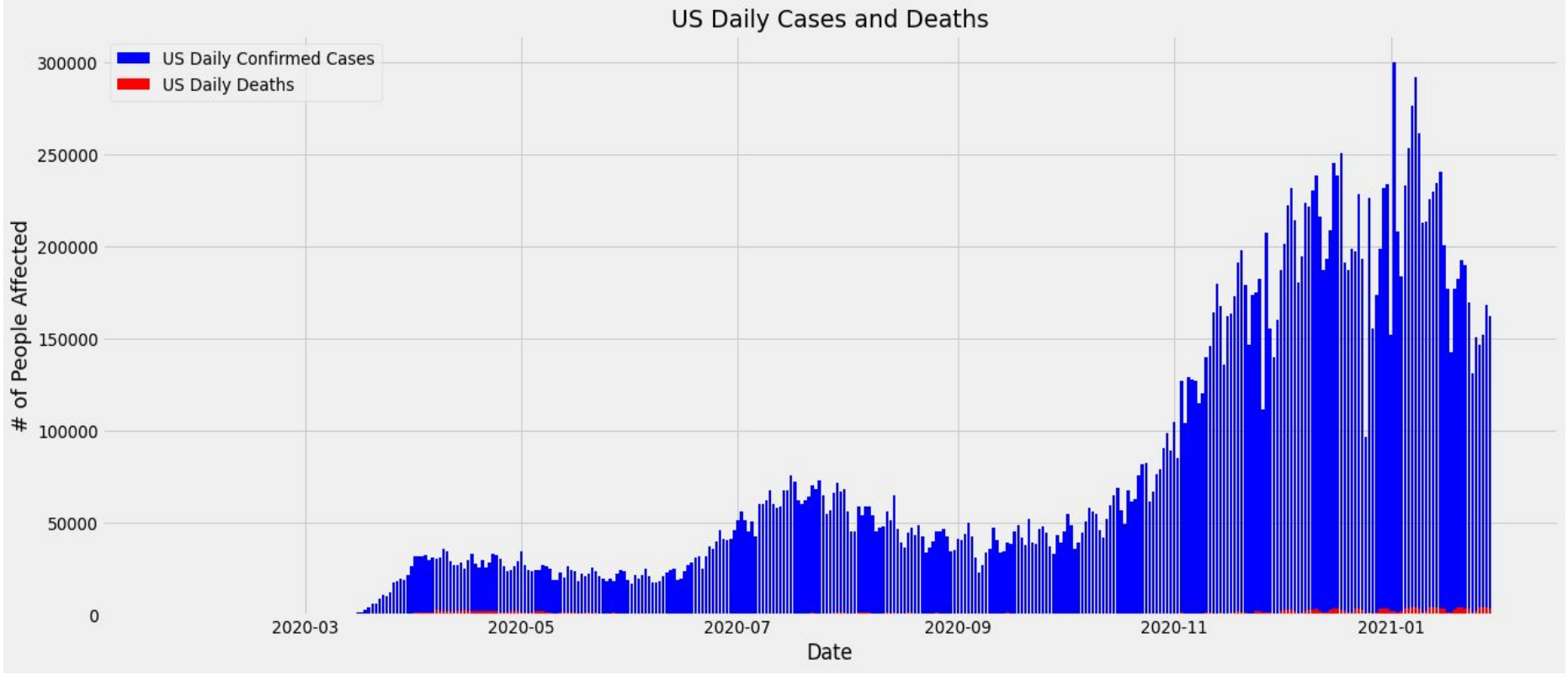
Worldwide vs. United States



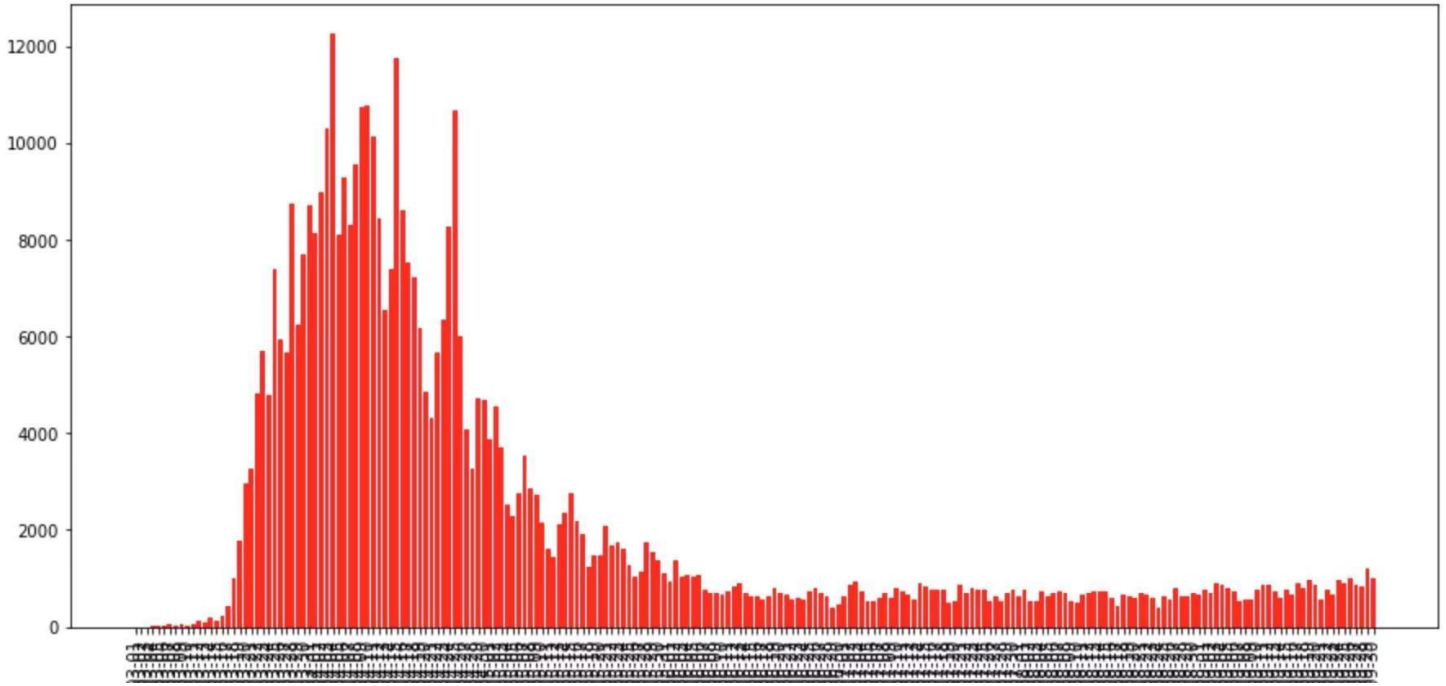
U.S COVID-19 Insights



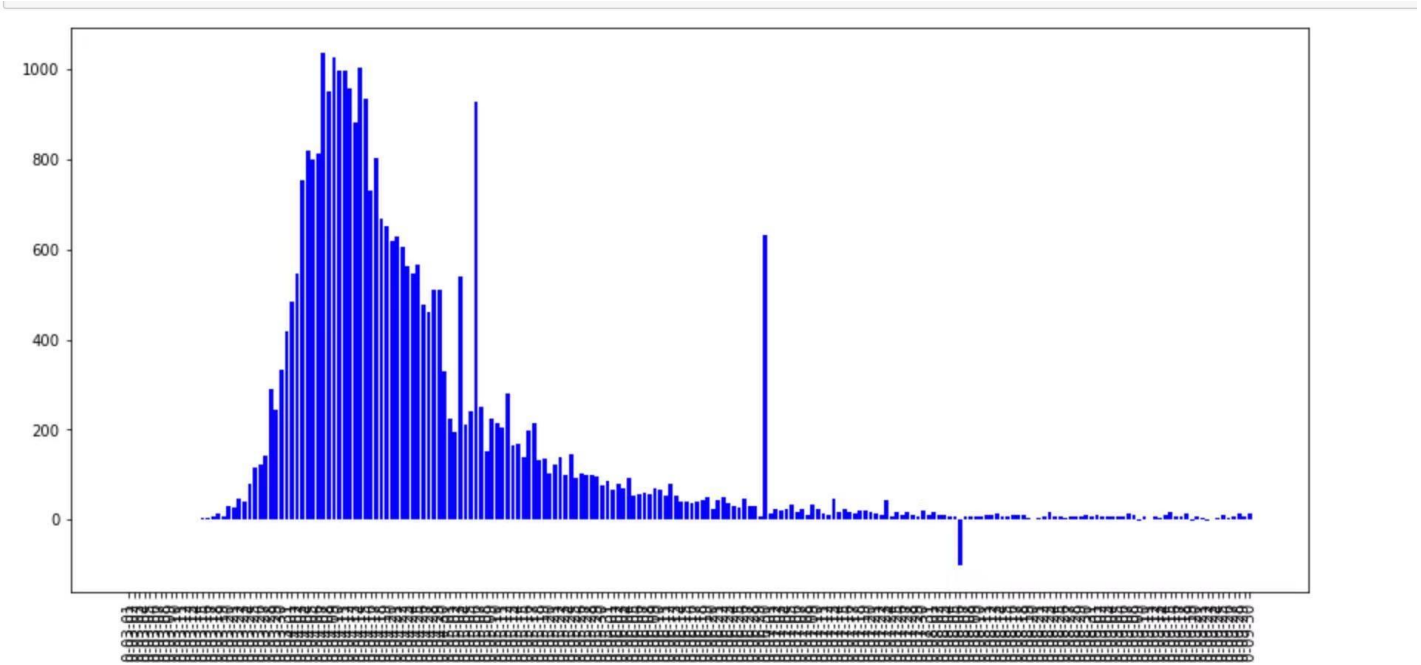
U.S Daily Cases and Deaths



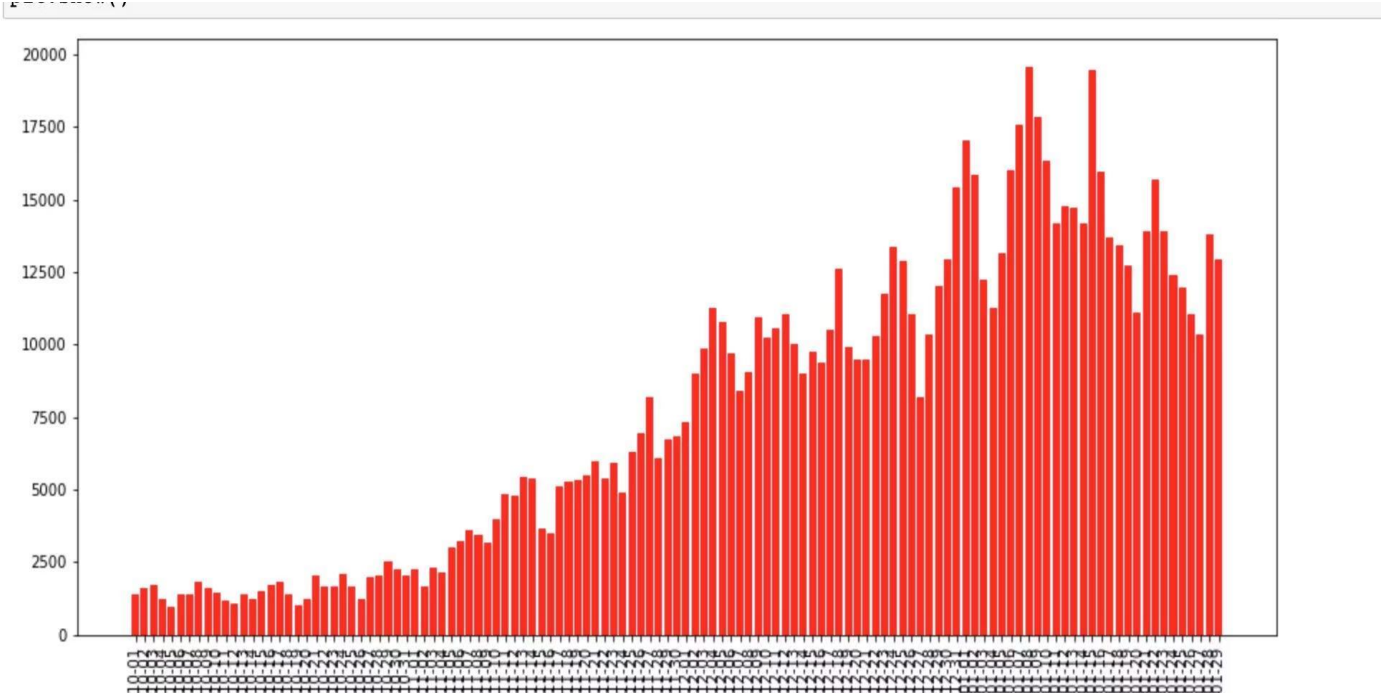
New Cases for NY from March to September



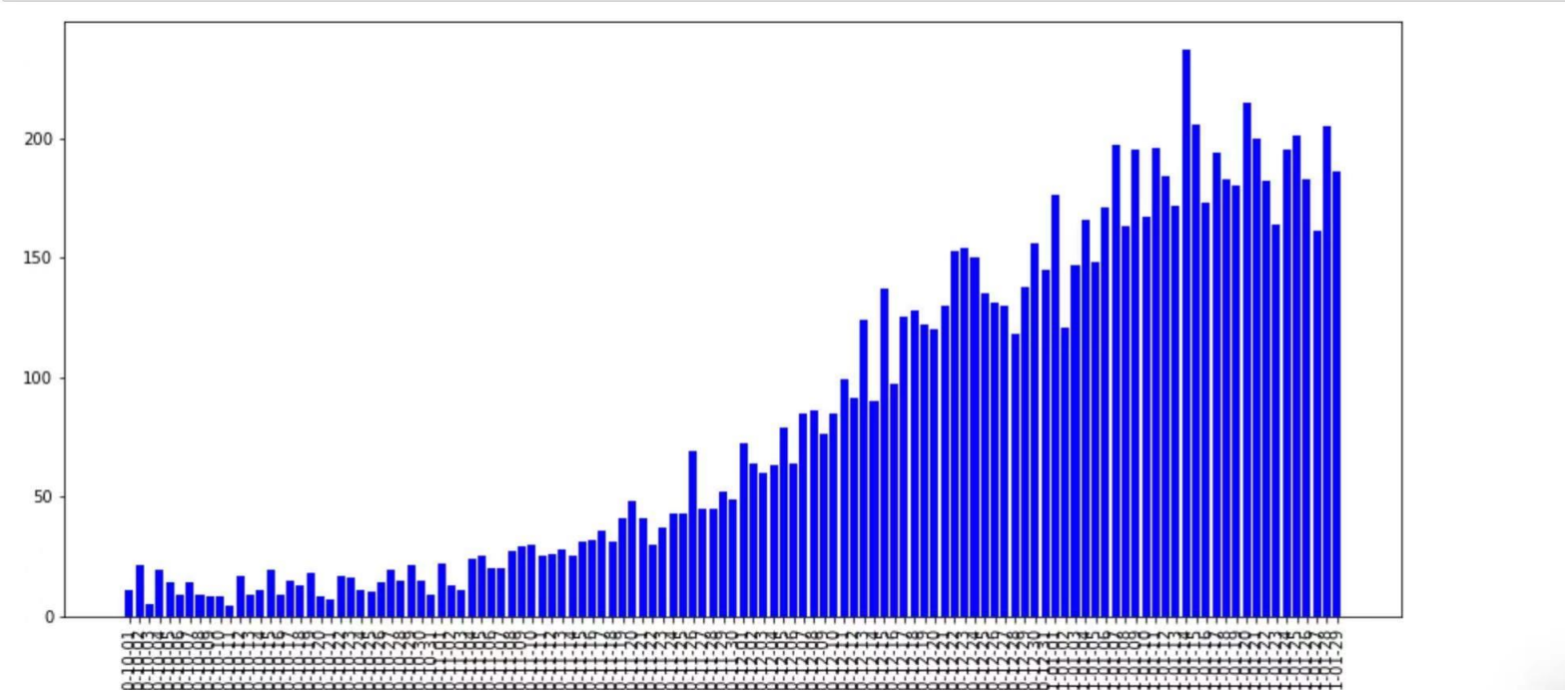
New Deaths for NY from March to September



New Cases for NY from Oct 2020 to Jan, 2021



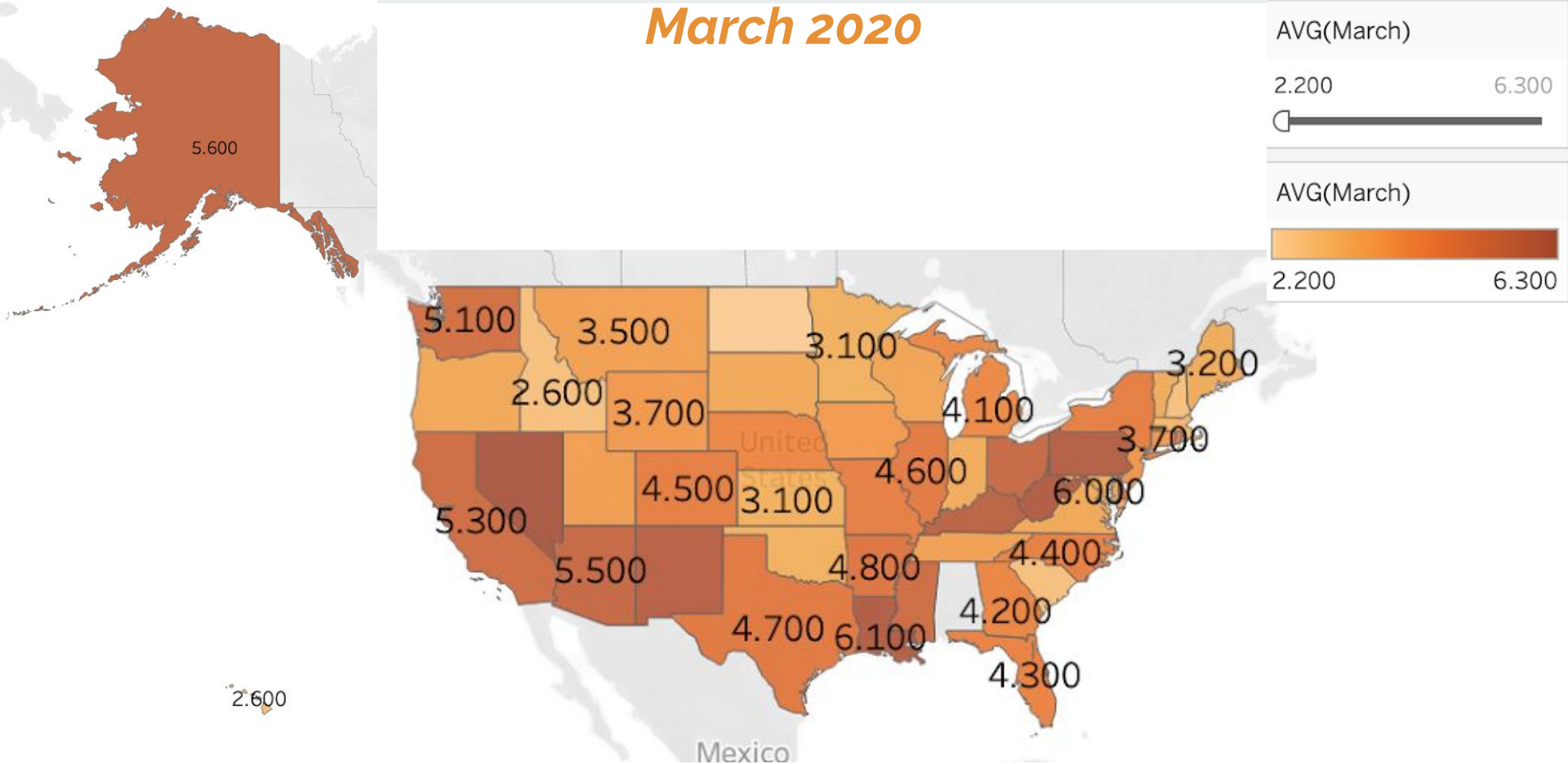
New Deaths for NY from Oct 2020 to Jan 2021



Unemployment Rate Analysis

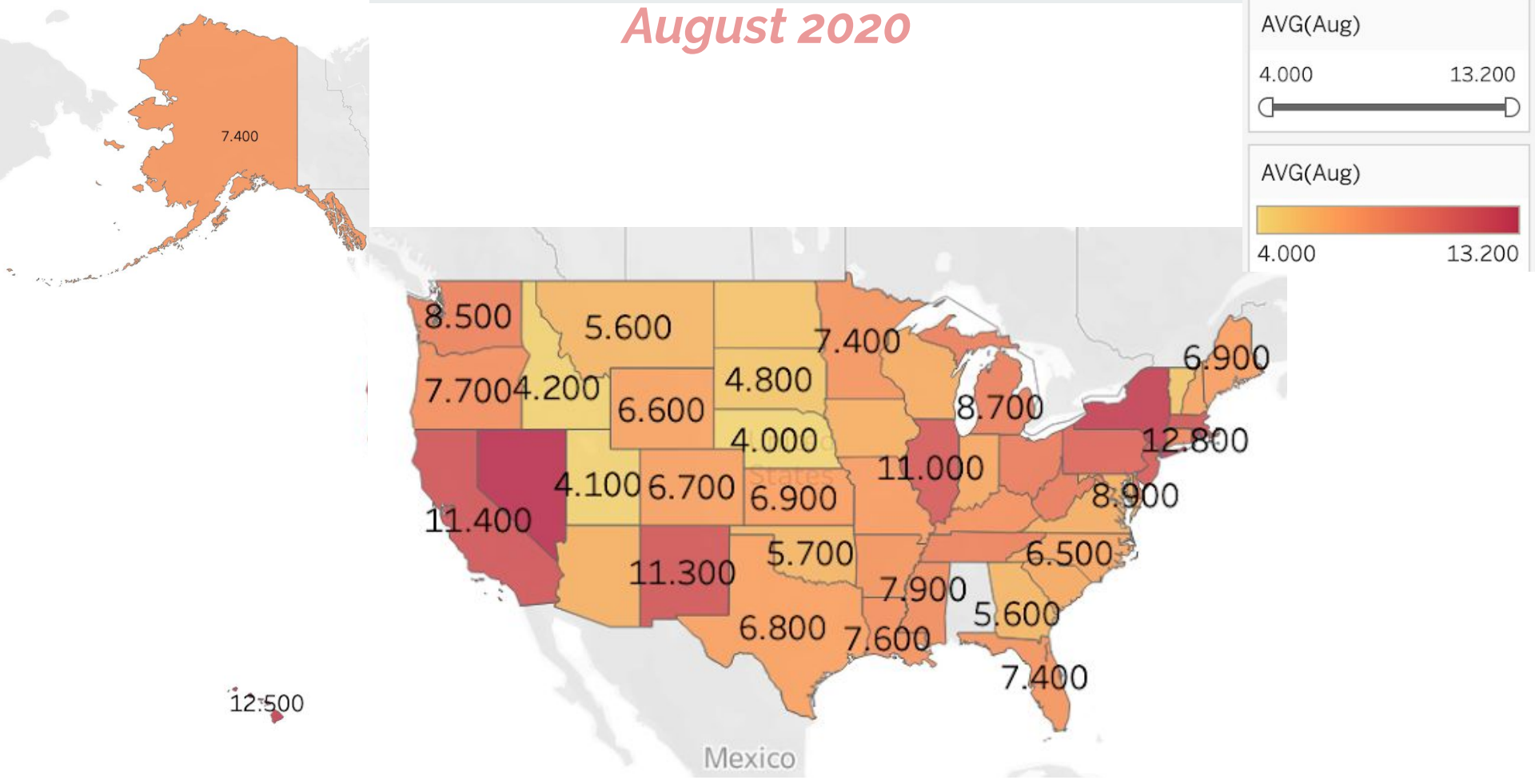
U.S. Unemployment Rate

March 2020



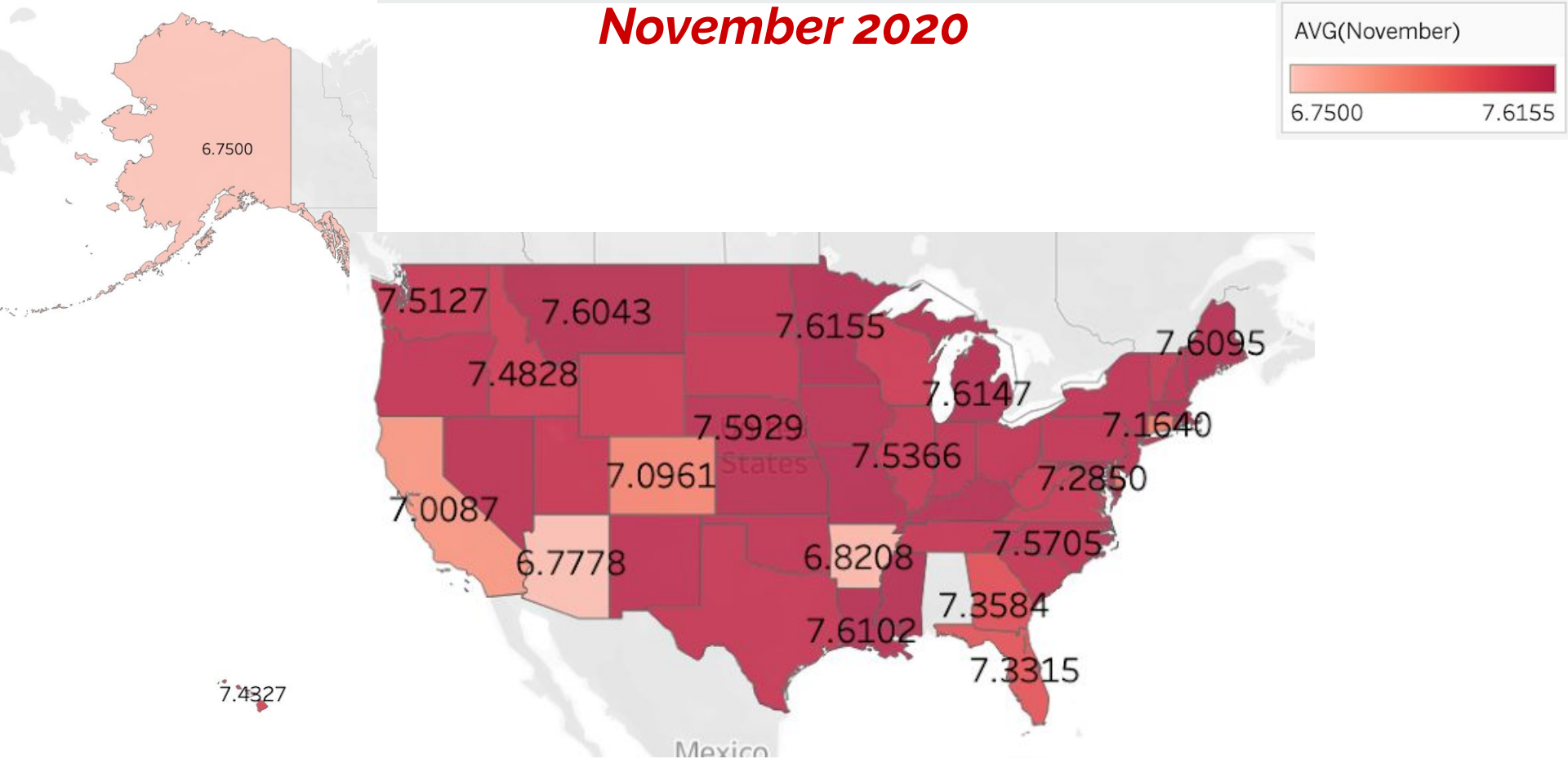
U.S. Unemployment Rate

August 2020



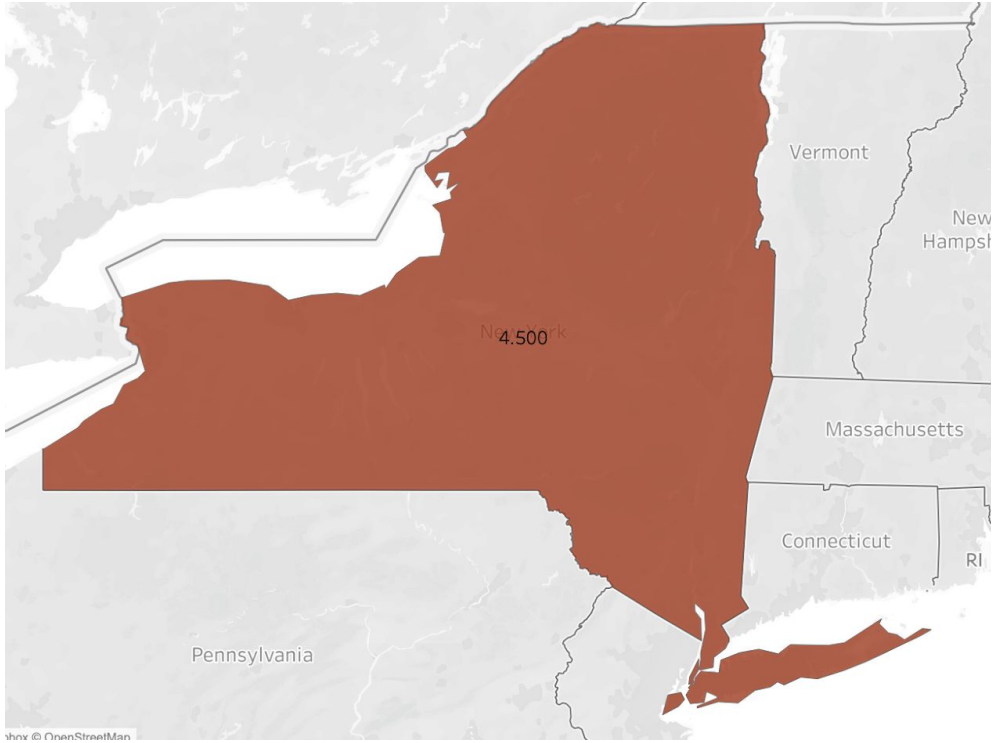
U.S. Unemployment Rate

November 2020



New York Unemployment Rate

March 2020



AVG(March)

2.200 6.300

AVG(March)

4.500

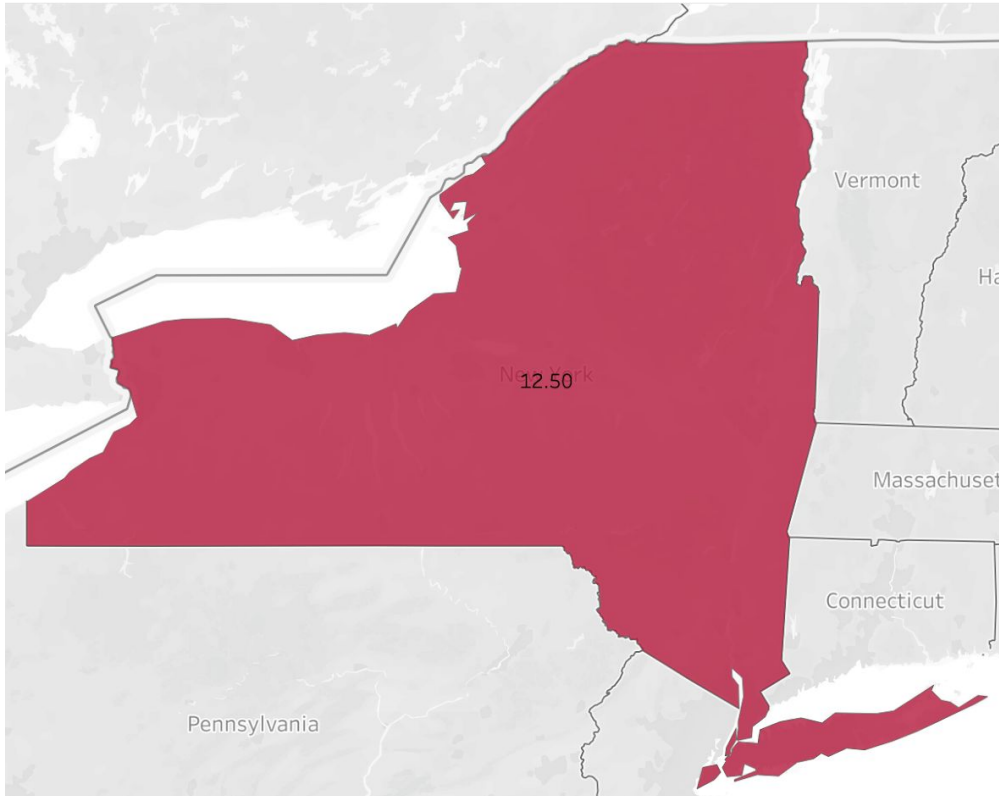
State:	New York
Avg. July:	15.90
Avg. March:	4.500
Avg. May:	14.50
Avg. November:	7.572
Avg. Sept:	9.700

New York Unemployment Rate

August 2020

AVG(Aug)

12.50



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New York Unemployment Rate

November 2020

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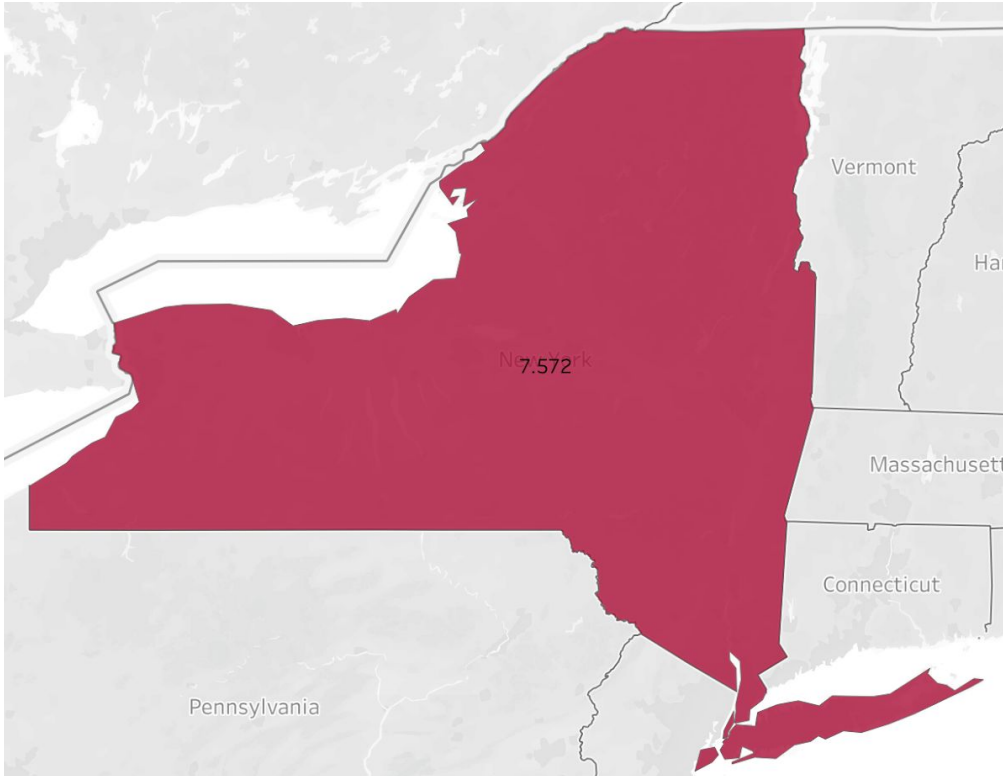
7.572



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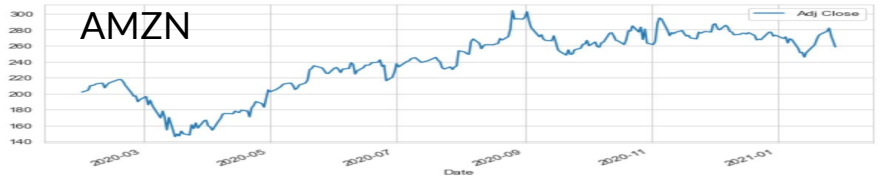
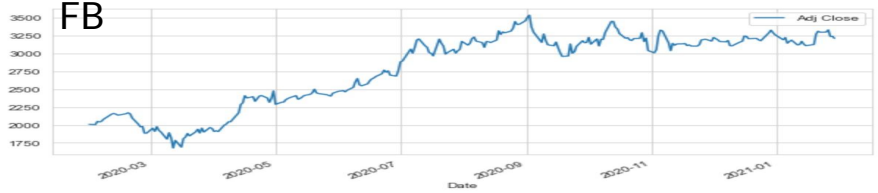
Stock Market Data Analysis

Stocks Closing price

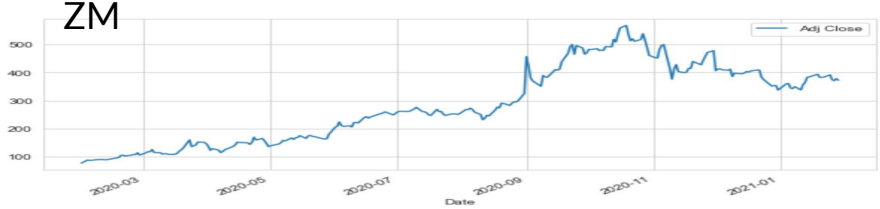
AMZN



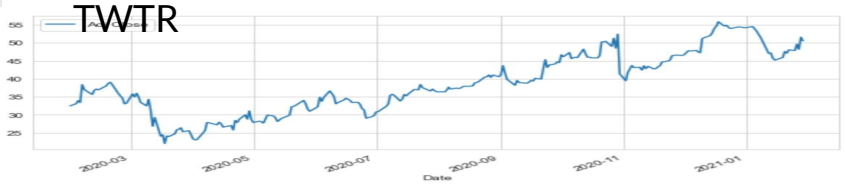
FB



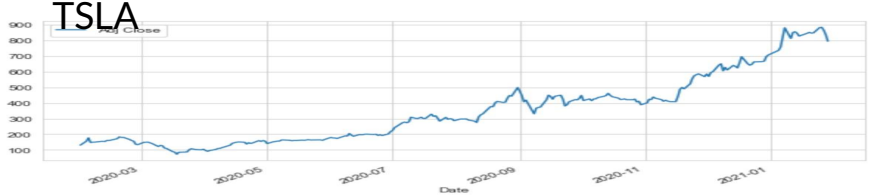
ZM



TWTR



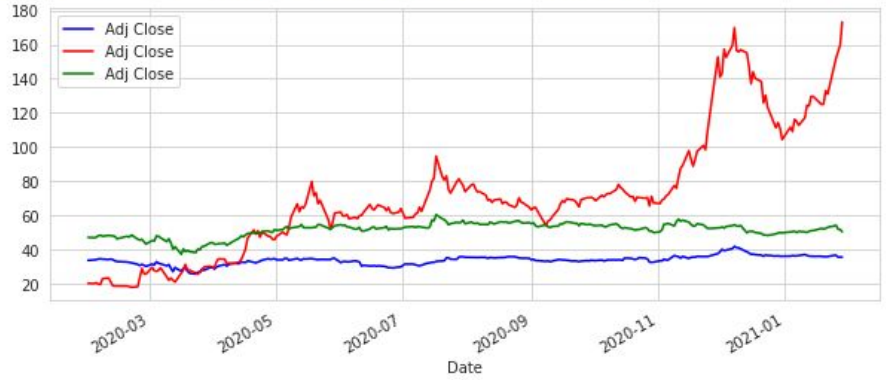
TSLA



Pharmaceutical Companies

```
PFE['Adj Close'].plot(legend=True,figsize=(10,4), color='blue')
MRNA['Adj Close'].plot(legend=True,figsize=(10,4), color='red')
AZN['Adj Close'].plot(legend=True,figsize=(10,4), color='green')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f350e256d30>
```




```
PFE['Volume'].plot(legend=True,figsize=(10,4), color='blue')
MRNA['Volume'].plot(legend=True,figsize=(10,4), color='red')
AZN['Volume'].plot(legend=True,figsize=(10,4), color='green')
```

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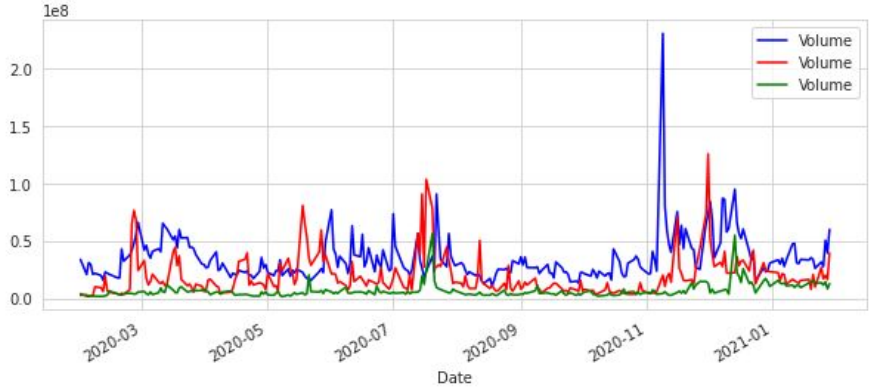

Airline Companies

```
DAL['Adj Close'].plot(legend=True,figsize=(10,4), color='blue')
UAL['Adj Close'].plot(legend=True,figsize=(10,4), color='red')
AAL['Adj Close'].plot(legend=True,figsize=(10,4), color='green')
```

```
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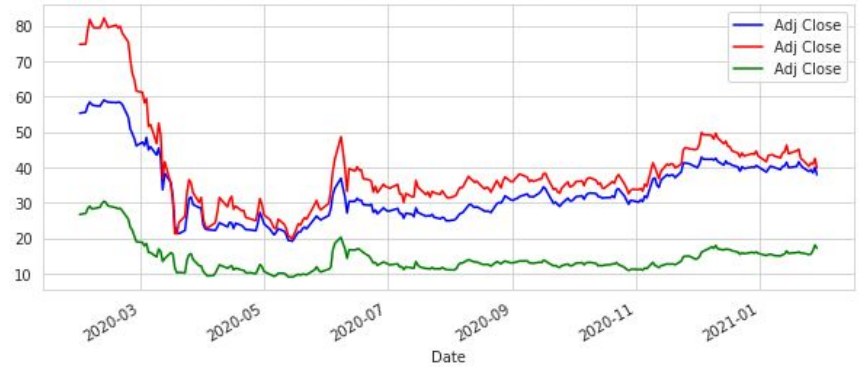
```




```
DAL['Volume'].plot(legend=True,figsize=(10,4), color='blue')
UAL['Volume'].plot(legend=True,figsize=(10,4), color='red')
AAL['Volume'].plot(legend=True,figsize=(10,4), color='green')
```

```
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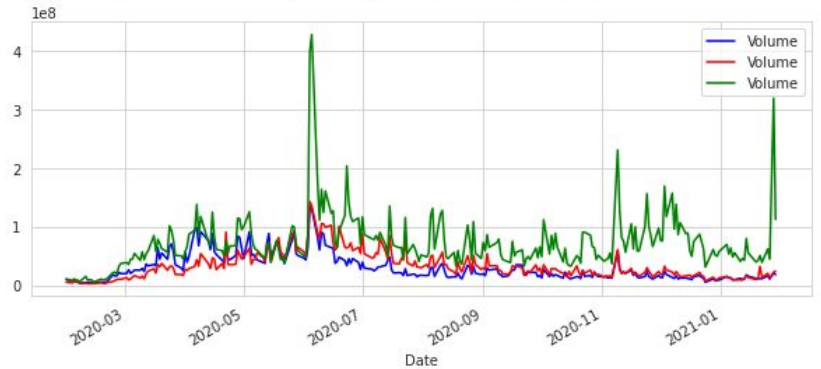

Mobility Companies

```
UBER['Adj Close'].plot(legend=True,figsize=(10,4), color='blue')
LYFT['Adj Close'].plot(legend=True,figsize=(10,4), color='red')
```

```
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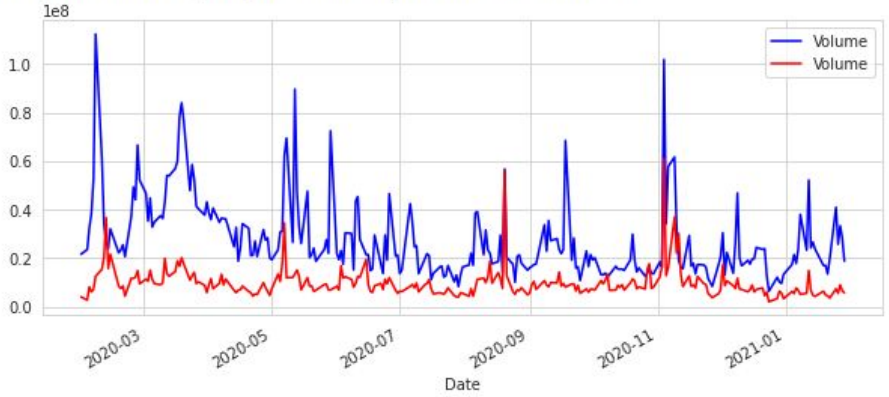
```

```
UBER['Volume'].plot(legend=True,figsize=(10,4), color='blue')
LYFT['Volume'].plot(legend=True,figsize=(10,4), color='red')
```

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