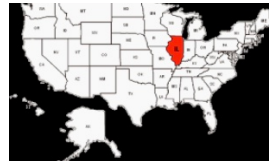


[CovidTracking.com](https://covidtracking.com)

SOURCE OF DATA



IL

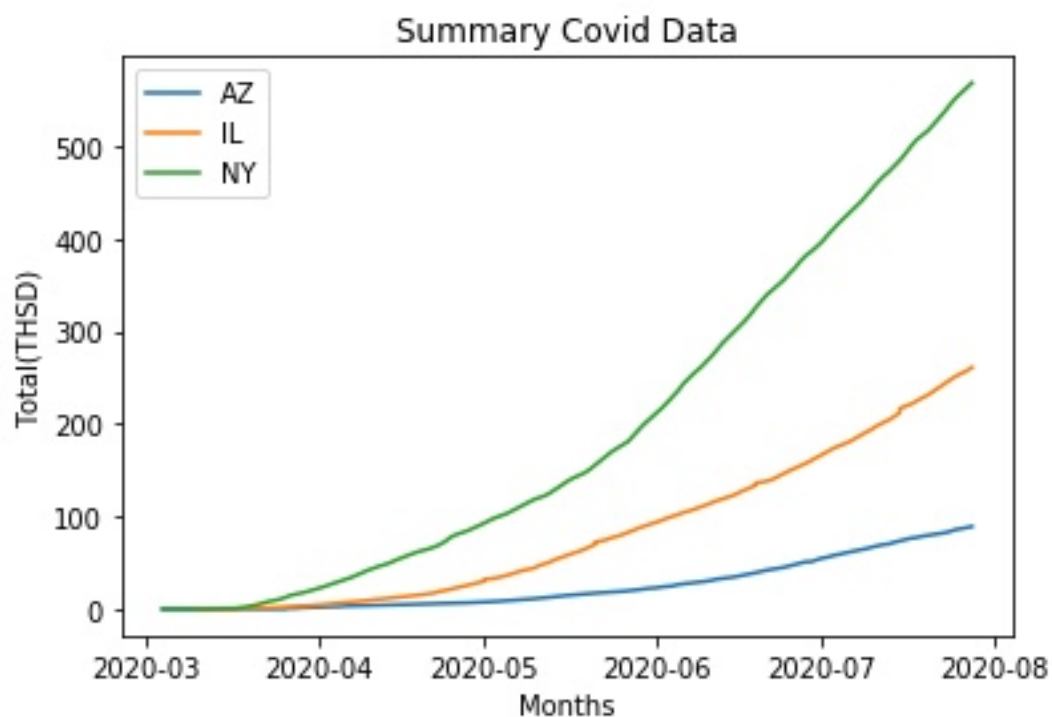


AZ



NY

# COVID-19 DATA IL,NY,AZ



## Hypothesis and Data Testing:

For this project I wanted to look at Covid-19 Data from Illinois, Arizona and New York.

While I obtained the data the I kept the following variables:

- Full Date
- Month
- Cases
- Negative
- Hospitalized
- Deaths
- Total

# Analysis Results and Methods:

I created the variables in such a way that I can compare the new cases as they continue to grow in the states and the death rates.

As I live in IL, I was interested to how it compares to the other states that are in the news more heavily.

The shocking information that I discovered (displayed to the right), IL's death numbers continue to climb up meanwhile the hospitalizations numbers go down. Shockingly, the death numbers in NY seem steadier while the number of hospitalizations go up. I wonder if this could indicate that hospitalizations are more effective in NY and saving more lives?

Since I did not combine the data sets and I plotted each state separately and it made spotting the patterns of the data easier.

Before I attempted to graph using `.hist()` I graphed `plt.scatter` I got a beautiful image. Graphing using scatter plot was not an easy task as I had to ensure the data is plotted correctly and to ensure a proper display which was something we did not cover in this class.

What was cool about the scatter plot was that our ability to choose the marker as shapes, so even when the data overlapped I was able to see still the overlaps. Meanwhile, the overlaps are not too interesting, it was the differences that are. NY started with high numbers of Covid cases and deaths and continues however nowadays we hear more about states like AZ and FL.

