

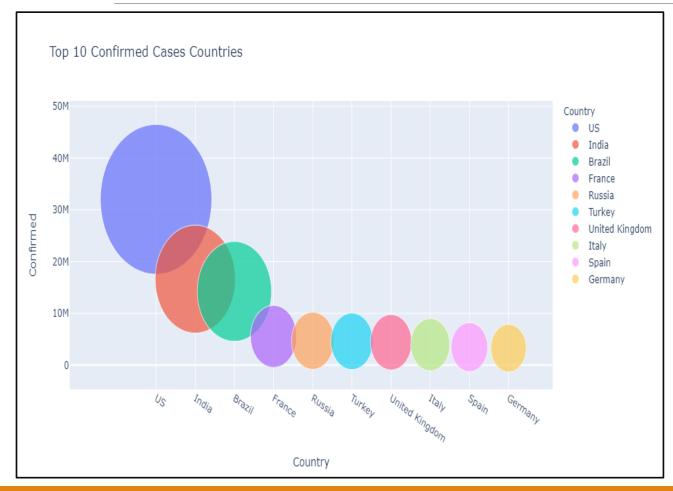
Introduction

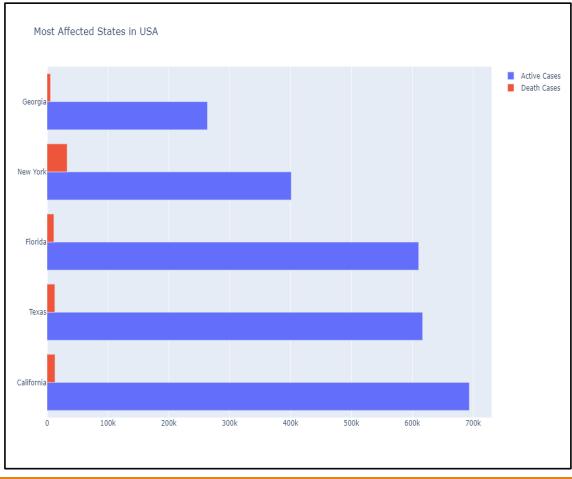
- 1. COVID 19 OUTBREAK IN THE WORLD HAS BEEN DISASTROUS SINCE LAST YEAR.
- 2. THE UNITED STATES IS AN EPICENTER AND RECORD THE HIGHEST NUMBER OF CASES

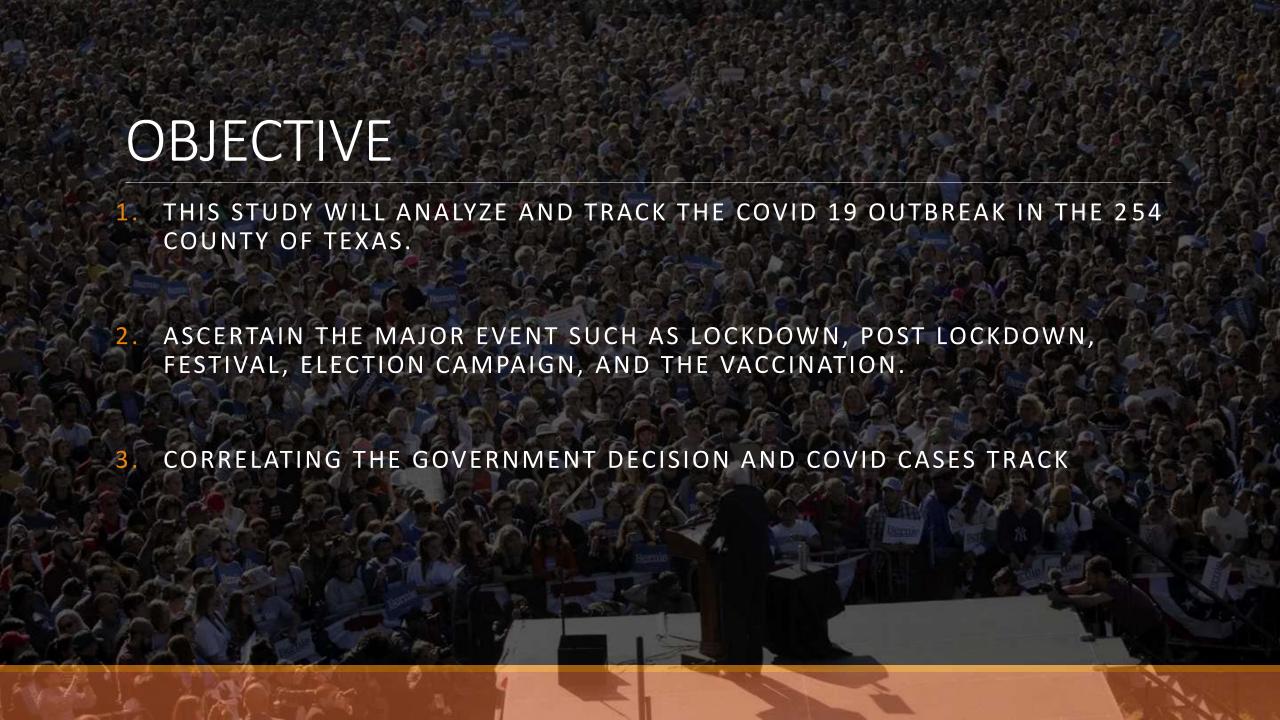
THE STATE OF TEXAS REPORTS MORE THAN 2.5 MILLIONS + CASES AND 45,000+ FATALITIES.



Total Confirmed Cases & The U.S. Status





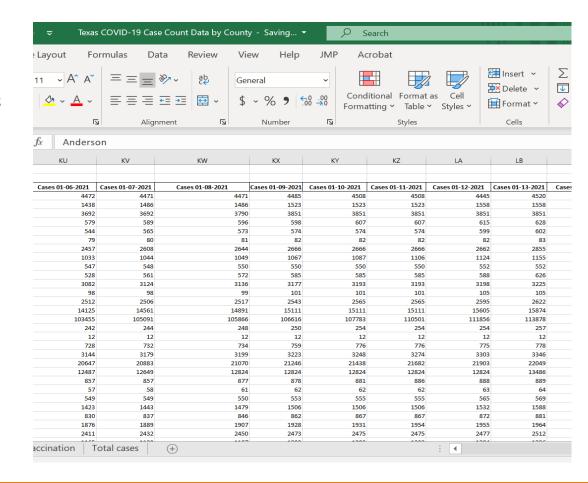


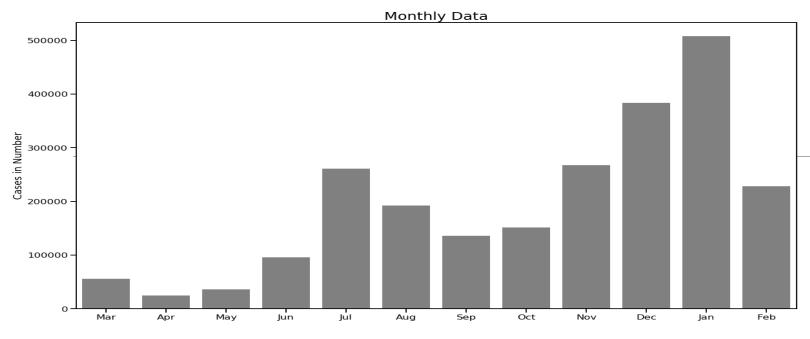
DATA COLLECTION

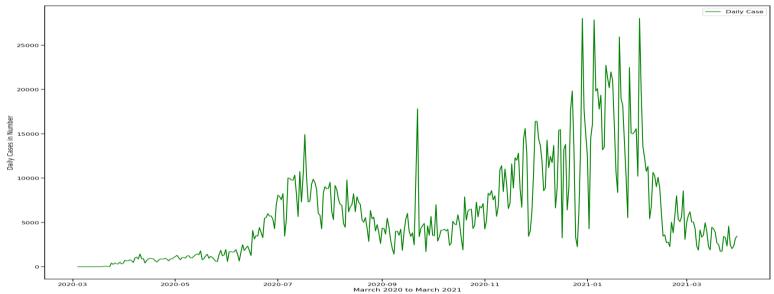
- DATA WILL BE COLLECTED FROM TEXAS DEPARTMENT OF STATE HEALTH SERVICES WEBSITE AND CDC.GOV
- THE MAJOR EVENT SOURCES IS FROM OFFICE OF THE GOVERNOR WEBSITE.
- 3. DATA ARE ALSO IMPORTED FROM COVIDTRACKING.COM

METHODS:

- 1. IMPORTING THE DATA ON PYTHON
- CLEANING AND PROCESSING DATA
- CREATING PLOT AND COMPARING THE DATA WITH TIMELINE OF EVENT.



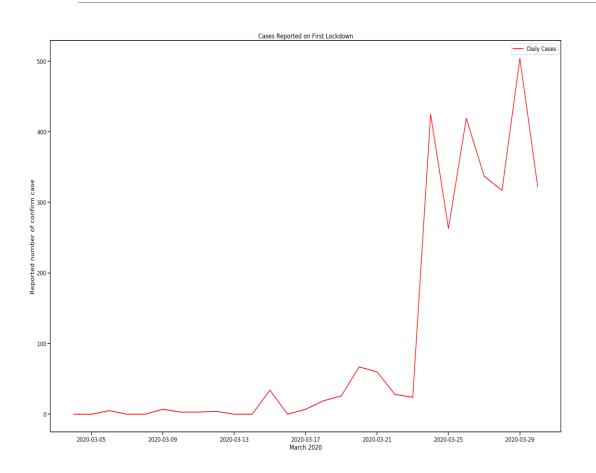


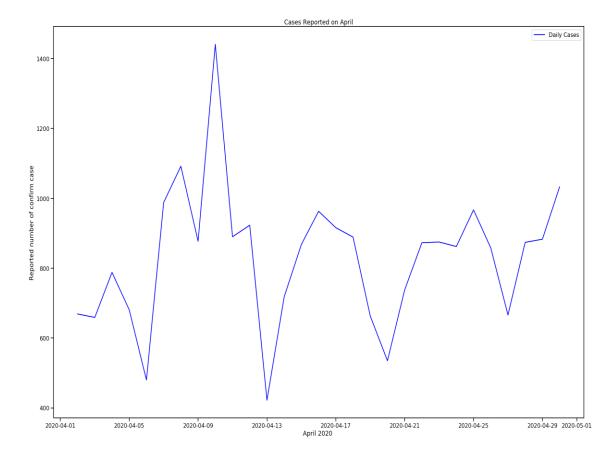


TEXAS MONTHLY AND DAILY PLOT

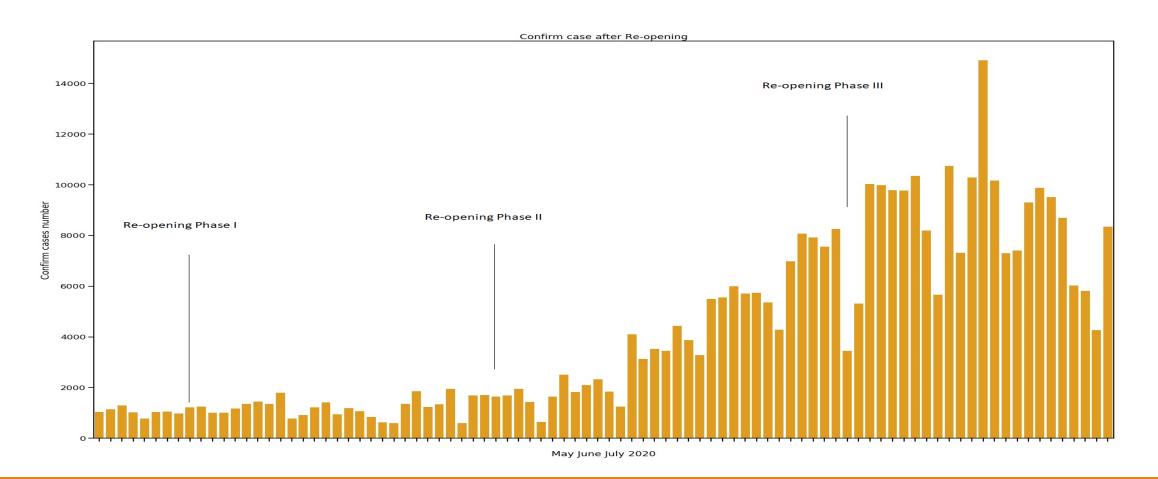
- Spiked during mid July, October
 2020 and January 2021
- 2. Reports 28027 cases on
- 3. Cases are below 5000 in March 2021

Lockdown Effect

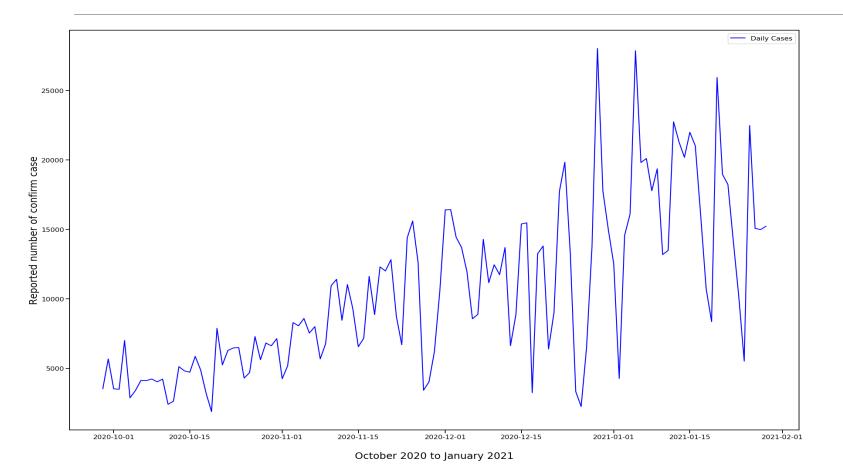




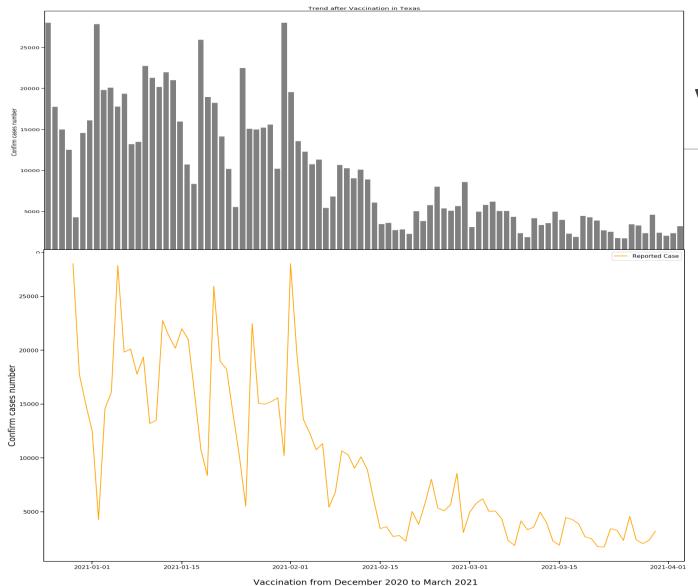
Re-opening Phase I,II,III



Election and Festive Season



- 1. The election campaign has direct impact on increasing cases.
- 2. Most results of spike are seen after election (Nov 3, 2020)
- 3. Social gathering and celebrating festival also shows record increment in cases
- 4. 'No lockdown' statement by Gov. Abbot on Nov 18, 2020



Vaccination

Lifting of mask mandate order

The line and bar plot support the argument of vaccine impact on decreasing number of cases.

Cases are below 5000 reported till March 2021

Conclusion

- → Stay home order, mask mandate or lockdown orders of government are most influencing on controlling the disease spread. However, they are not only capable of handling the pandemic.
- → Social gathering without preventive measures are mainly responsible for spreading disease
- → Government decision played crucial role. An early monitoring system is required which allows prompt detection of disease threat, epicenter, track, or clear threats.
- → Communication system, information circulation and prompt execution by individuals or organization, as a system may help on reducing the threat of pandemic.





THANK YOU!

QUESTIONS??