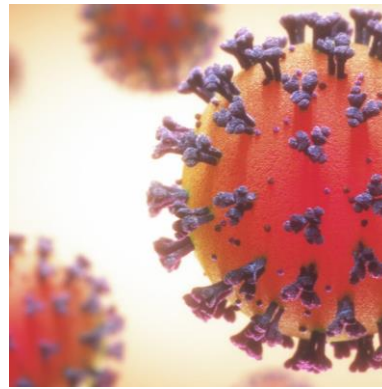


Team Members:

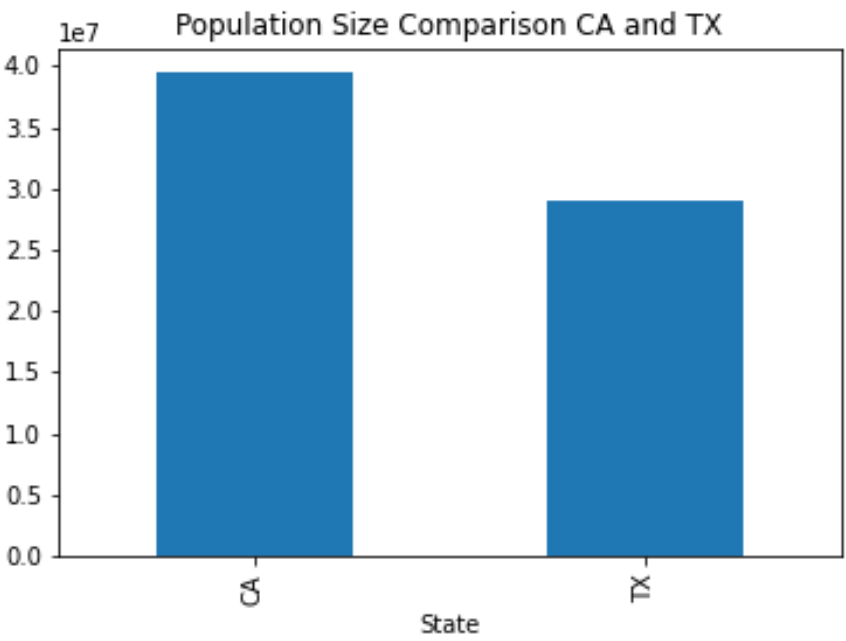
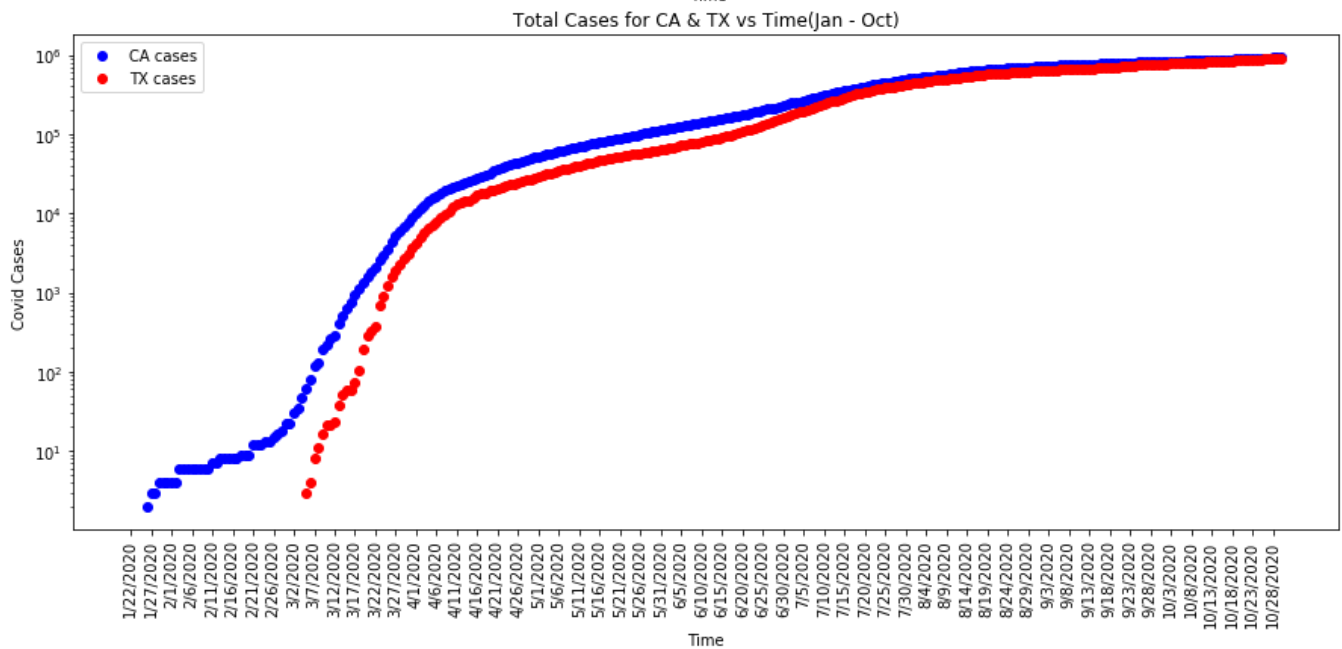
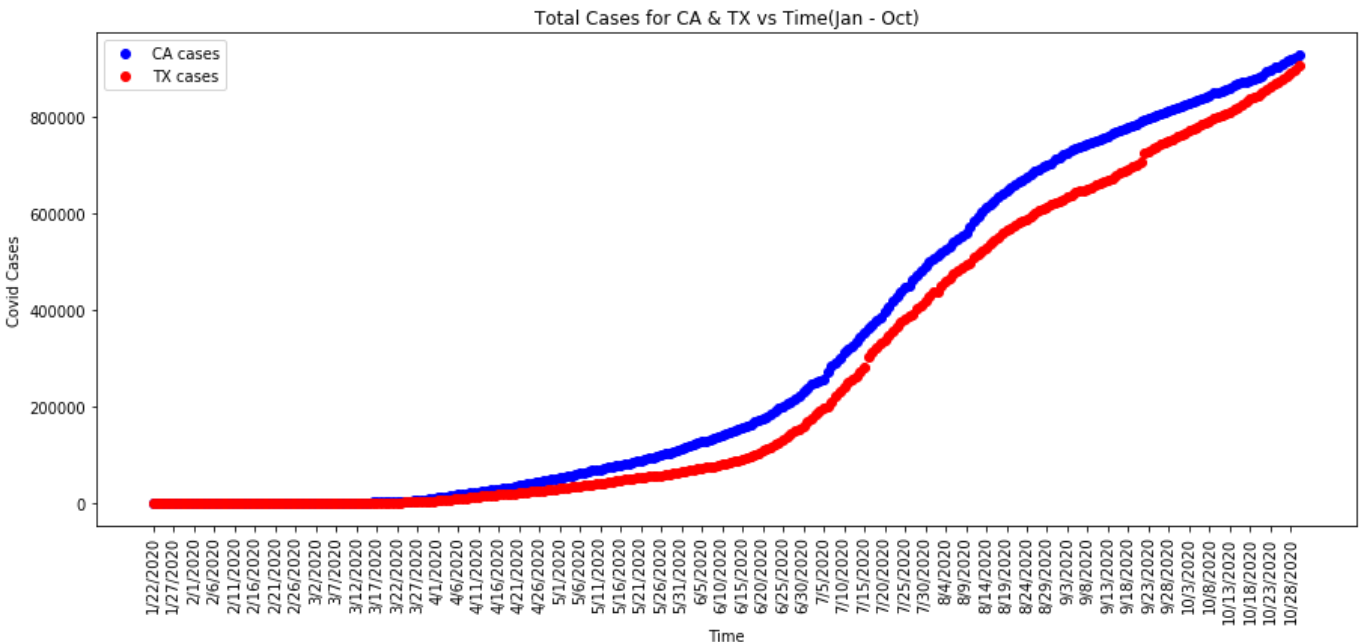
- Anna Rischitelli
- Priya Arunachalam
- Nataliia Sokolova
- Vincent Durcan
- Shadia Duery

Do rates of Covid19 differ based on State policies implemented?

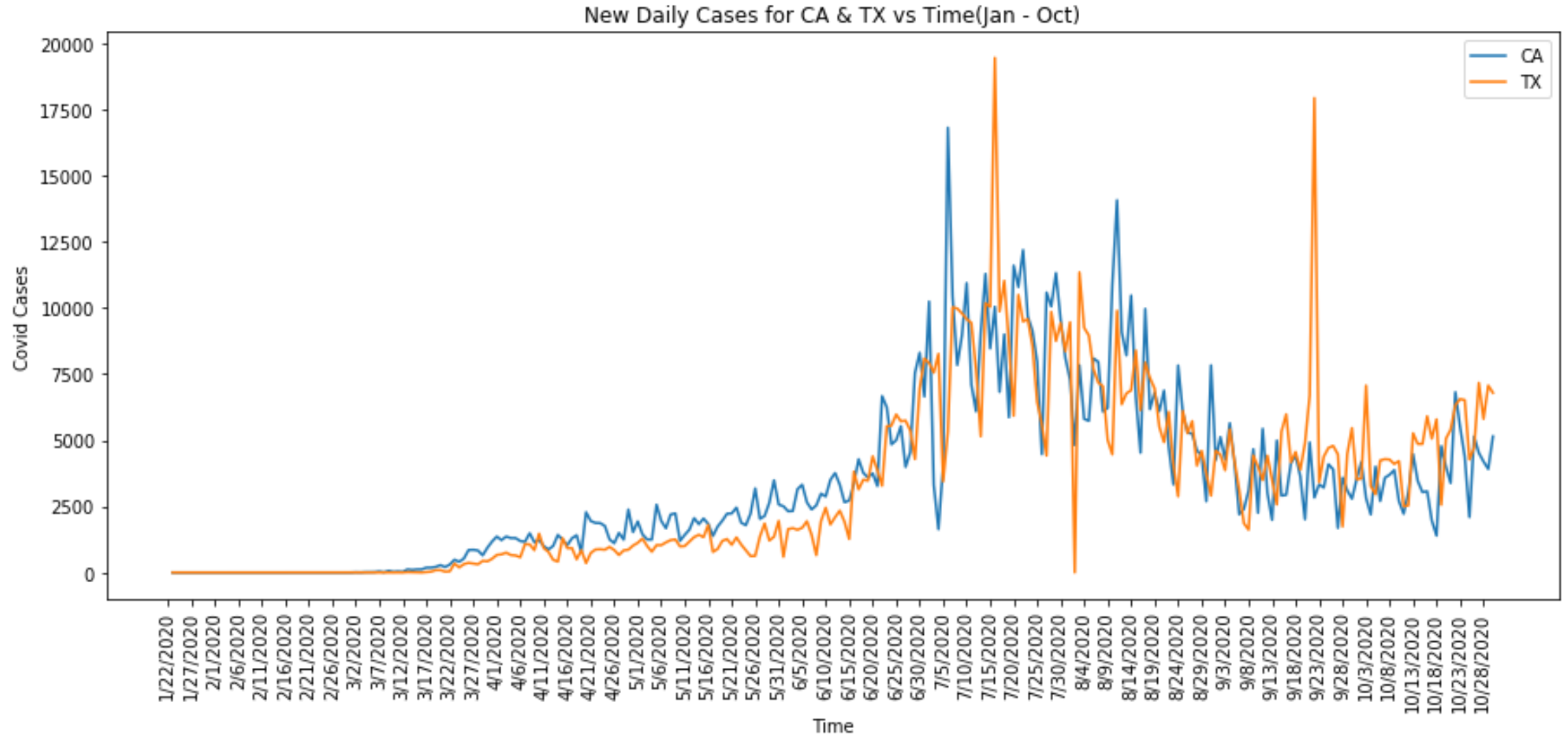


Comparison between California and Texas

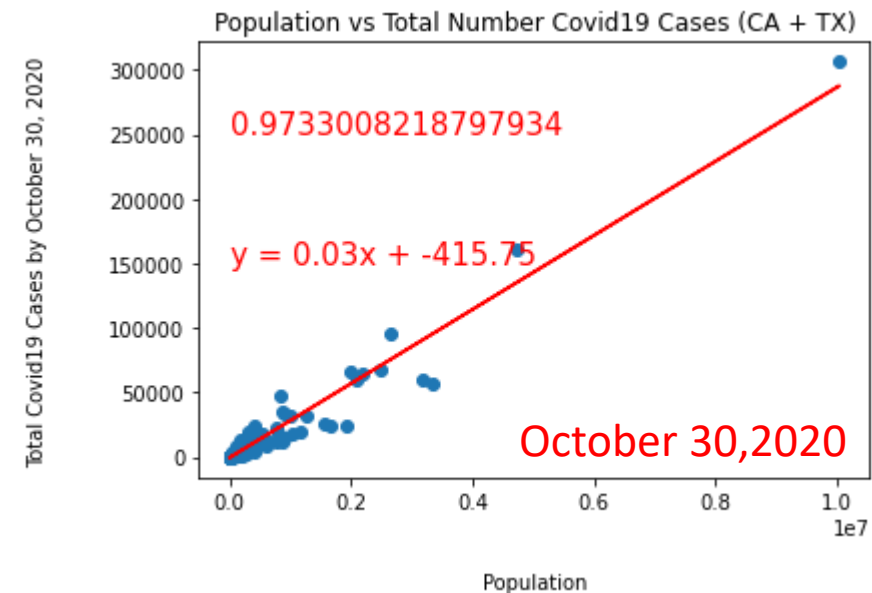
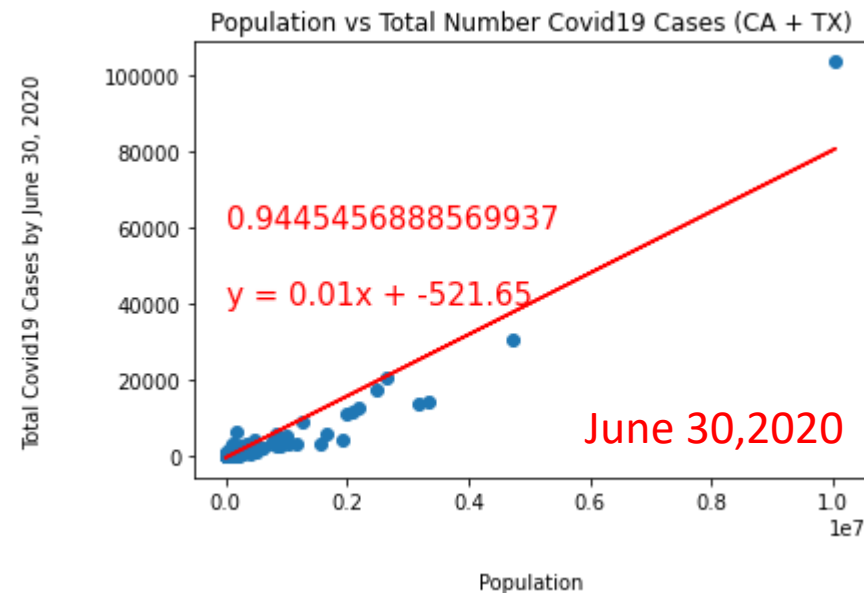
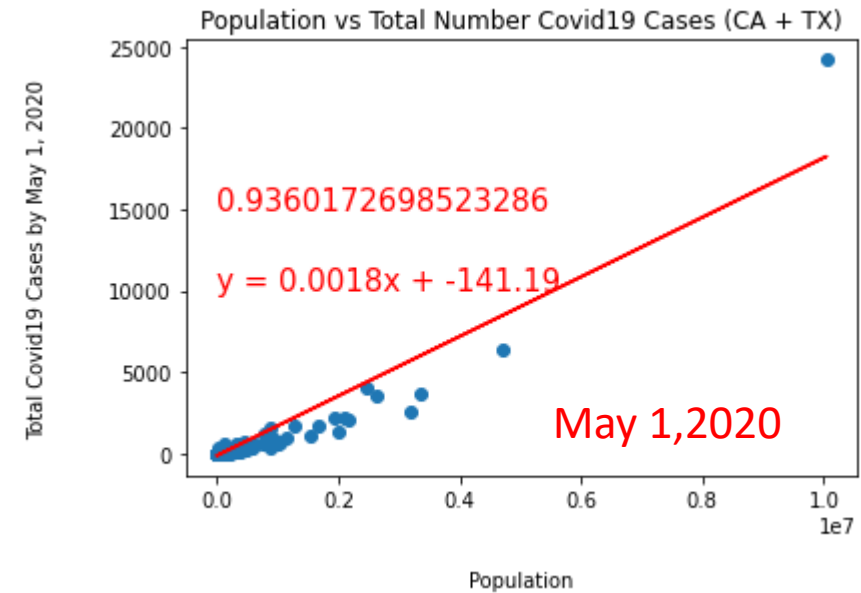
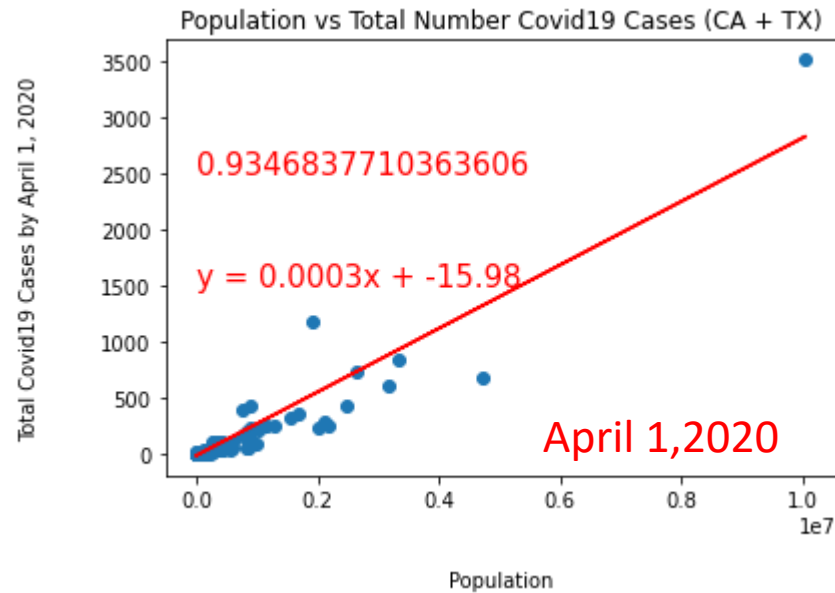
Number of total confirmed Covid19 cases in CA and TX from Jan-Oct 2020

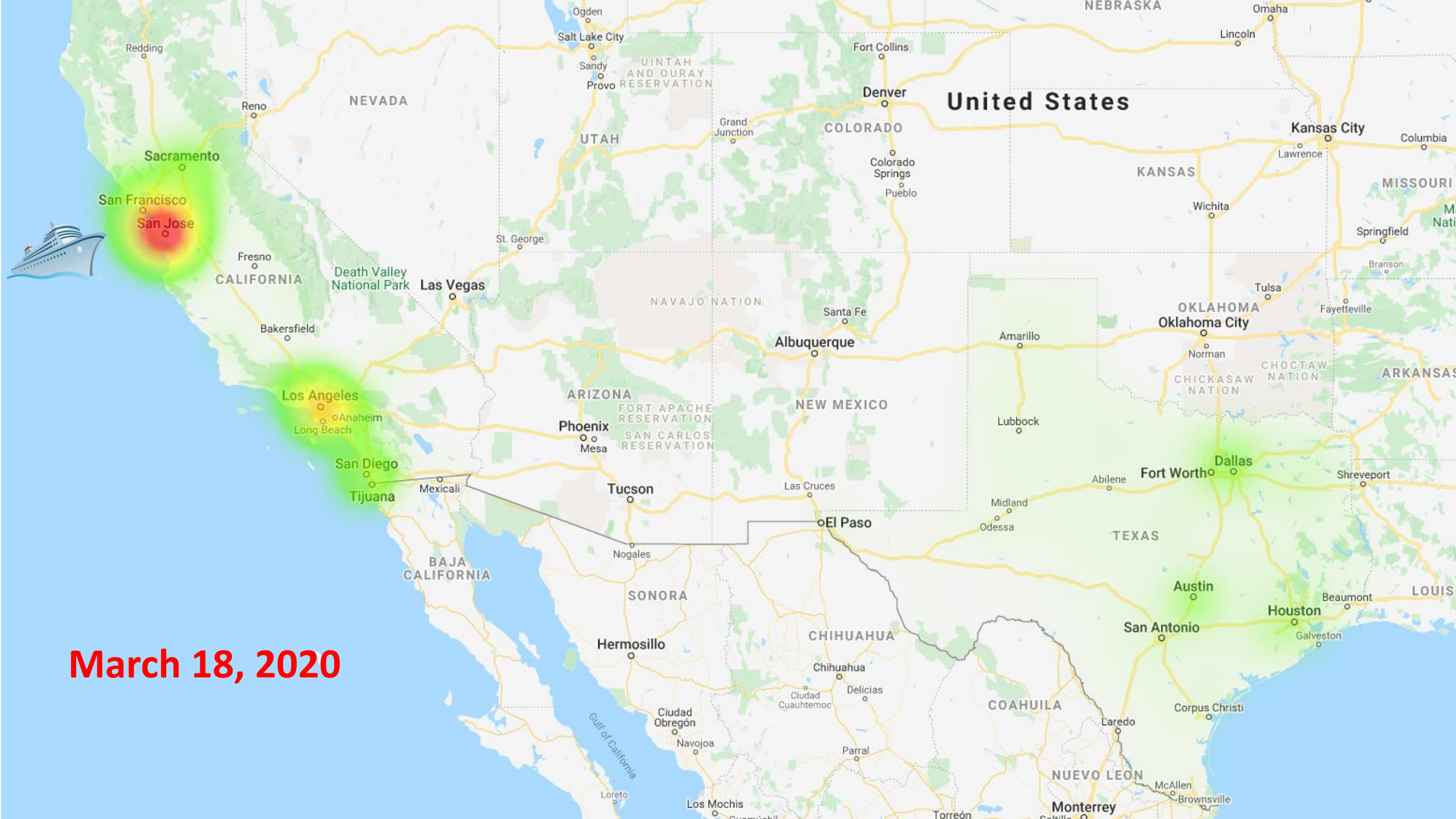


Number of new daily confirmed Covid19 cases in CA and TX from Jan-Oct 2020

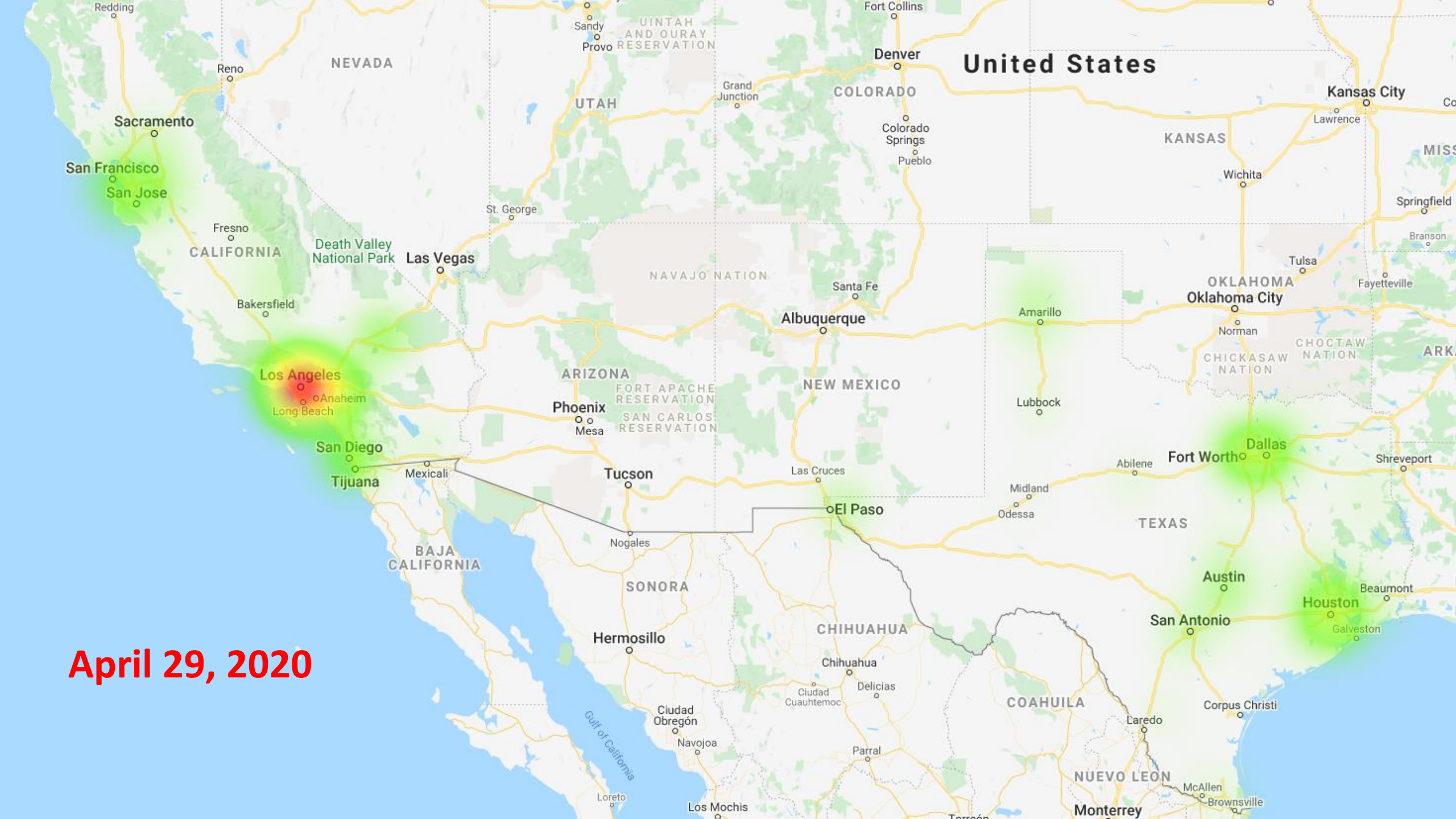


Exploratory Data Analysis: Total Confirmed Cases Related to Population Size

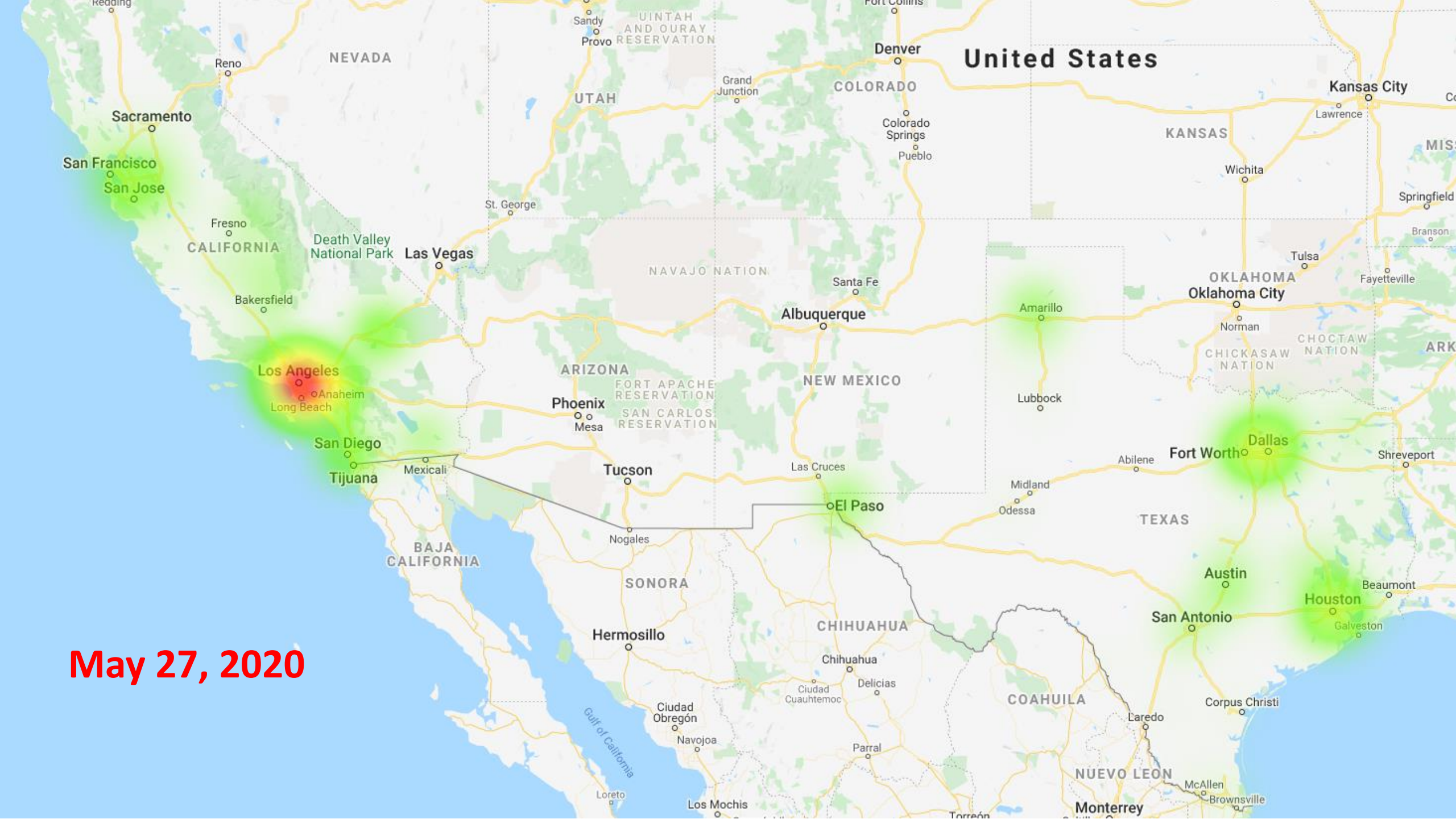




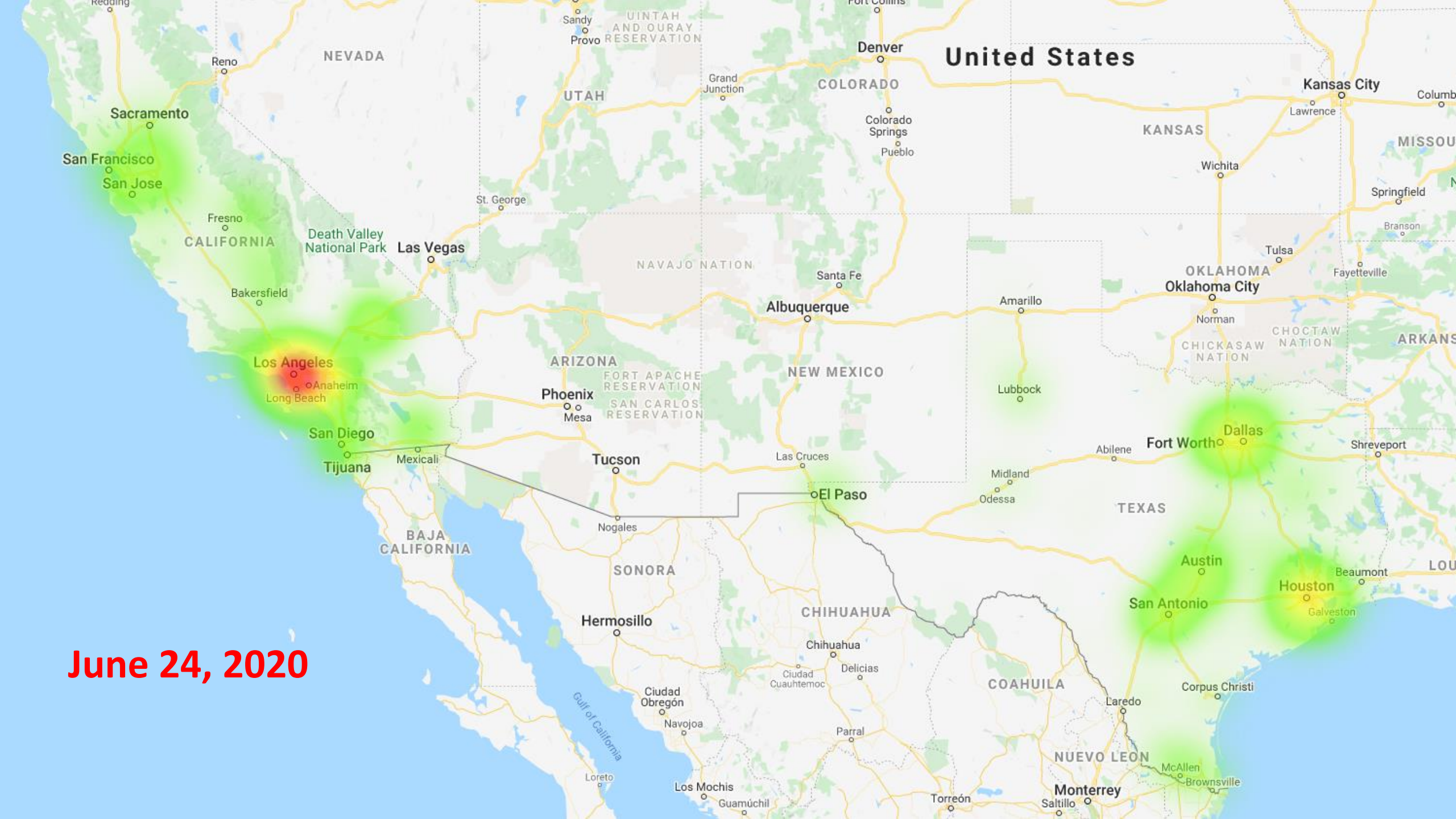
March 18, 2020



April 29, 2020



May 27, 2020

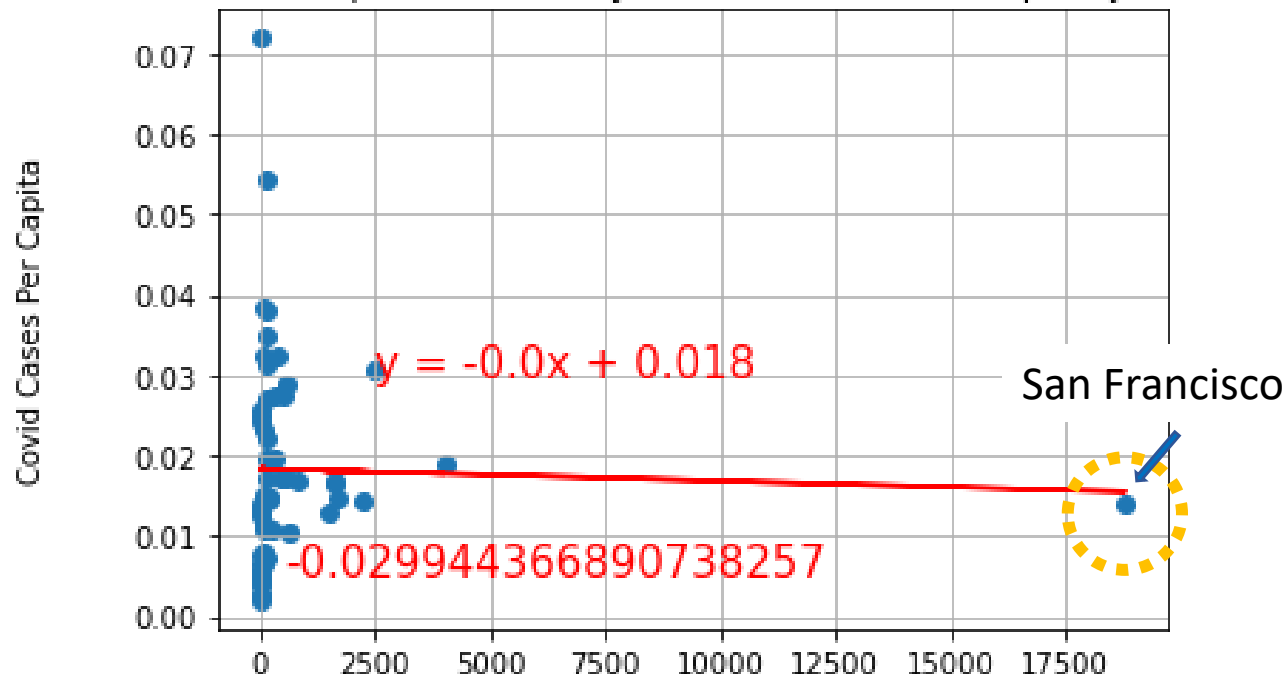


June 24, 2020



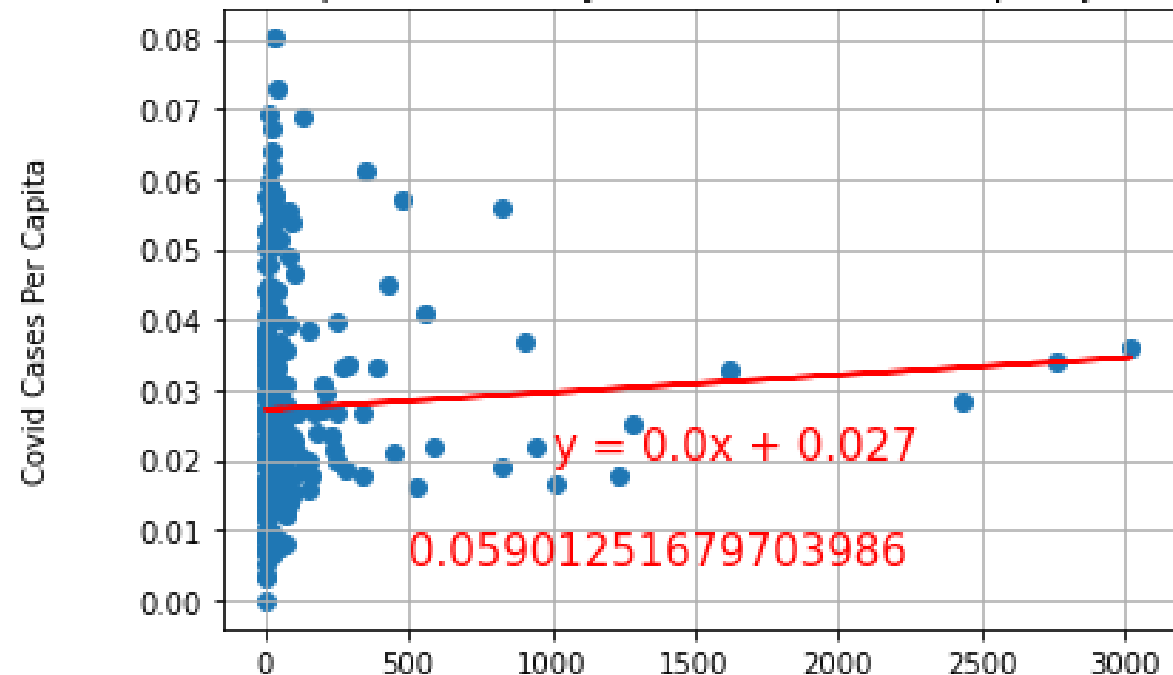
State	Population (million)	Difference in Population	Land Area (Sq. Mi.)	Difference in Land Area	People per Sq. Mi.
CA	37	CA 8 million more	155,779	TX 105K Sq. Mi. more	254
TX	29		261,267		105

California Population Density vs Covid Cases Per Capita (Jan-Oct)



Population Density

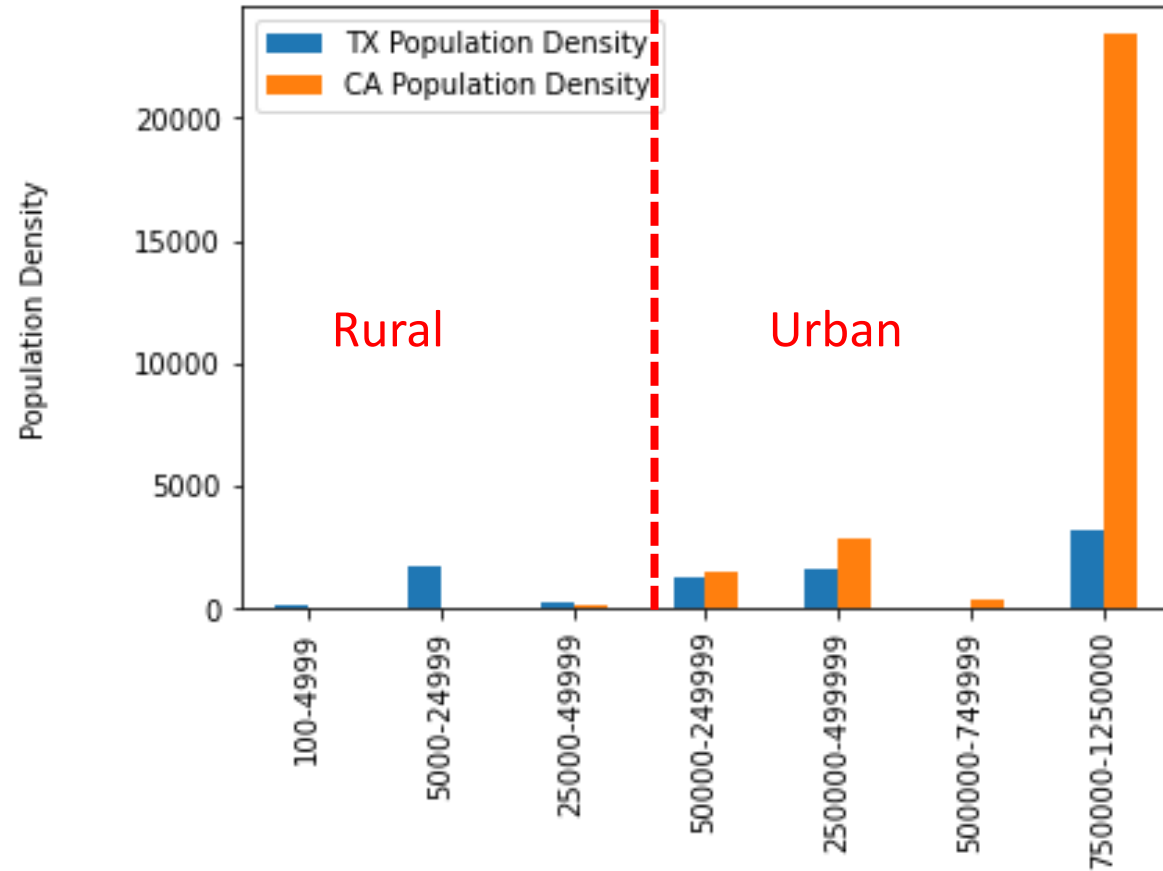
Texas Population Density vs Covid Cases Per Capita (Jan-Oct)



Population Density

Counties by Population Size

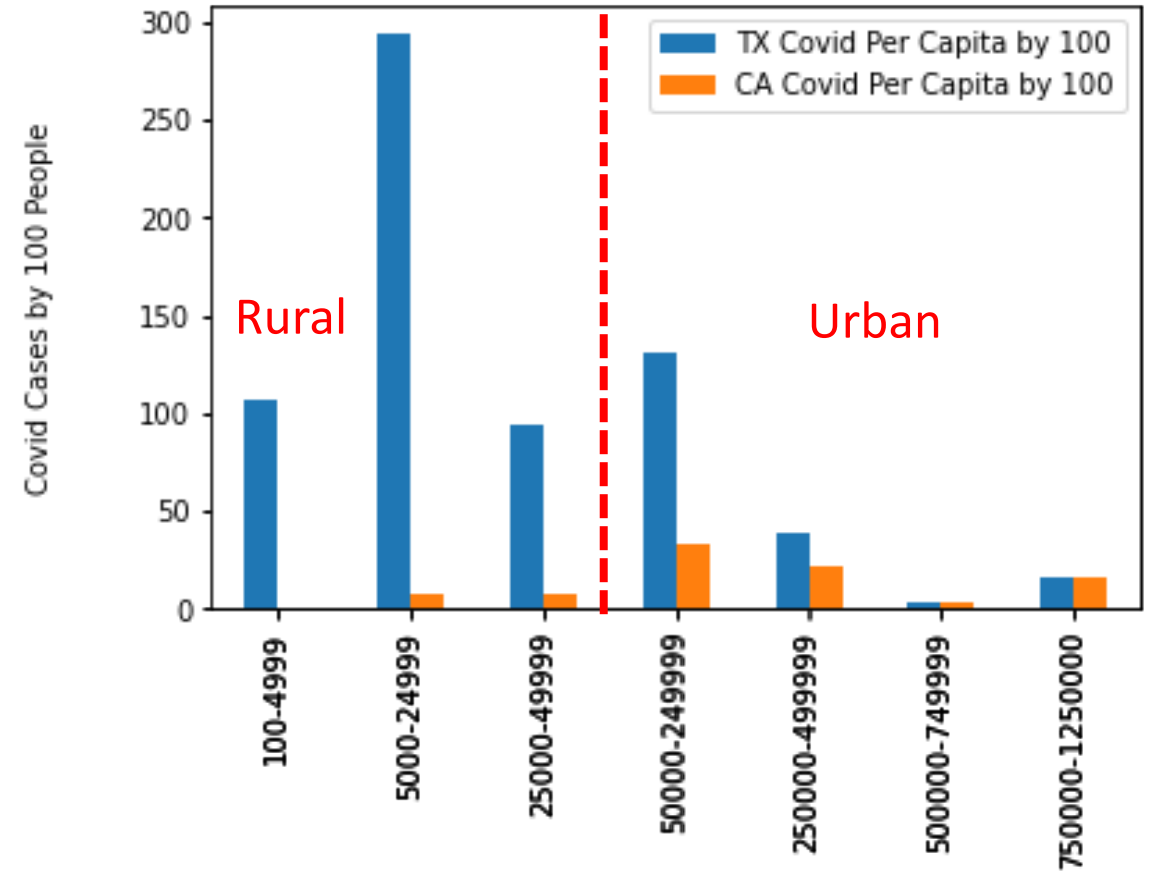
TX vs CA Comparison on Population Density By County Size



County by Population Size



TX vs CA Comparison on Covid Cases by 100 People by County Size



County by Population Size





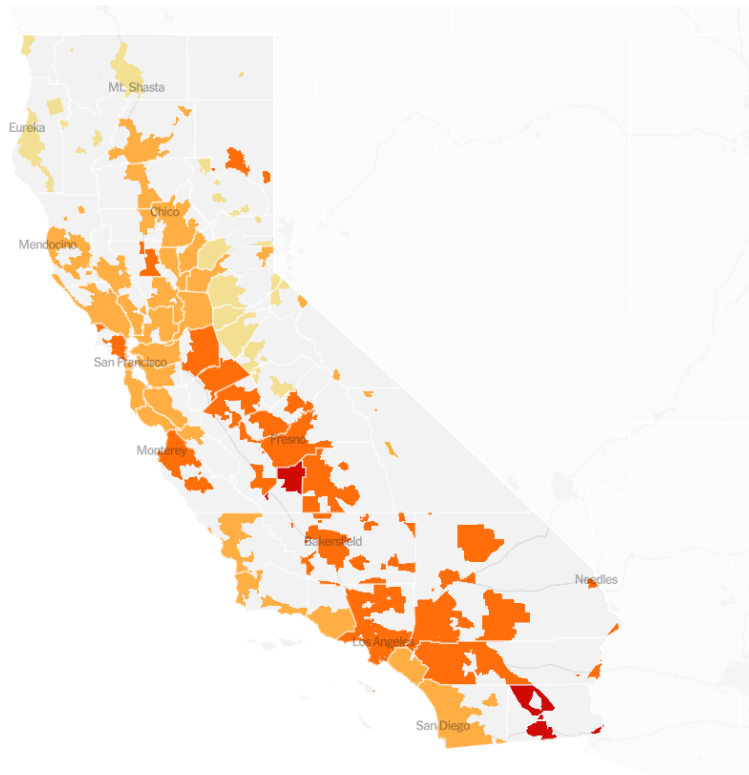
Codic19 Cases Per Capita, 11/8/2020



Hot spots	Total cases	Deaths	Per capita
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Double-click to zoom into the map.

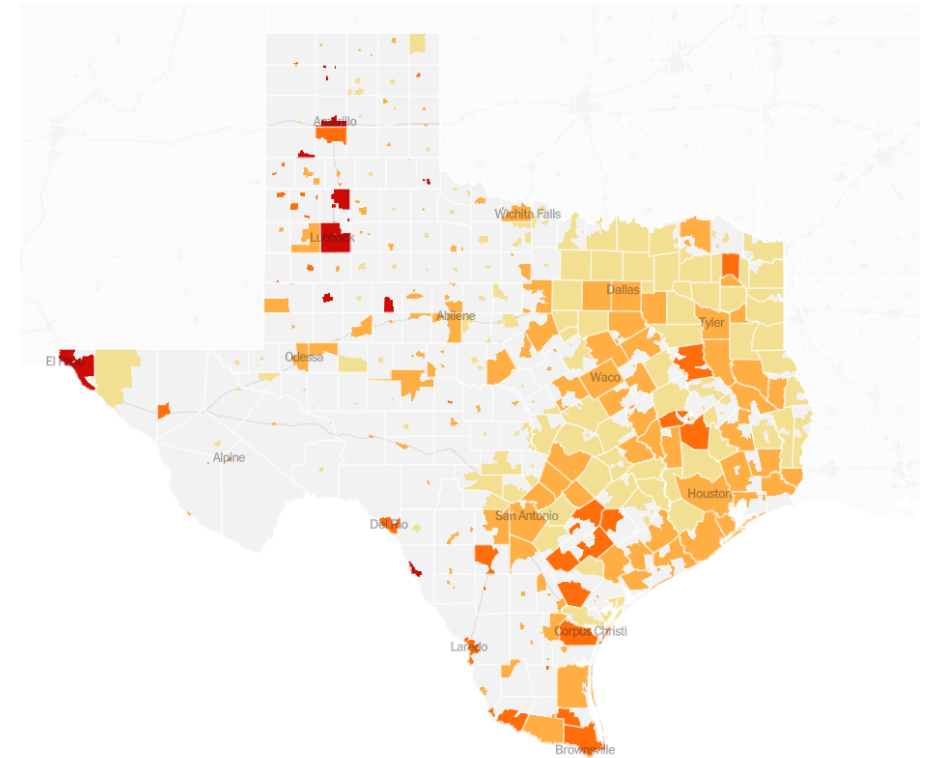


Sources: State and local health agencies. Population and demographic data from Census Bureau.

Hot spots	Total cases	Deaths	Per capita
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Double-click to zoom into the map.



Sources: State and local health agencies. Population and demographic data from Census Bureau.

Limitations


- Covid19 testing
- Policy implementation and execution
- Time constraints



Things we would do different next time

- Include more states in the comparison
- Compare to other country policies





Thank You
Questions?