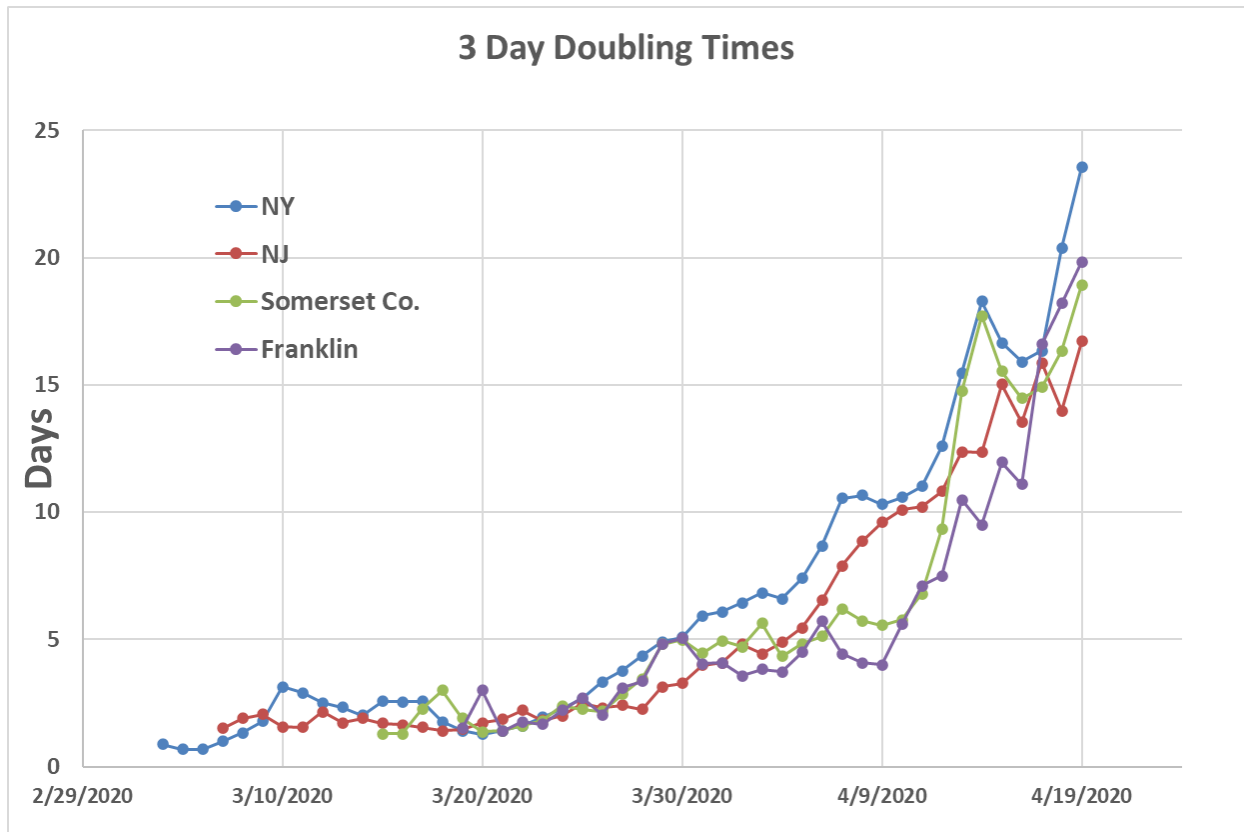


Doubling Times and The Reaching the Peak

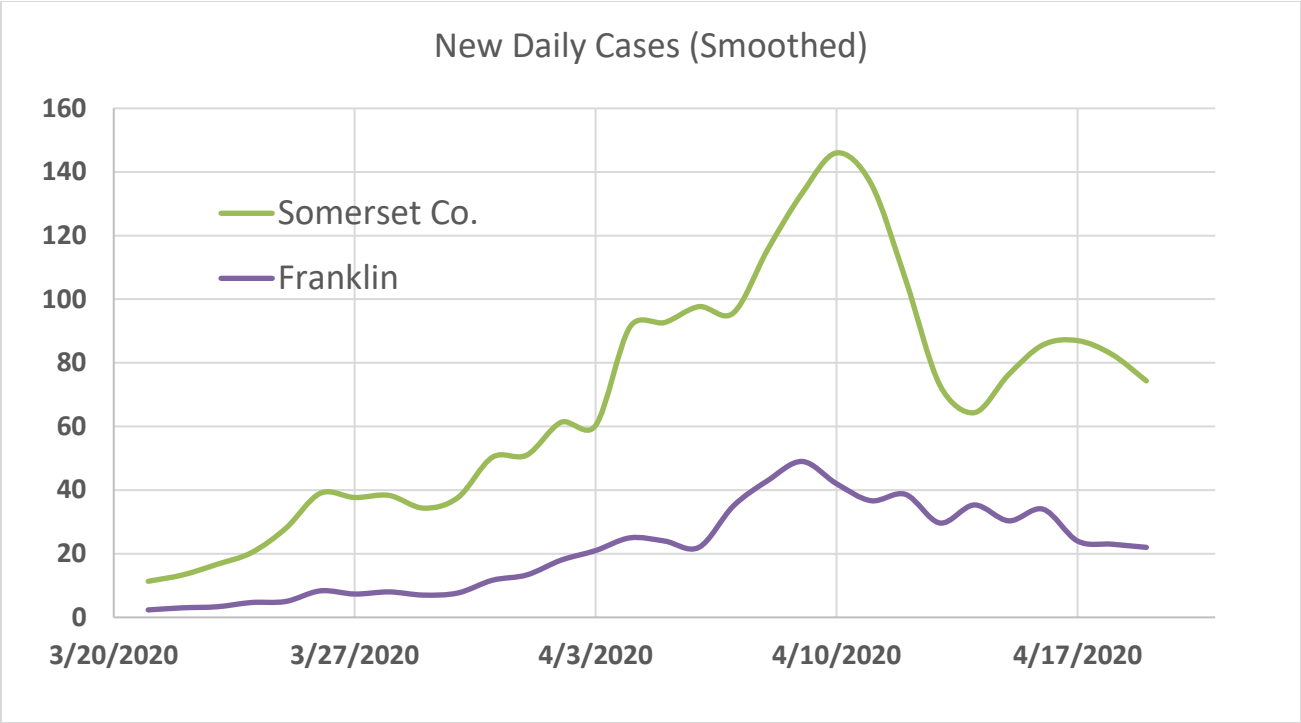
4/19/2020 Data

I've covered doubling times in the past. In short it is the number of days it takes for the number of cases to double. The bigger the number the better. For a more complete description go [here](#).

This shows the doubling time for Franklin, Somerset Co., NJ, and NY. It's a little hard to read but the point is they are all increasing. YIPPEE!!!. We of course want it to go higher but we are getting there.

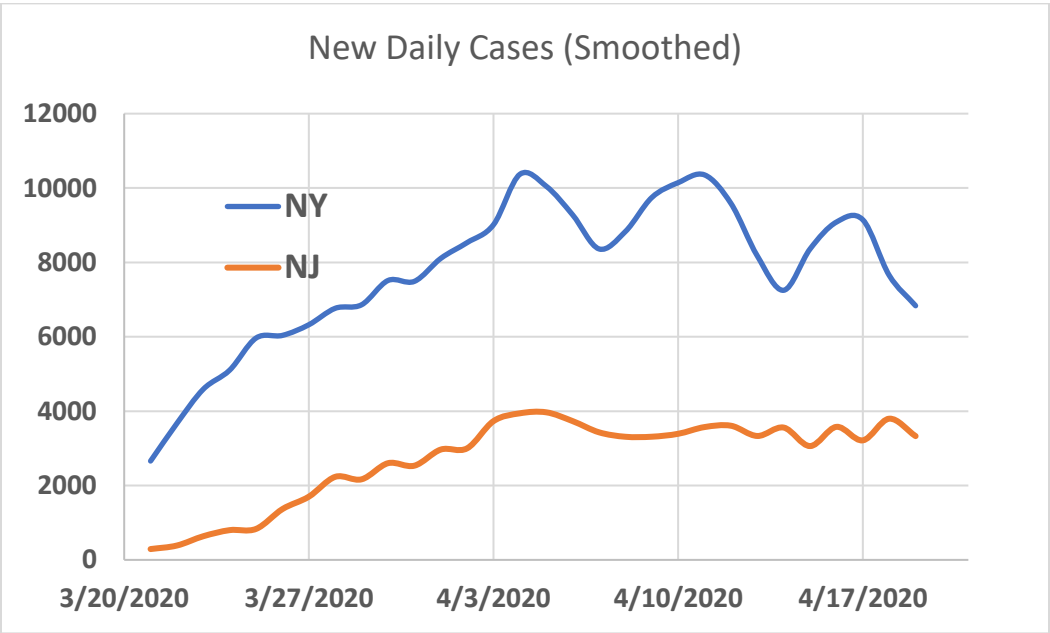


Next, we'll look at reaching the peak. The best way to see that is to graph new cases per day. Again, I do it for Franklin, Somerset Co., NJ, and NY. Because of the scale of the values I combine Franklin and Somerset Co. to one graph and the two states to another.



Here I've "smoothed" the data by averaging the numbers over three days. It takes out the jumpiness or as scientists like to call it "noise". Another YIPPEE here. Looks like we passed the peak over a week ago. But (with this virus there is always a but) Note the waviness of the after peak lines. More later.

Now the plot of the states.



NY appears past peak, but NJ has leveled off. And look at how waving the lines are. The waviness of the line is what engineers refer to as "unstable". In other words, a kick in either direction and it could go either way.

Look, this is good news, I'd even say very good news. When doubling times reached 9 days I weld up with joy. Now we are near 20. WOW. But the instability of the state data means WE HAVE TO KEEP UP THE PRESSURE WITH SOCIAL DISTANCING!!!

I know, I know, I'm like a one trick pony but we NEED to do this it's our only tool BUT ITS WORKING.

One last point. The additional test site at RVCC could make our numbers go up. In other words, more testing means more positives even without more actual people being infected. Imagine if we tested everyone now, the numbers would go through the roof without an additional real infection.

Remember, one for all. PK