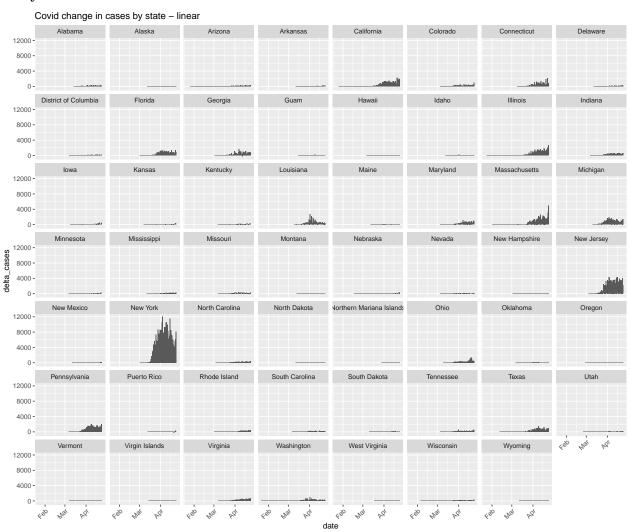
Change Analysis

Another experiment to look at rate of change. Idea here is to compare the reported change against the cumulative sum.

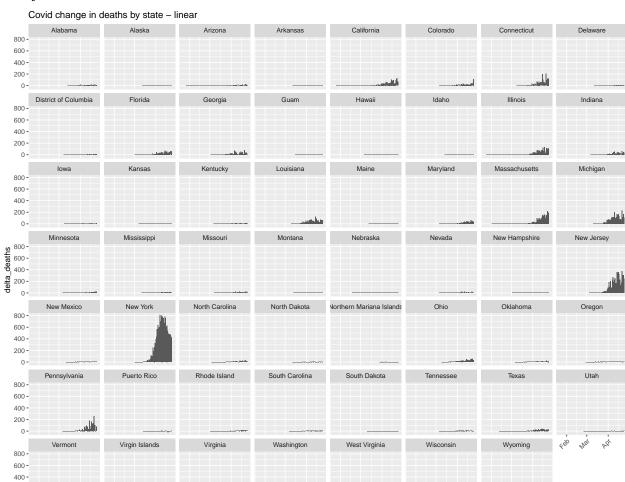
Last date for states data is 2020-04-24

Extract daily changes

Daily Cases



Daily Deaths

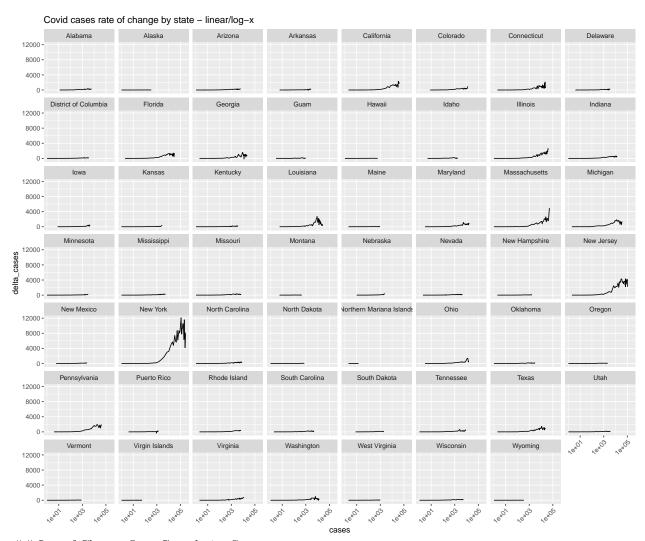


Change over Cumulative Sum

200 -

Change in Cases over Cumulative Sum

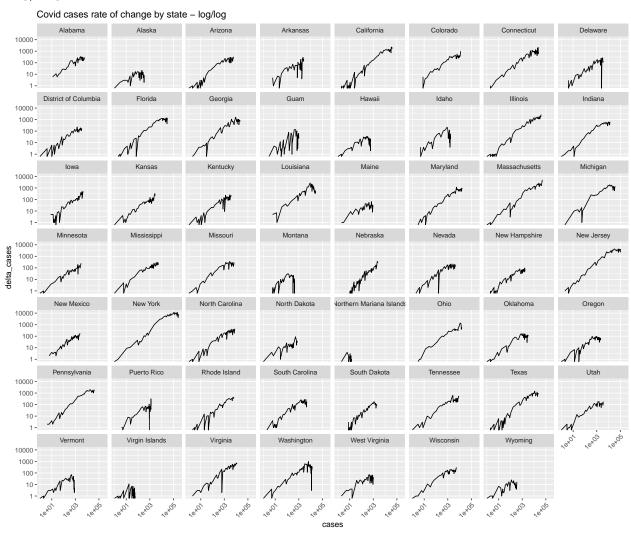
Use the log of the cumulative sum to better scale the values.



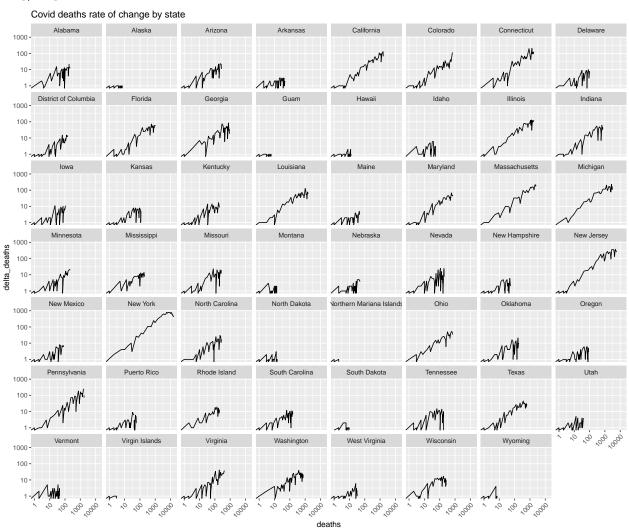
Log of Change Over Cumulative Sum

Linear values are skewed by higher-magnitude values, so use a log(10) on each axis. this better fits the exponential nature of the data anyway.

Log/Log of Cases Over Cumulative Sum



Log/Log of Deaths over Cumulative Sum

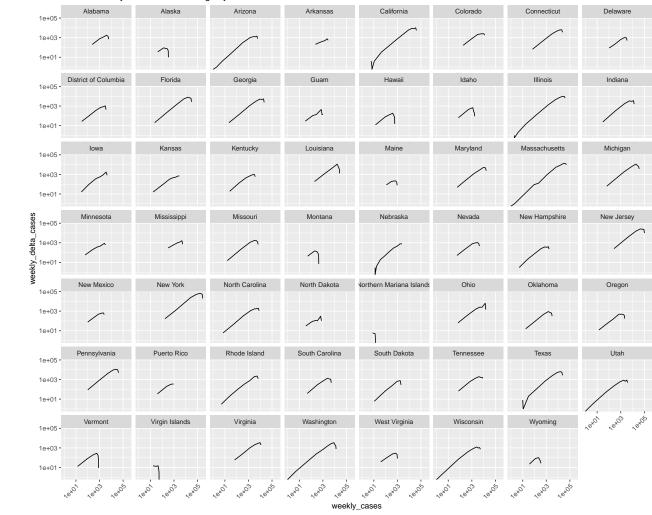


Weekly Rate of Changes

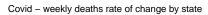
In order to smooth out the curves in the previous graphs, look at them on a weekly basis.

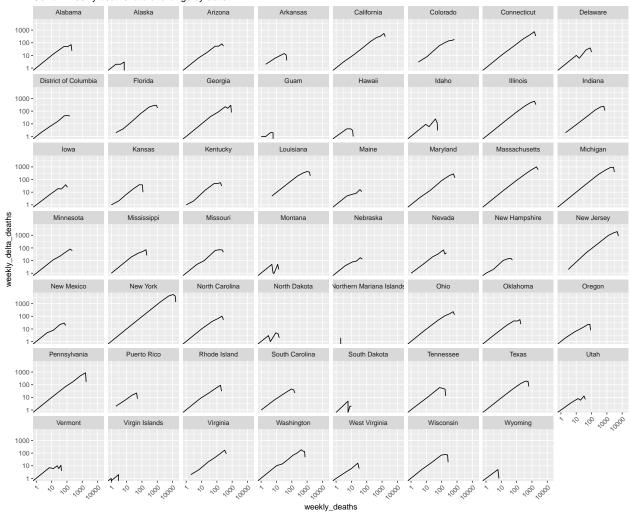
Weekly Range of Change of Cases by State

Covid – weekly cases rate of change by state



Weekly Range of Change of Deaths by State





Washington Counties

Covid – weekly cases rate of change by WA Counties

