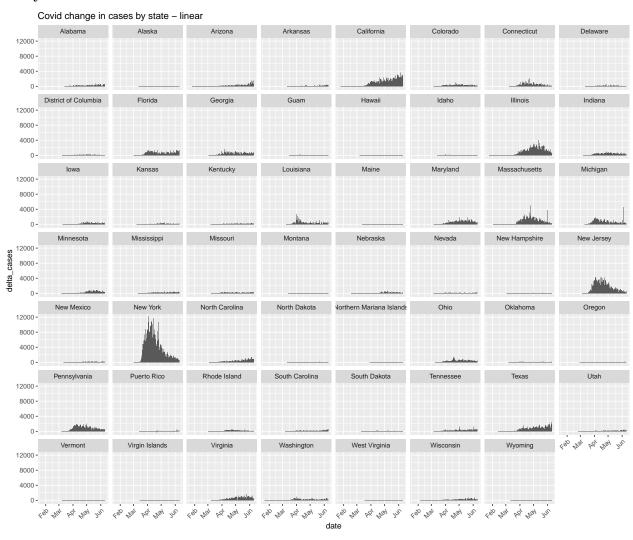
Change Analysis

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 2020-06-10

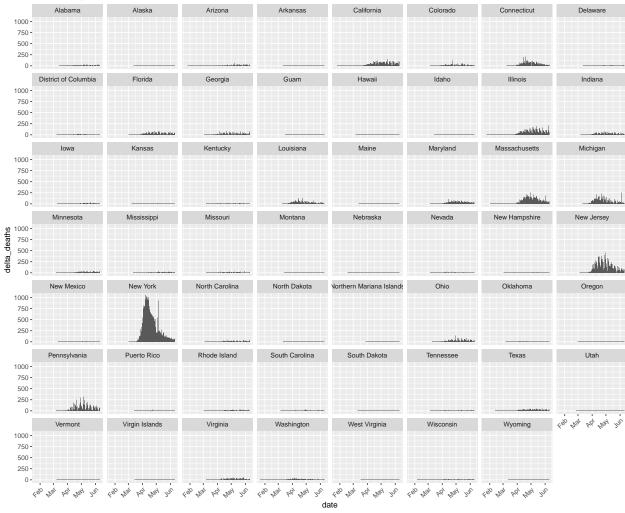
Extract daily changes

Daily Cases



Daily Deaths

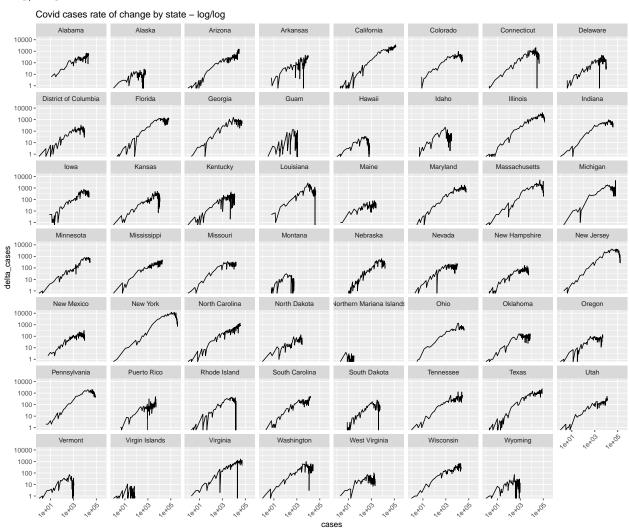




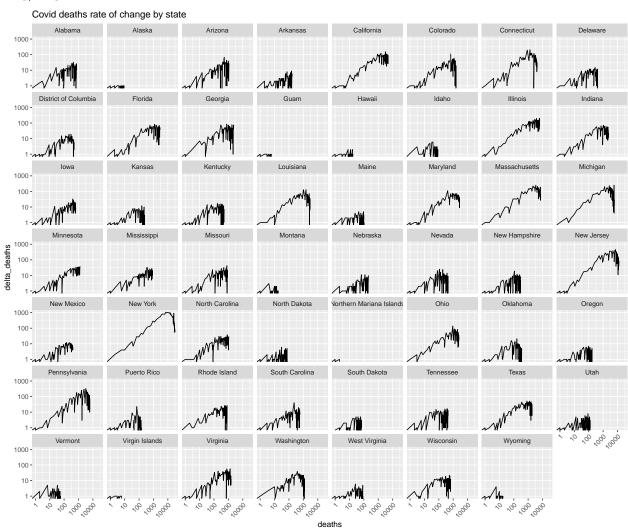
Log of Change Over Cumulative Sum

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



$\operatorname{Log}/\operatorname{Log}$ of Deaths over Cumulative Sum

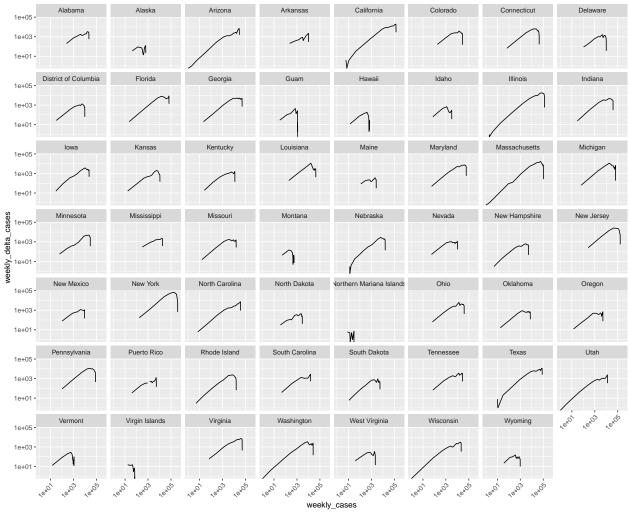


Weekly Rate of Changes

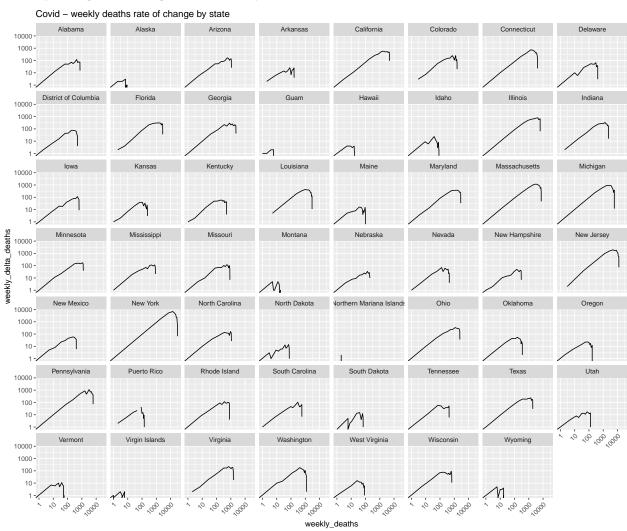
In order to smooth out the curves in the previous graphs, look at them on a weekly basis.

Weekly Range of Change of Cases by State

Covid – weekly cases rate of change by state

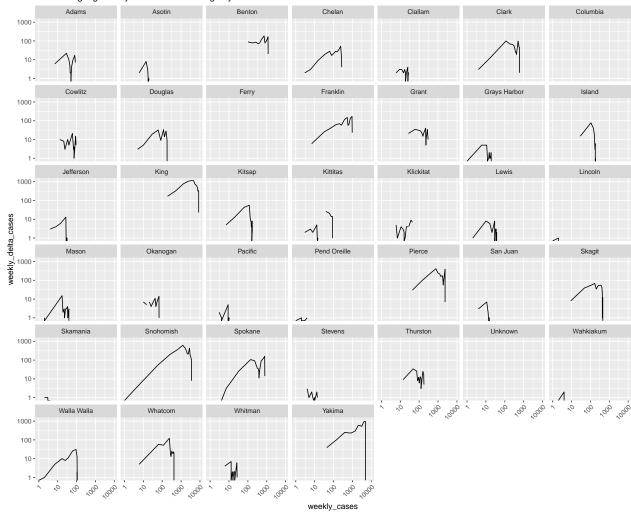


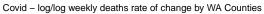
Weekly Range of Change of Deaths by State

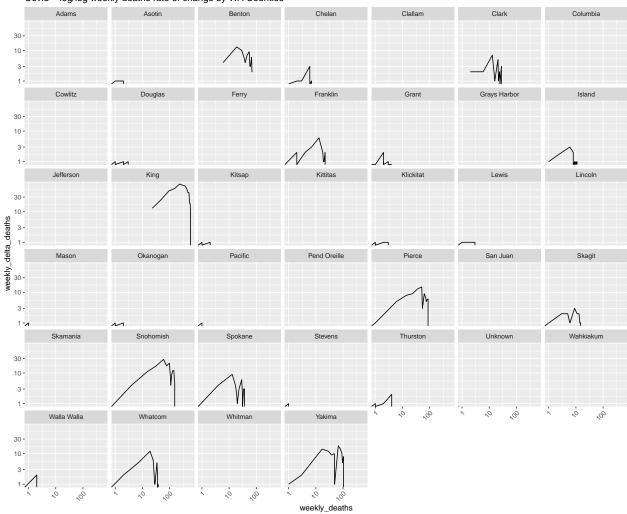


Washington Counties

Covid – log/log weekly cases rate of change by WA Counties







California Counties

Covid - log/log weekly cases rate of change by CA Counties

