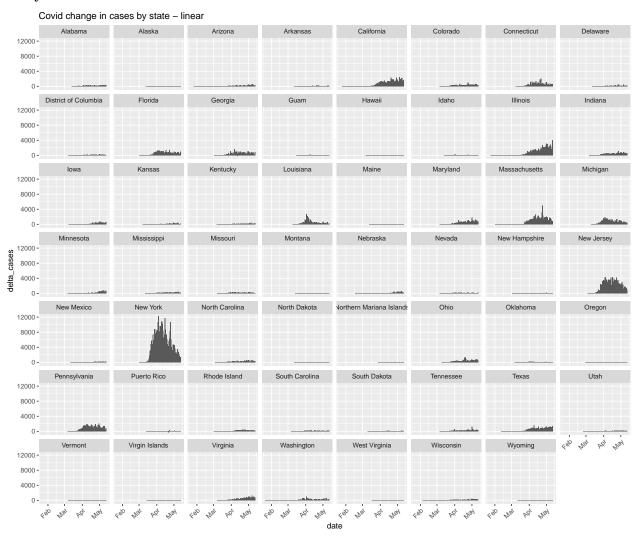
Change Analysis

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 2020-05-12

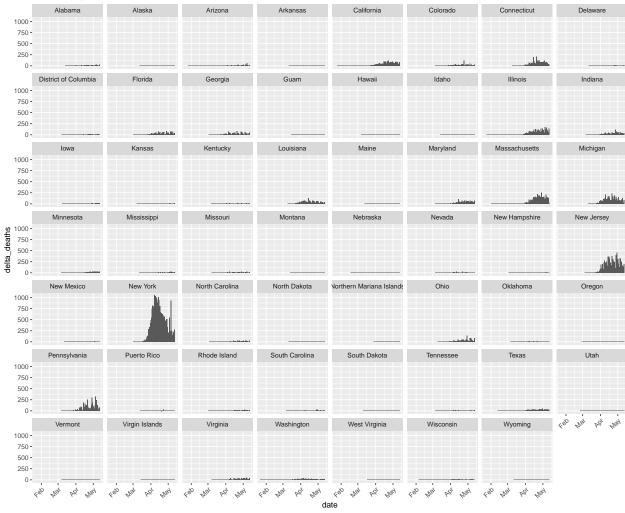
Extract daily changes

Daily Cases



Daily Deaths

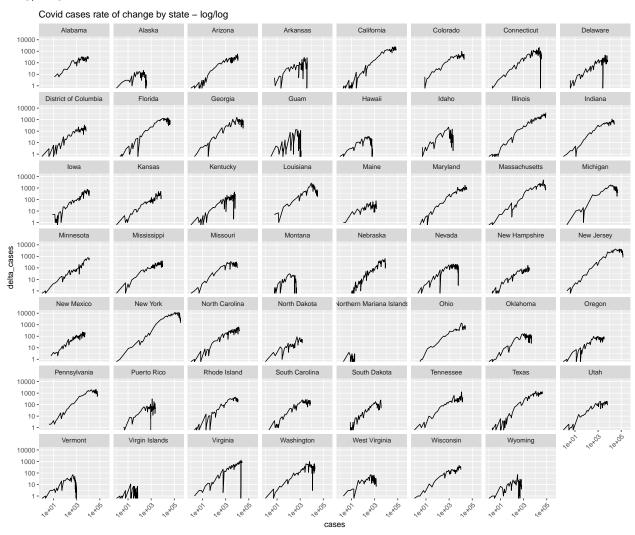




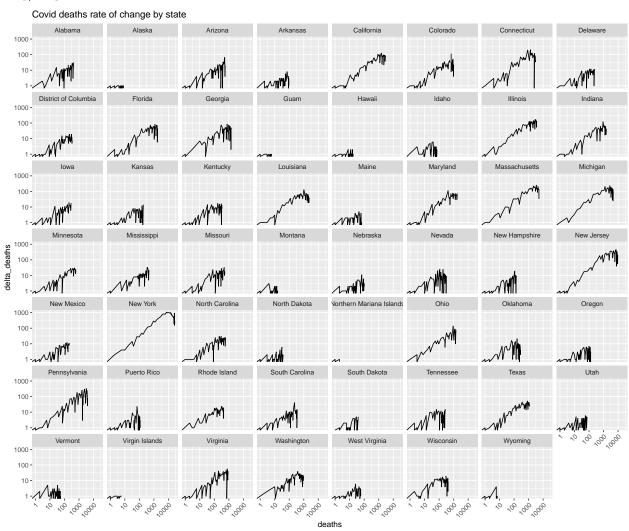
Log of Change Over Cumulative Sum

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



Log/Log of Deaths over Cumulative Sum

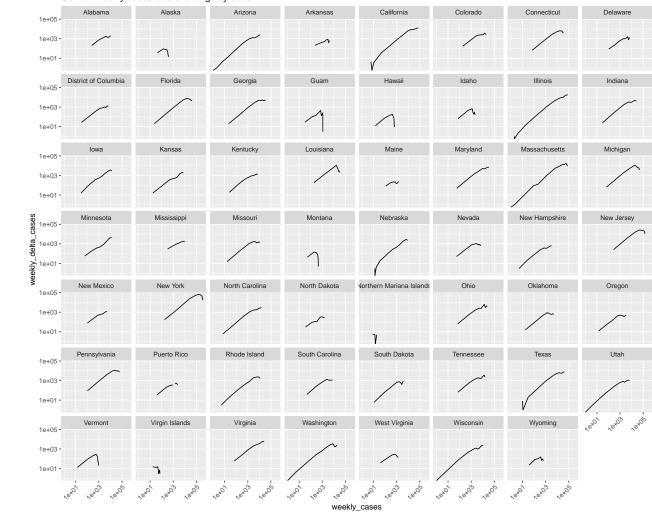


Weekly Rate of Changes

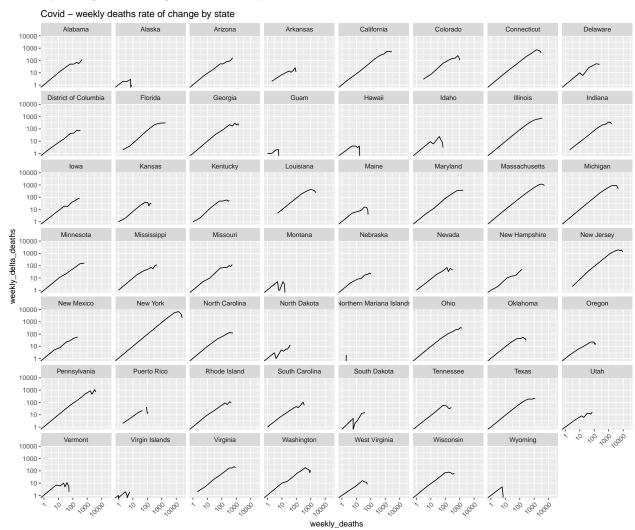
In order to smooth out the curves in the previous graphs, look at them on a weekly basis.

Weekly Range of Change of Cases by State

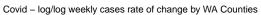
Covid – weekly cases rate of change by state

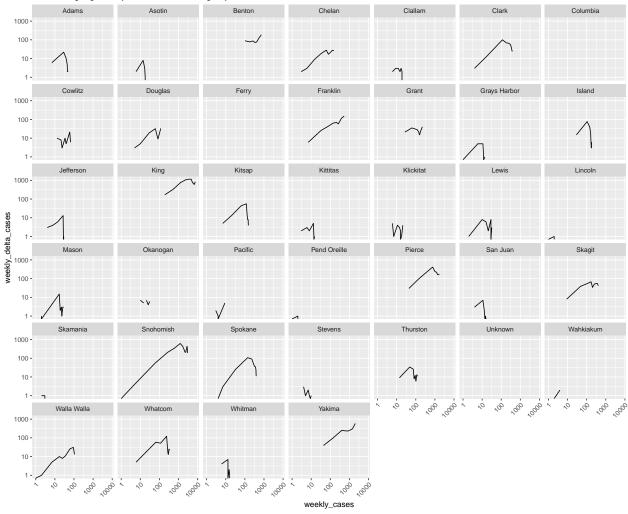


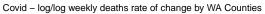
Weekly Range of Change of Deaths by State

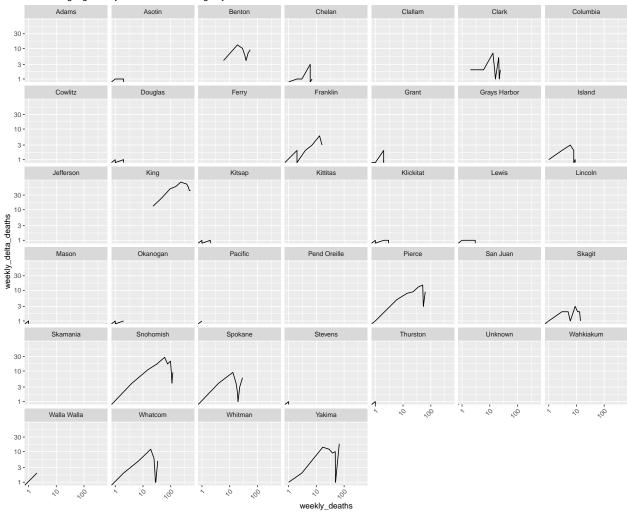


Washington Counties



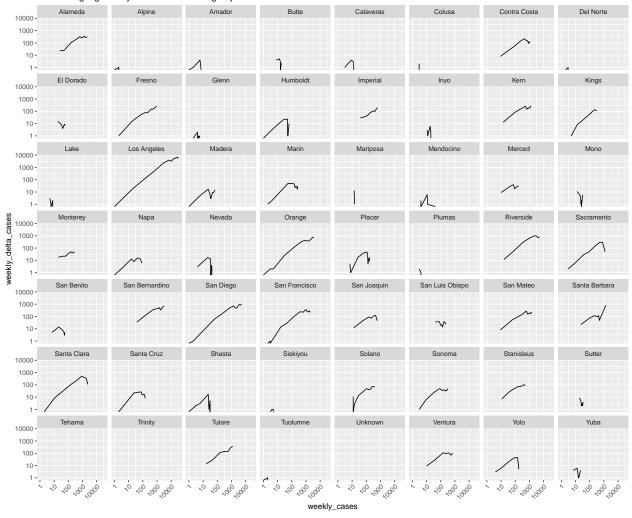


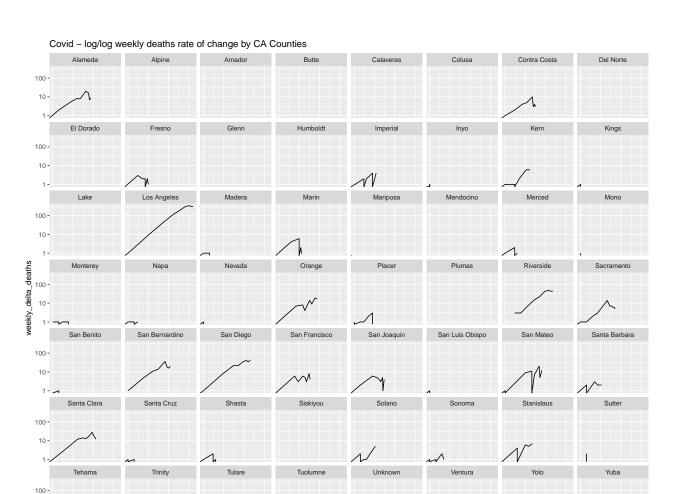




California Counties

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





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