More

Corona Virus Science

This blog explains some of the science related to the corona virus (COVID-19) perspective. Most posts contain links to the underlying research.

COVID-19 Model Projections

This page contains graphs with the latest COVID-19 projections for the US from the "Data Trend Model". Previous predictions can be downloaded from Github.

Last model run

April 25, 2020 with Johns Hopkins Data from 4/24/2020.

- **Total deaths predicted by 6/21/2020: 182,092** (yesterday: 154,033)
- **Excluding New York & New Jersey: 142,481** (yesterday: 112,680)
- **Predicted daily death on 6/21/2020: 2,354** (~ 140,000 per 2 months)

Summary

Today's model runs shows about 28,000 more deaths within the next two months than yesterday's run. This increase reflects that the US had a new record of projected COVID-19 cases yesterday (36,188 according to Johns Hopkins, 38,958 according to Worldometers). The biggest changes:

- Massachusetts and Illinois show a stronger upward trend
- Michigan shows an upward trend after a downward trend yesterday. Michigan had a strong record numbers yesterday which are reflected in the model changes.
- Kansas has a strong upward trend in numbers for the last week that is reflected better in today's model.
- New Hampshire shows a slight increase today after a decrease yesterday, but case numbers are still low.
- Pennsylvania is a bit flatter today.
- Texas is now showing a slight upward trend after a downward trend yesterday. Texas had a record number of reported cases yesterday, after a strong increase the day before. Since predictions are based on trend lines for 7 days, two days of increased numbers will cause a larger change than a single day, which is what we are seeing.
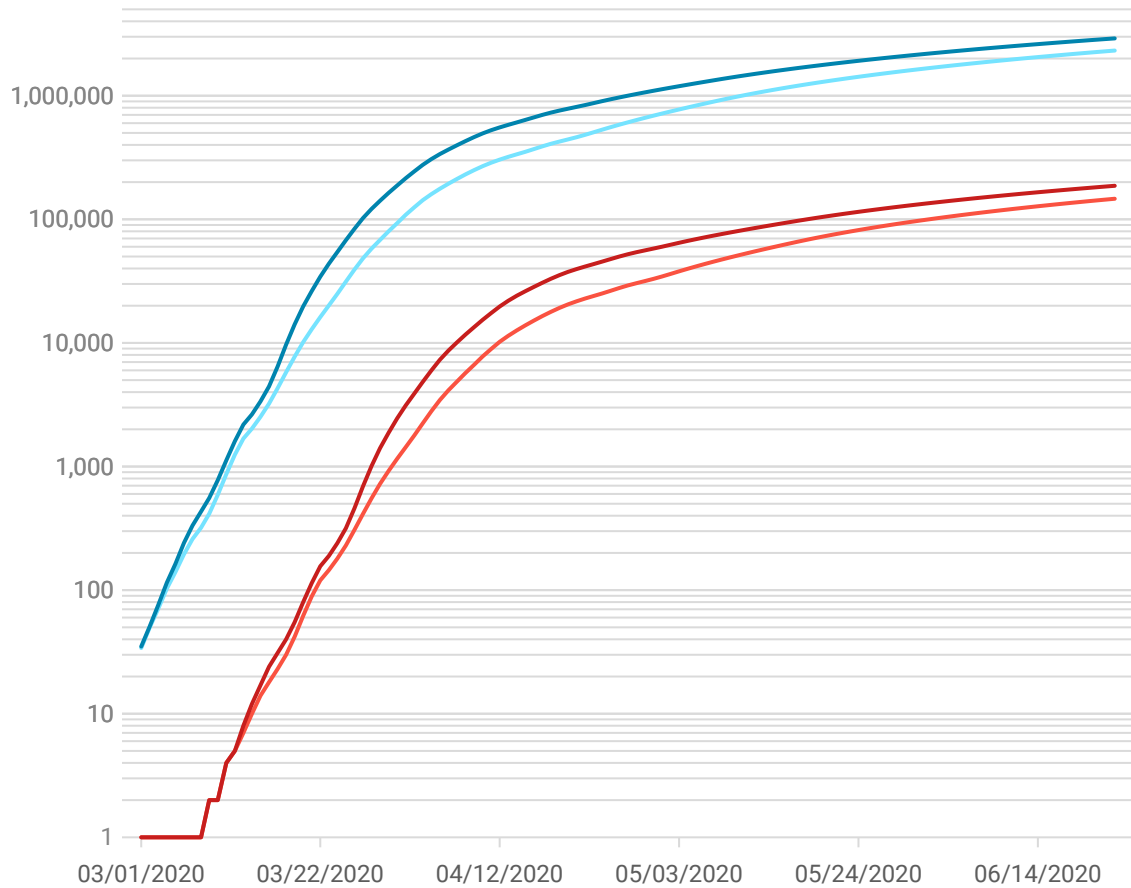
While some of these changes reflect strong trends in the data from the last few days, other changes seem more related to random ups and downs in the data. This indicates that more

filtering should help to get more stable models.

Total projected COVID-19 cases and deaths

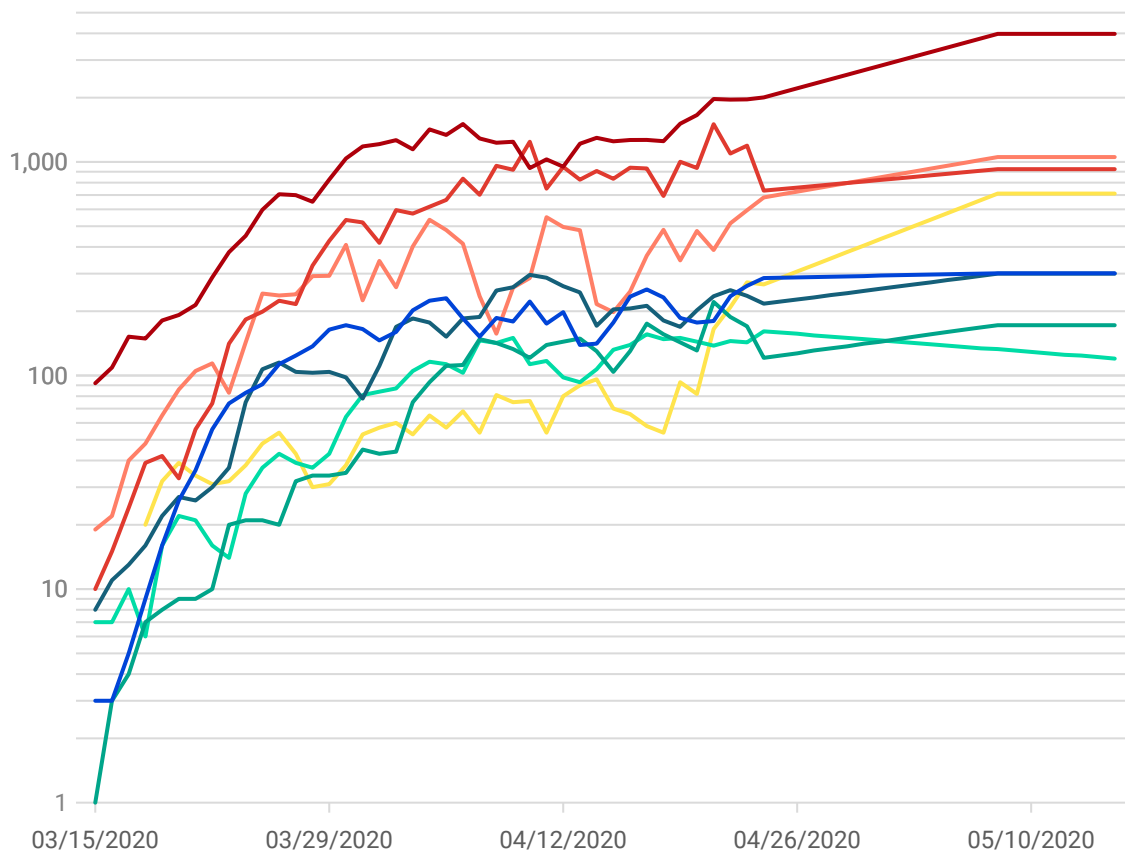Future growth in cases per day limited to 14 days

— Total cases   — Cases without NJ & NY   — Total deaths   — Total deaths without NJ & NY

Get the data • Created with Datawrapper

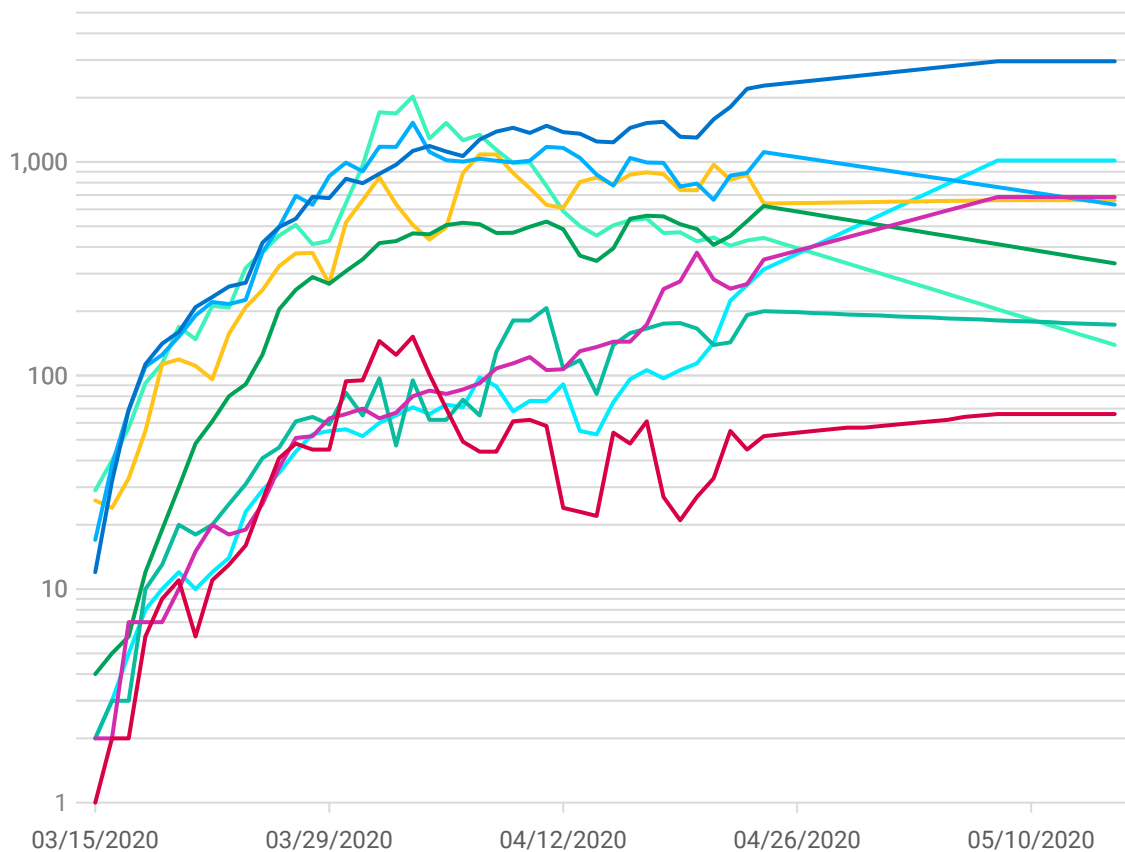## Actual and projected daily COVID-19 cases by state (AL-DC)

— Alabama — Arizona — Arkansas — California — Colorado — Connecticut — Delaware
— District of Columbia

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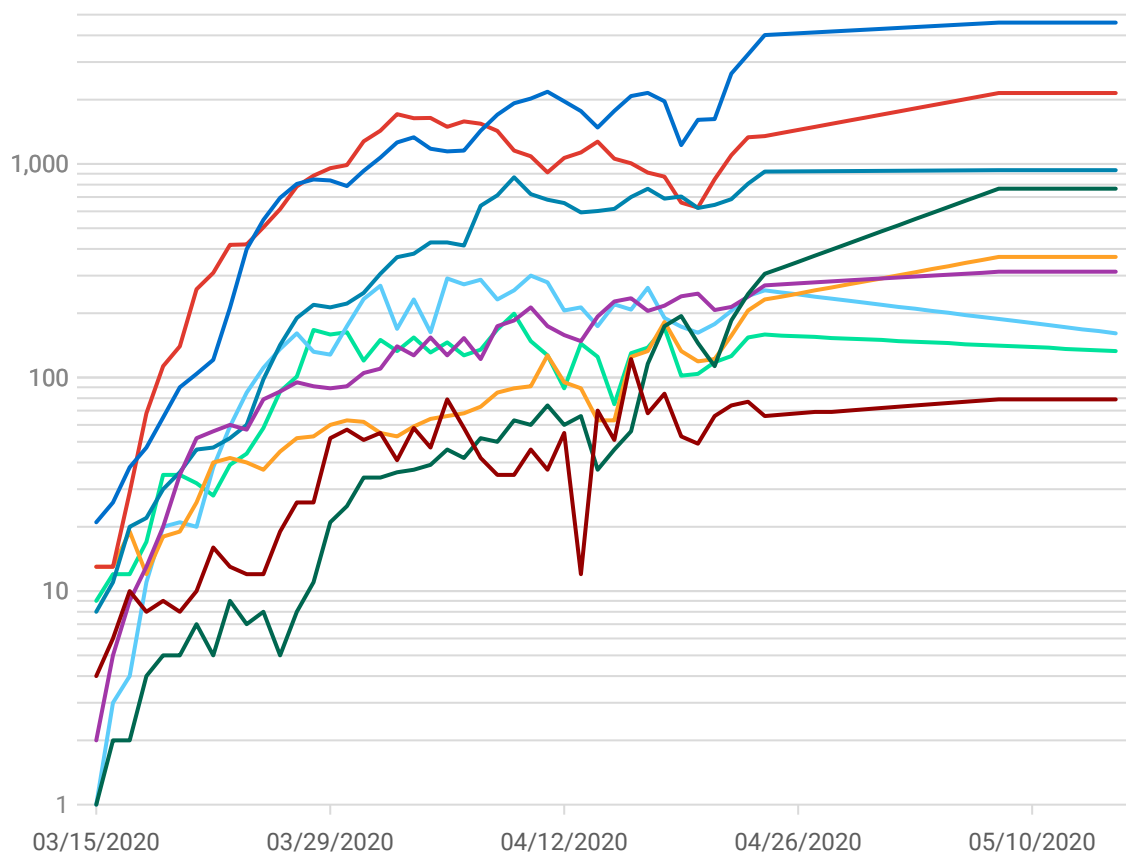# Actual and projected daily COVID-19 cases by state (FL-LA)

— Florida — Georgia — Idaho — Illinois — Indiana — Iowa — Kansas — Kentucky

— Louisiana

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Actual and projected daily COVID-19 cases by state (MD-NH)
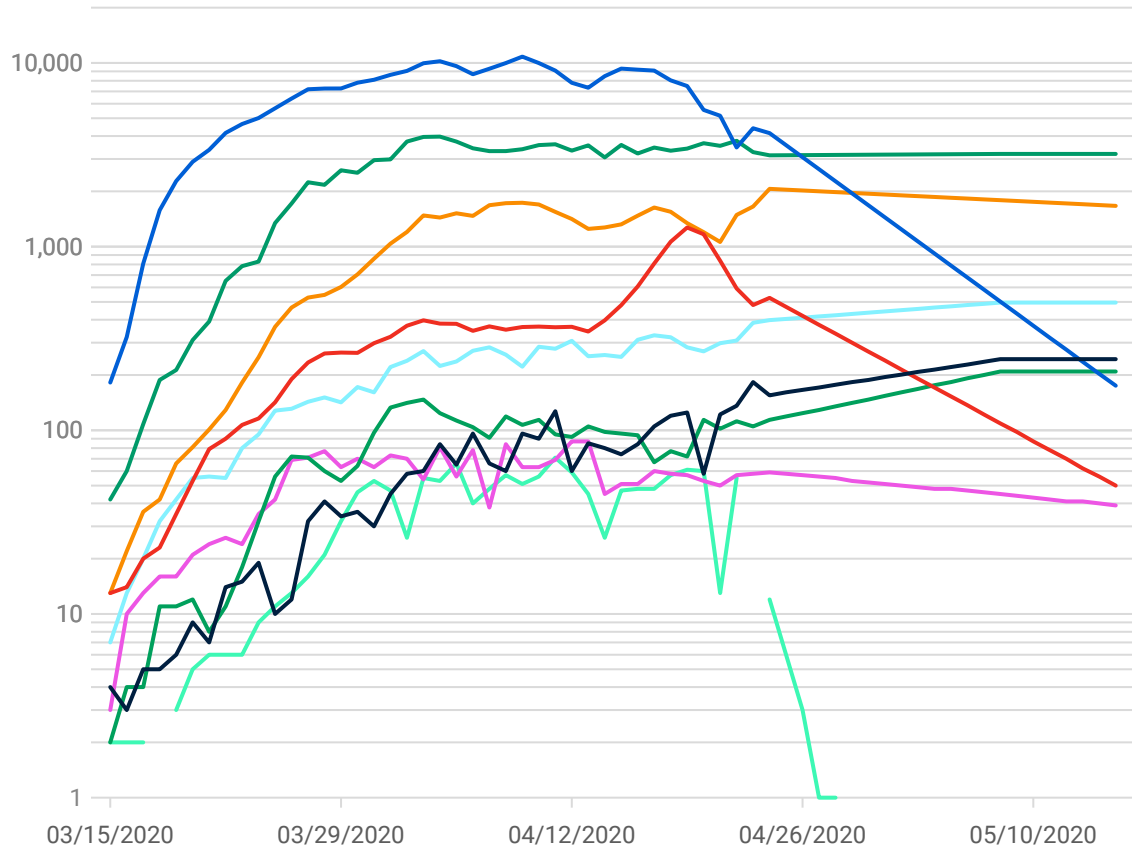
— Maryland — Massachusetts — Michigan — Minnesota — Mississippi — Missouri
— Nebraska — Nevada — New Hampshire

Get the data • Created with Datawrapper

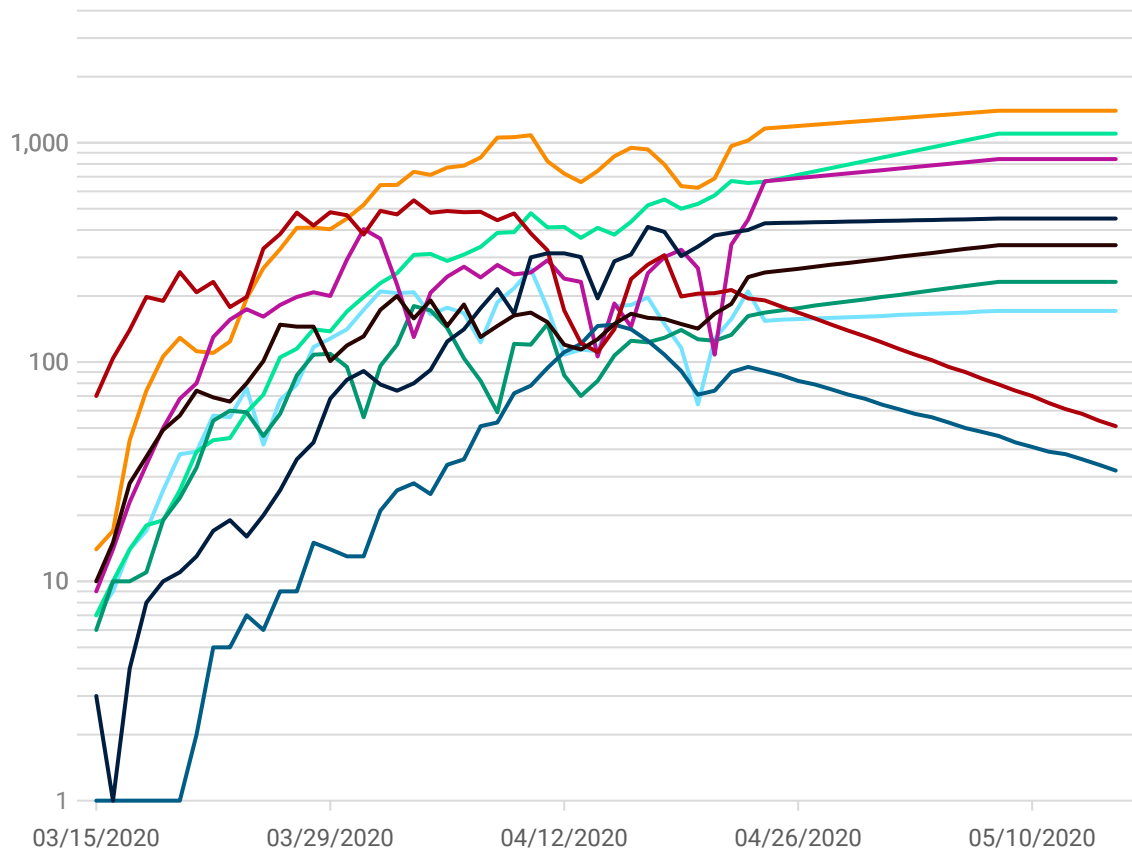# Actual and projected daily COVID-19 cases by state (NM-PR)

- New Jersey   — New Mexico   — New York   — North Carolina   — Ohio   — Oklahoma   — Oregon
- Pennsylvania   — Puerto Rico

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Actual and projected daily COVID-19 cases by state (RI-WI)

— Rhode Island — South Carolina — South Dakota — Tennessee — Texas — Utah — Virginia — Washington — Wisconsin

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