



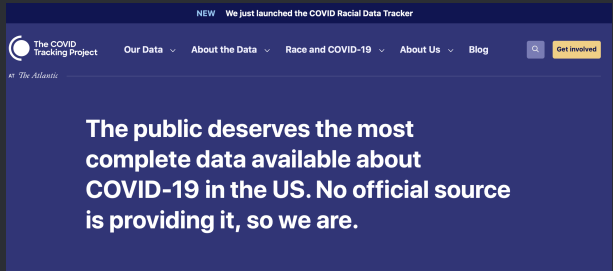
Covid-19 Modelling

Analysis of Covid-19 Statistics in the U.S.

Hongda Wang

Data source

Data API



The COVID Tracking Project

<https://covidtracking.com>

Provides API access and downloadable CSV data

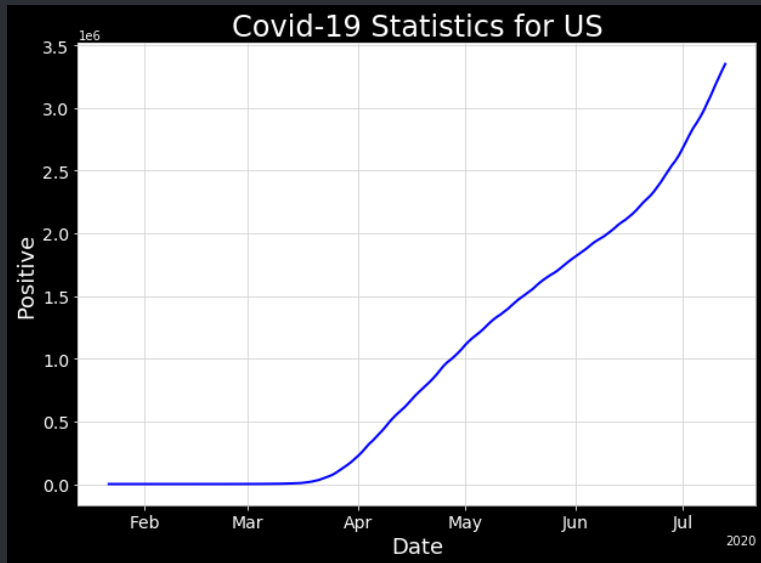
Historical data in the U.S

<https://covidtracking.com/api/v1/us/daily.json>

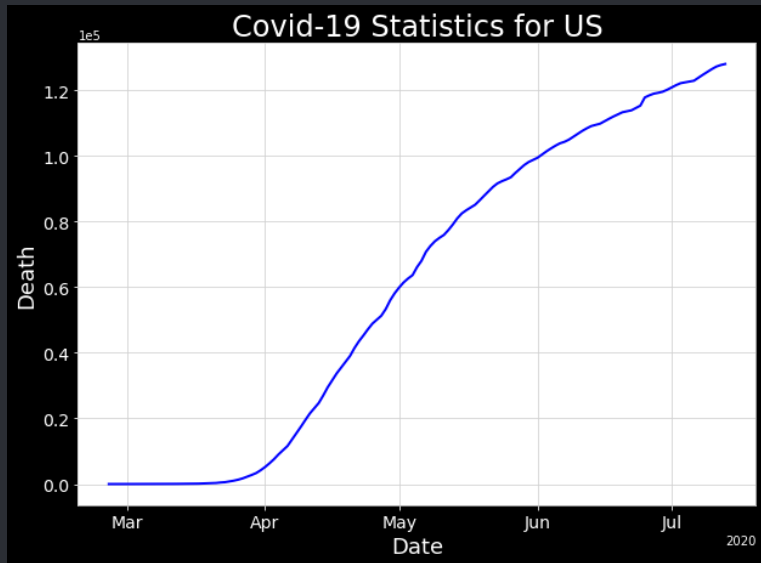
Important fields in the dataset

- date
- death
- positive
- negative
- pending
- recovered
- hospitalizedCumulative
- hospitalizedCurrently
- inIcuCumulative
- inIcuCurrently
- onVentilatorCumulative
- onVentilatorCurrently

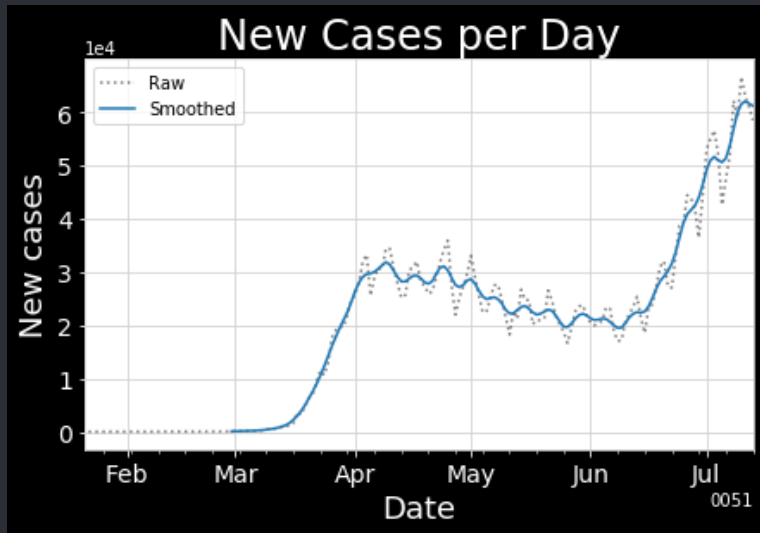
Positive Covid-19 cases in the U.S



Covid-19 deaths in the U.S

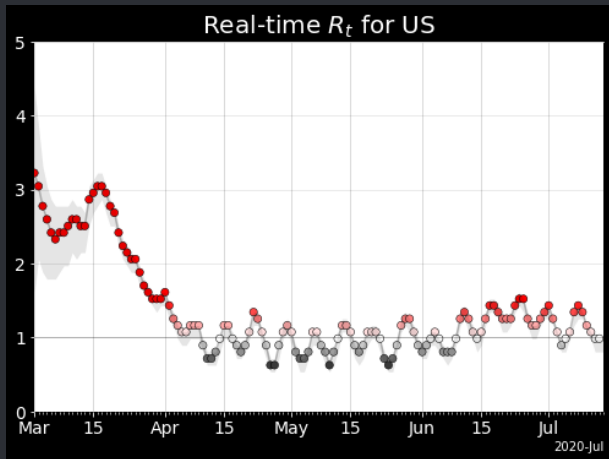


New cases



R value

Basic reproduction number



Tests in different day of the week

Do test ability or people's willingness to get tests depend on day of the week?

