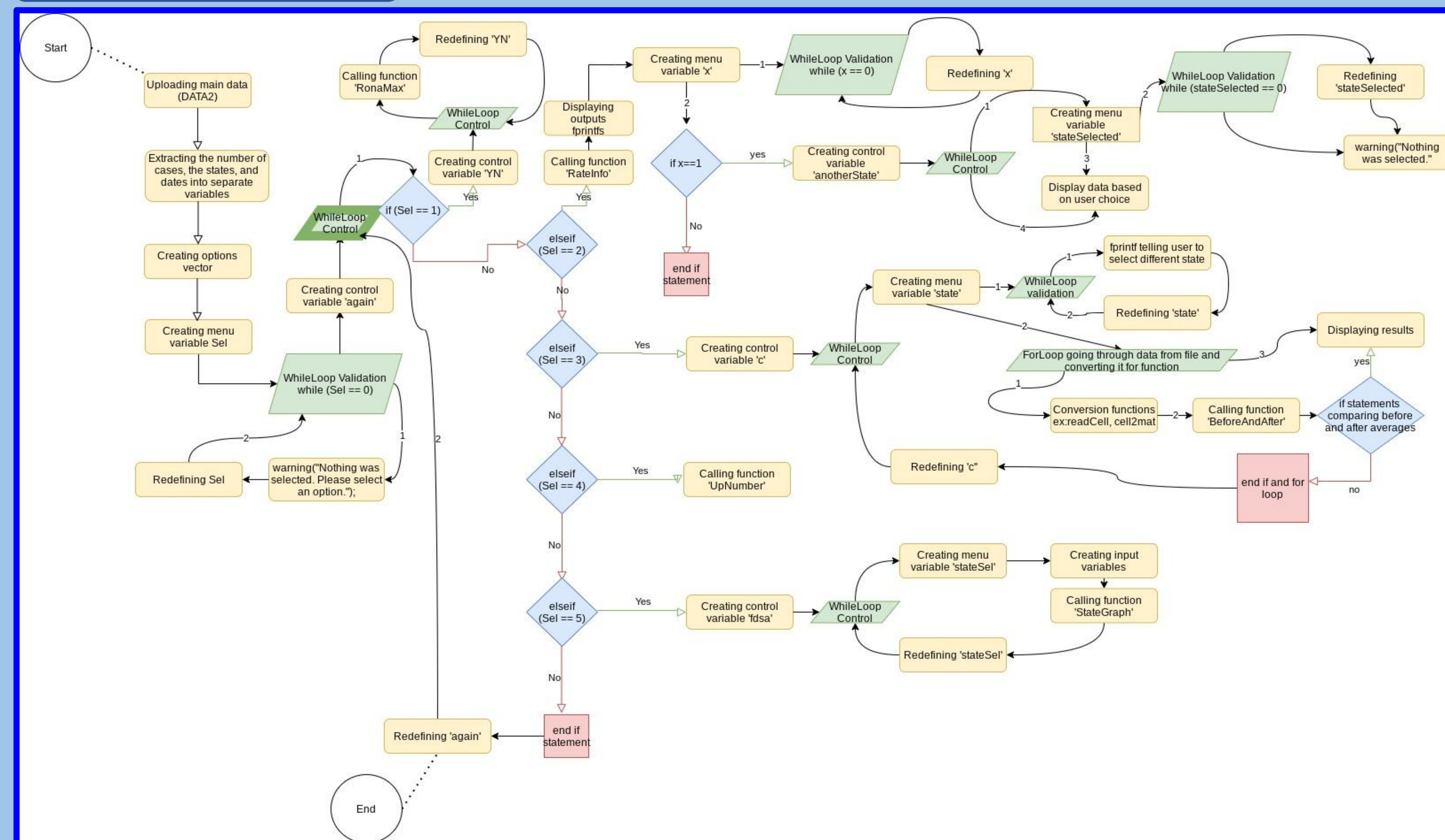


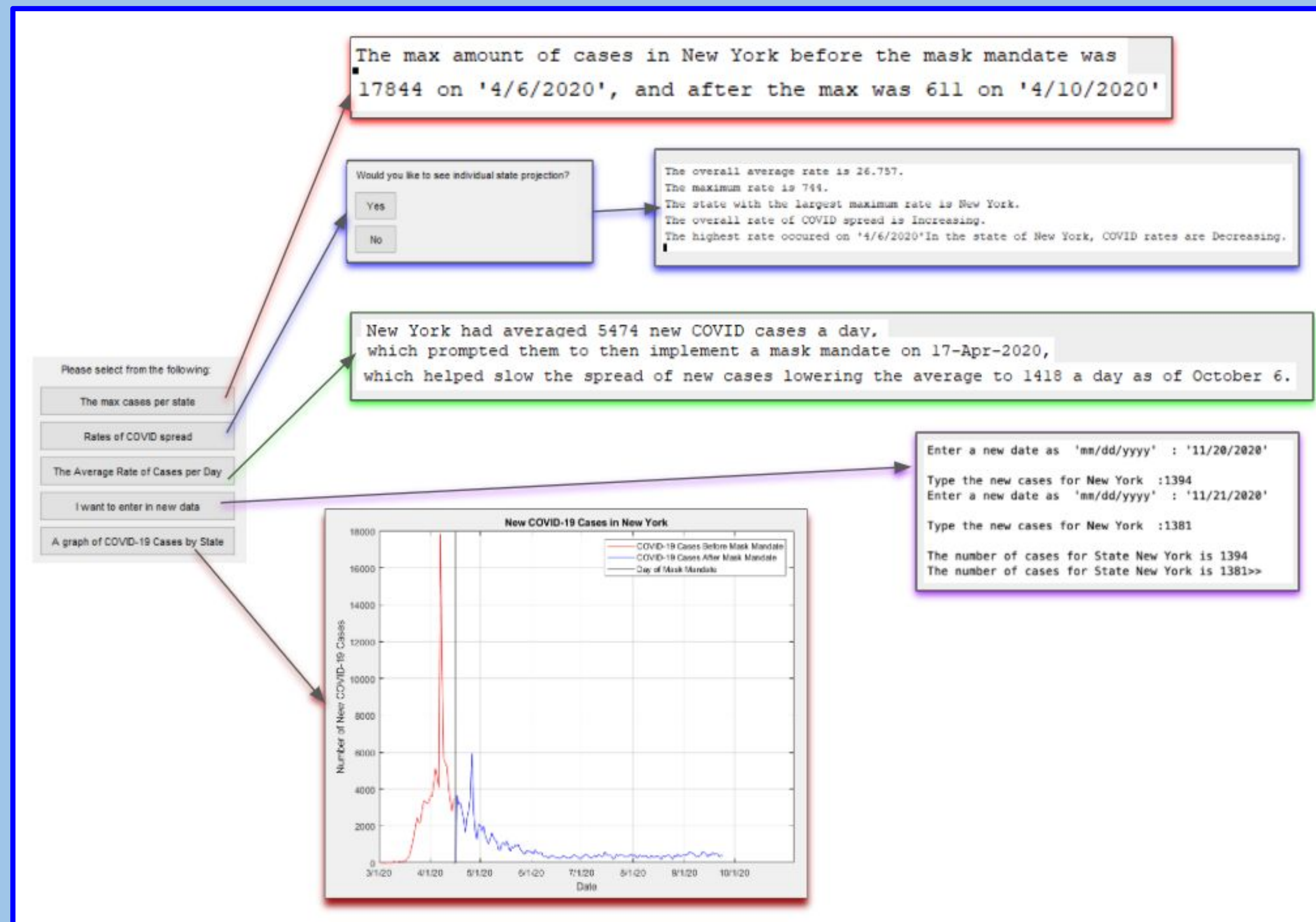
## Background:

Covid-19 is a global pandemic that rapidly took over the world. So far, there have only been six vaccines for early or limited use and none for approved use (Corum, Wee, and Zimmer). Alternative methods of potentially slowing the spread need to come out, one of which is wearing a mask. This raises the question of whether wearing a mask would slow down the rate while waiting for the vaccines to come. The answers are conflicted due to many different opinions from various sources. One of the reasons would be new data is being released every day, making it harder to create an up-to-date report that can still be relevant months after release. Our program uses data compiled from various sources outlining the spread of COVID throughout the U.S. This data is cross-referenced to the dates mask provisions went into place.

## Algorithm



## Results for “New York”



**Future Steps:** Overall, this program could be extended to include other COVID prevention laws and procedures.

### Code Improvements:

- Additional user input (extend menus)
- Modify UpNumber function to allow user to enter more COVID info
- Output notable mask mandates

## Conclusions/Limitations:

Conclusion-The program focuses on the number of cases and cross-references them with the dates mask provisions went into place.

Limitations-The program only accounts for when provisions went up, not if they were taken down. It also does not account for changes in mask provisions(strict,not as strict, etc.)

## Citations:

Corum, Jonathan, Wee, Sui-Lee and Zimmer, Carl. “Coronavirus Vaccine Tracker.” *The New York Times*, <https://www.nytimes.com/interactive/2020/science/coronavirus-vaccine-tracker.html>. Accessed 6 Nov 2020.

Markowitz, Andy. “Does Your State Have a Mask Mandate Due to Coronavirus?” *AARP*, [www.aarp.org/health/healthy-living/info-2020/states-mask-mandates-coronavirus.html](http://www.aarp.org/health/healthy-living/info-2020/states-mask-mandates-coronavirus.html).