

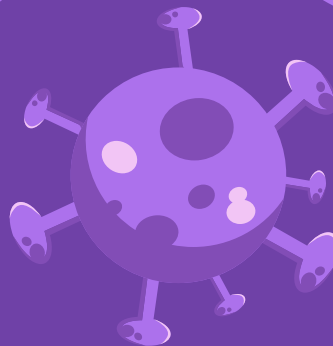
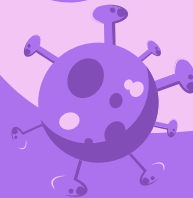
# COVID - 19 & Mobility

Group 4



# Question & Hypothesis

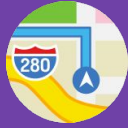
Explore the pandemic's impact on mobility within the United States



# Presentation Outline

- The Data sources
- The data's limitation
- The data cleaning and visualization processes
- The questions arose along with our observations

# About the Data



Apple Map



Google Map

## Intention

Apple's data only tracks destination searches

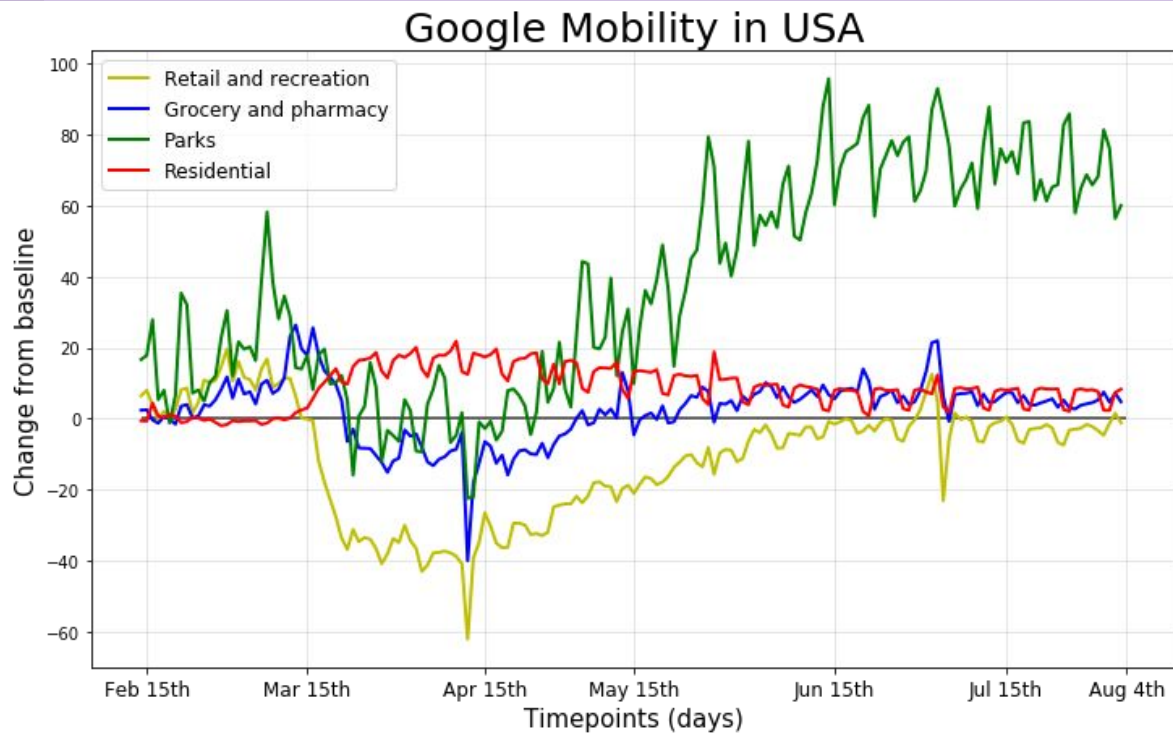
## Input

Google's data only tracks destination input into the app

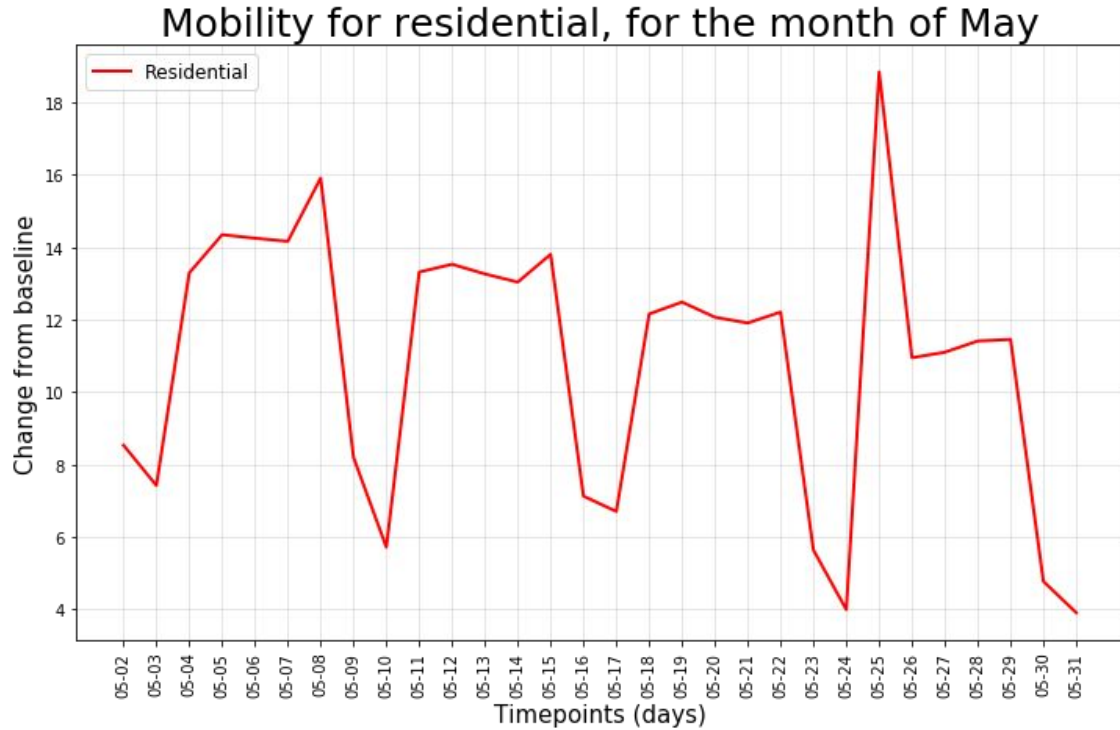
## Permission

Google's data only includes sample of users who enabled geo-location

# Overall Mobility



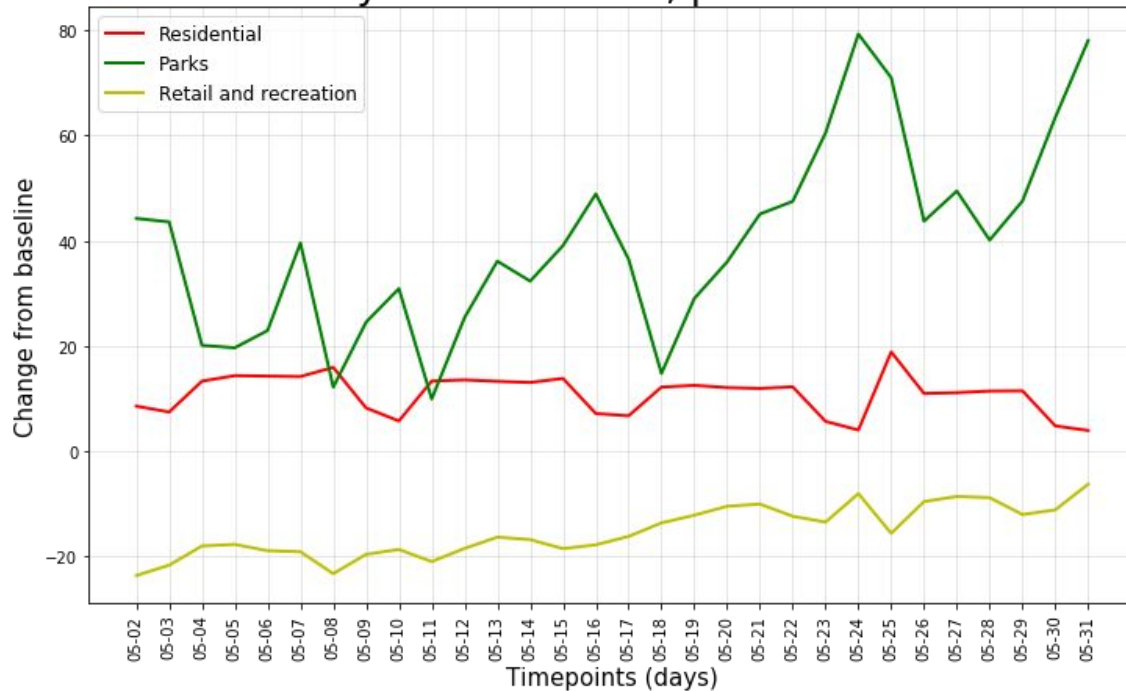
# Residential





# Holidays/Weekends

Mobility for residential, parks and retail





# Findings Summary

## Recreation + Retail

Park visits **increased**  
greatly while retail  
remained **static**



## Residential

Quarantine behavior  
relaxed overtime

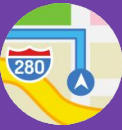


## Weekends + Holidays

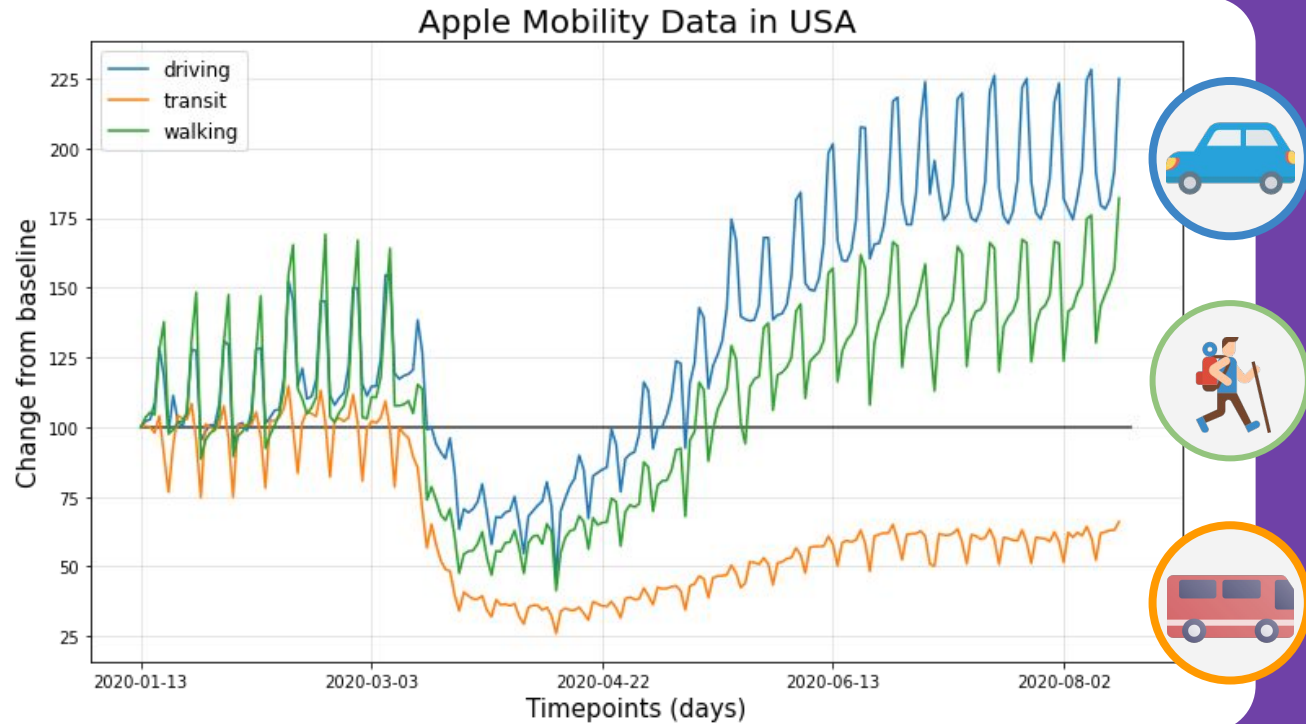
Travel to parks **increased**  
during weekends and  
holidays

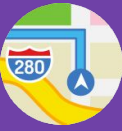




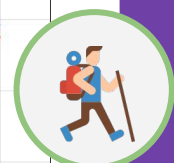
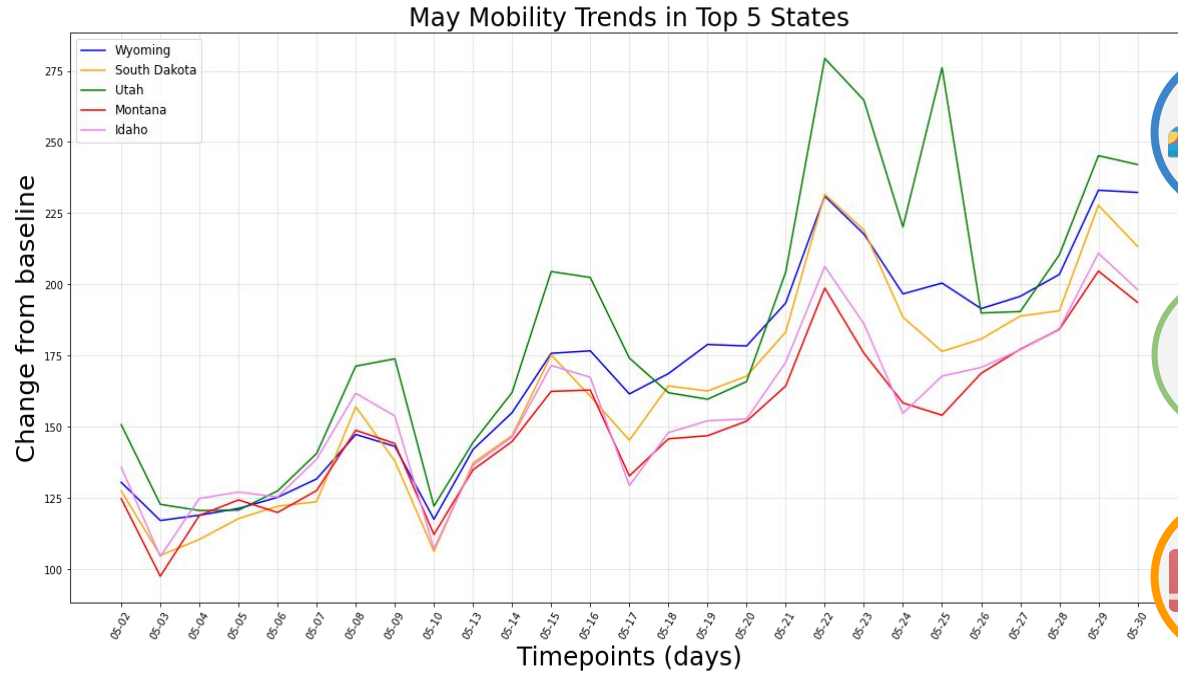


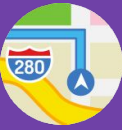
# Transportation



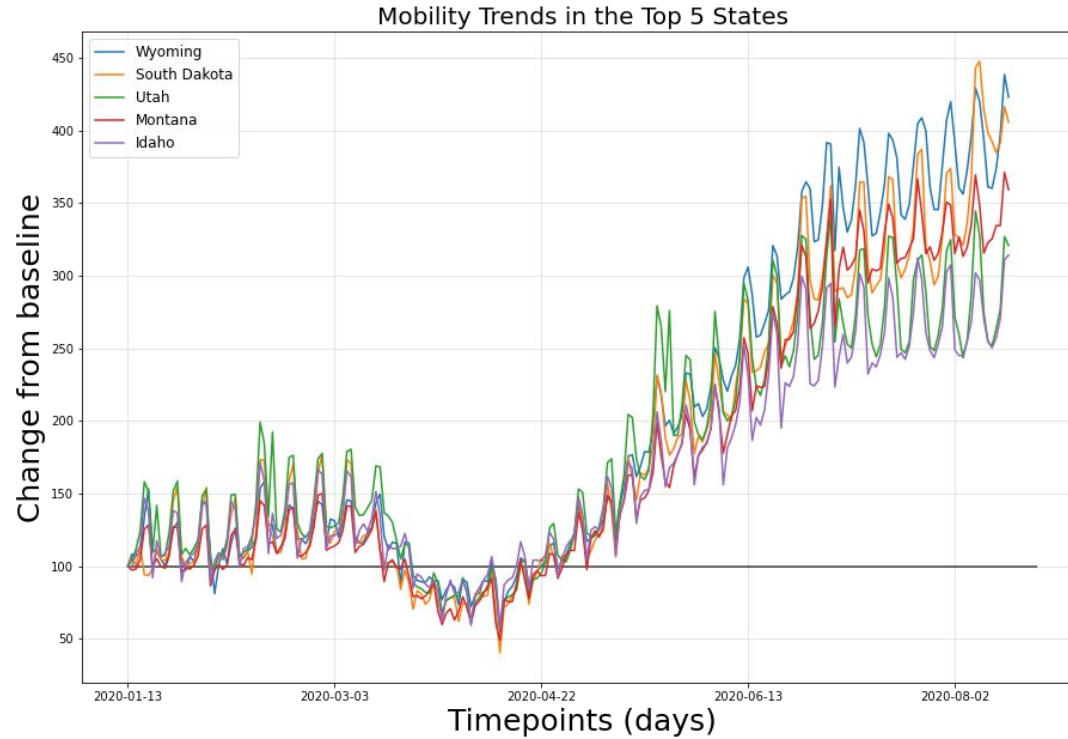


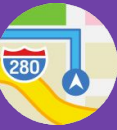
# Transportation



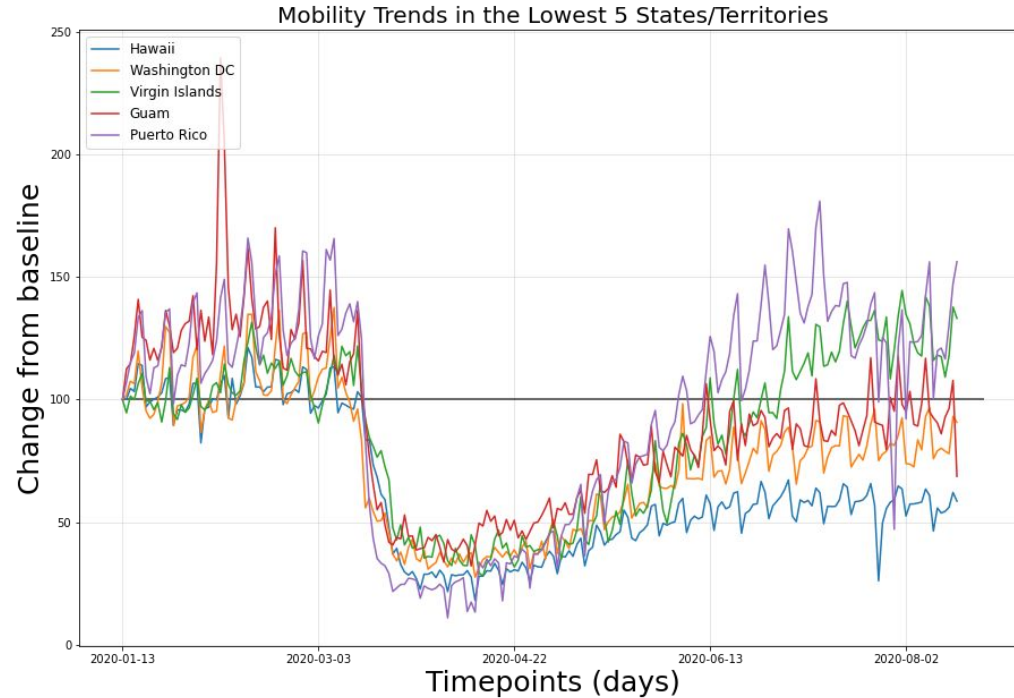


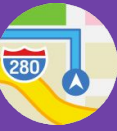
# Five States with Highest Search Activity





# Five States/Territories with Lowest Search Activity





# Finding Summary

## Driving

Travel via driving increased **greatly**



## Transit

Travel via transit slowed dramatically and remained static



## Overall

Interests in travel are slowly recovering



# Overall Summary/Conclusion

## Project Work



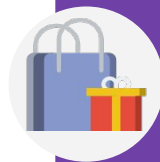
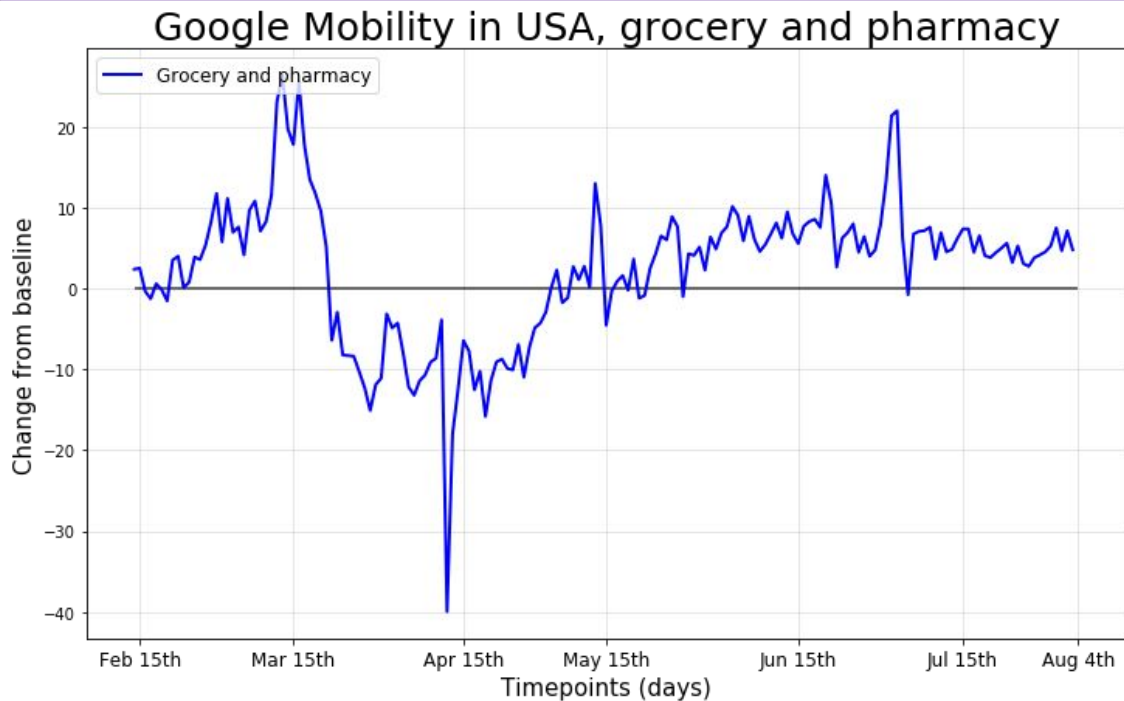
## Next Steps



# Appendix

Additional Graphs generated

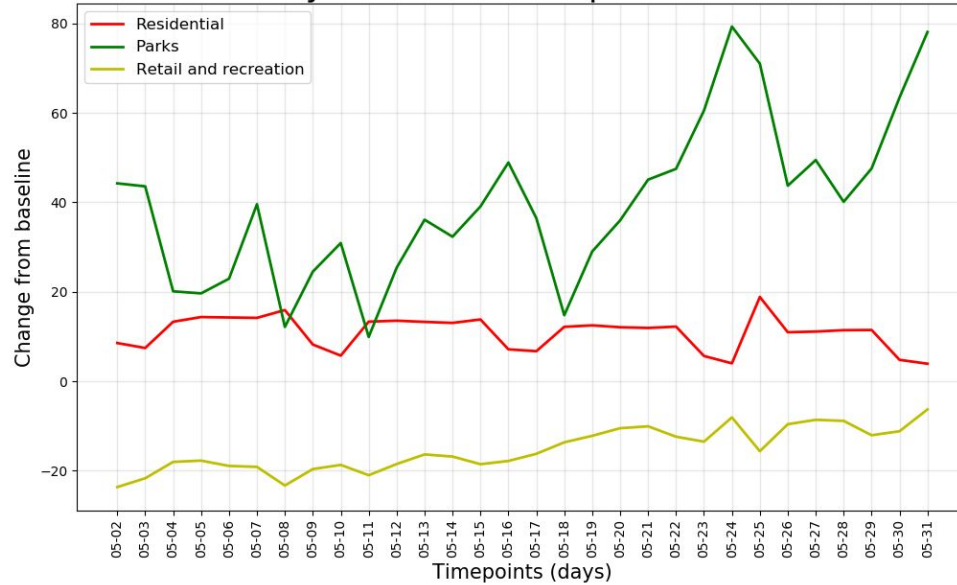
# Grocery and Pharmacy



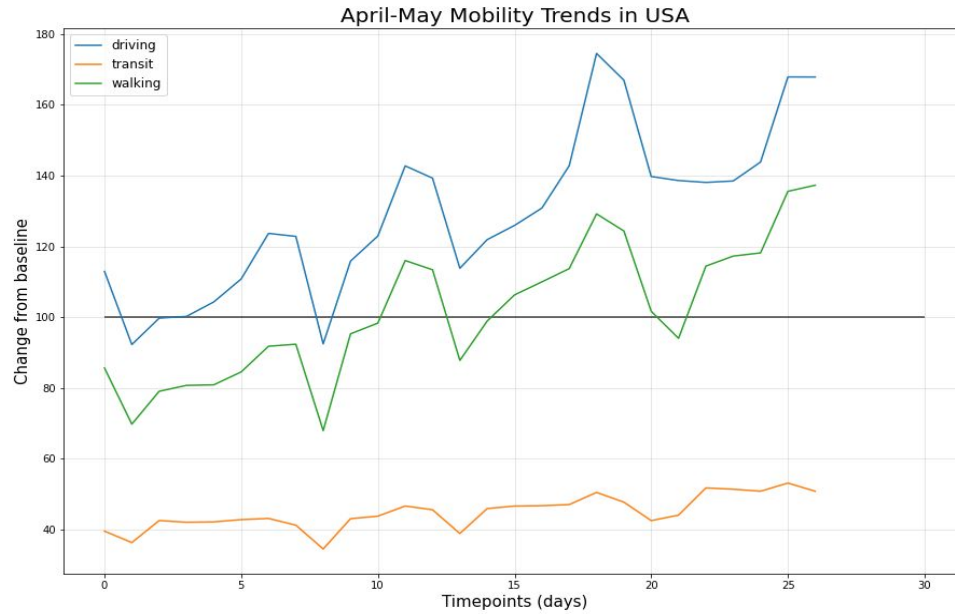


# Behavior

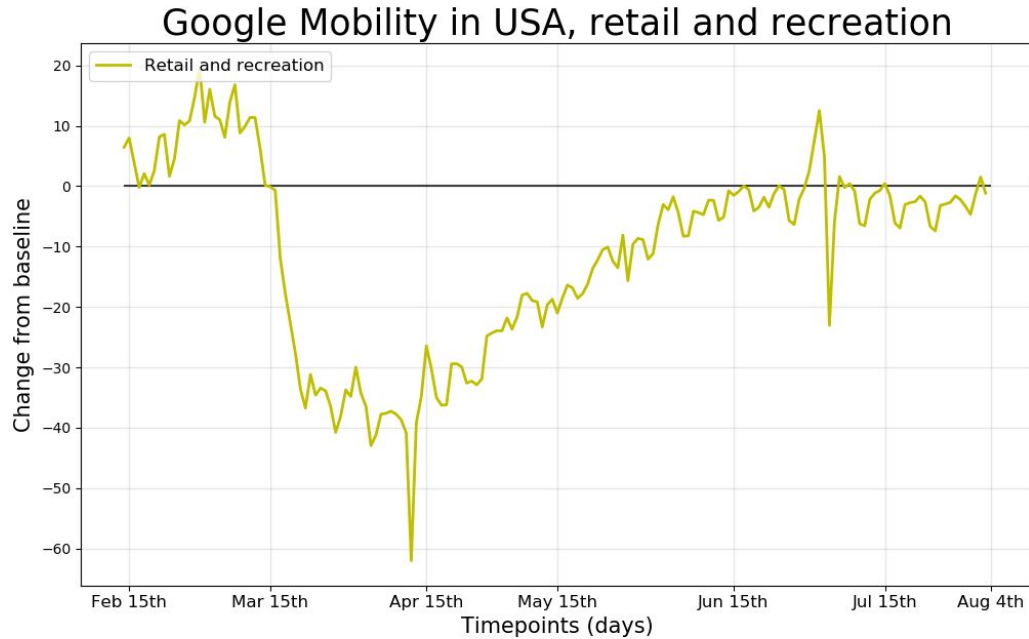
## Mobility for residential, parks and retail



# Transportation



# Retail and Receptions



# Behavior: Workplaces

