Lab 2: Impact of Stay at Home Orders on Individual Mobility

w203: Statistics for Data Science

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1. Introduction

2. Model Building

EDA

We will begin our analysis by first exploring the Google Mobility dataset. While there are many mobility measures within this dataset, we will focus on the change in mobility for retail and recreation. Unlike the other features that focus on grocery or parks, we beleive that retail and recreation captures the type of activity that stay at home policies intended to reduce.
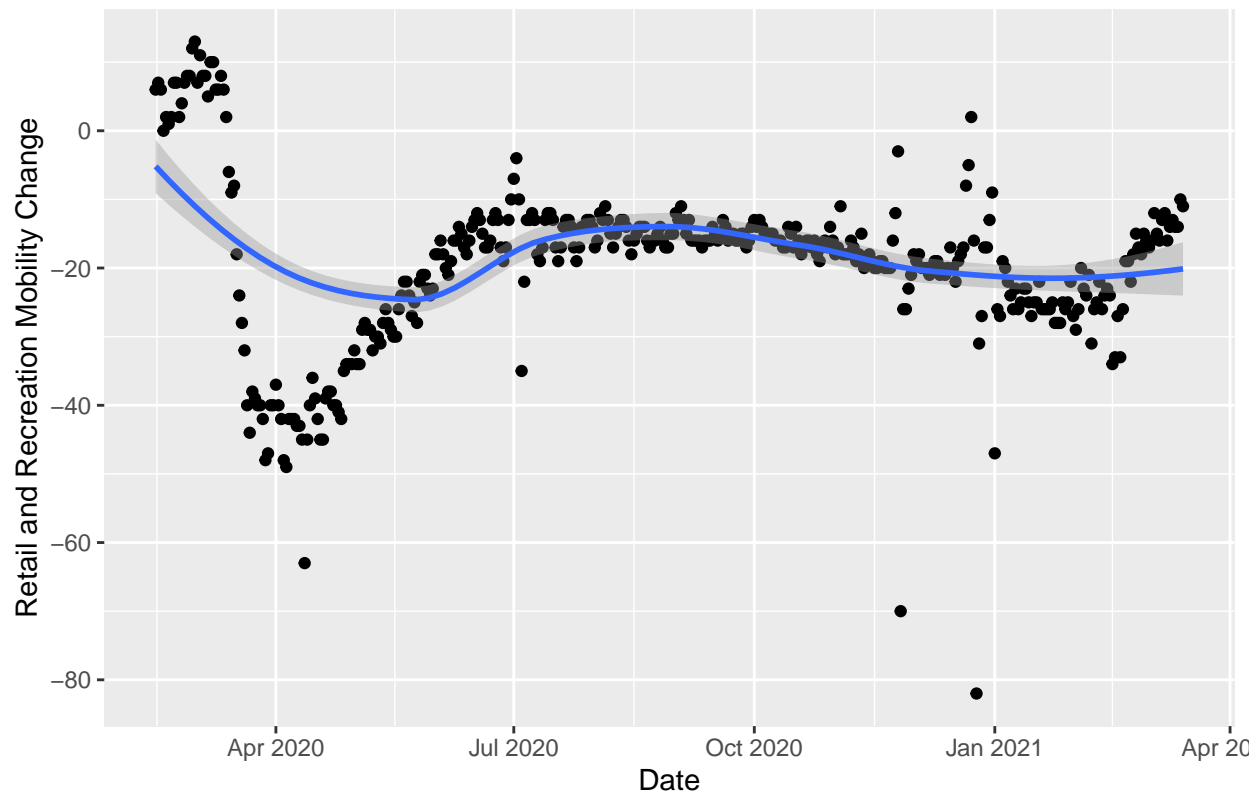
Model 1

```
##
## t test of coefficients:
##
##              Estimate Std. Error t value  Pr(>|t|)
## (Intercept) -13.9106     1.9151 -7.2636 2.593e-09 ***
## stay1        -8.0337     2.5532 -3.1465  0.002809 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Model 2

Model 3

Regression Table and Interpretation

4. Limitations

5. Discussion of Omitted Variables

6. Conclusion