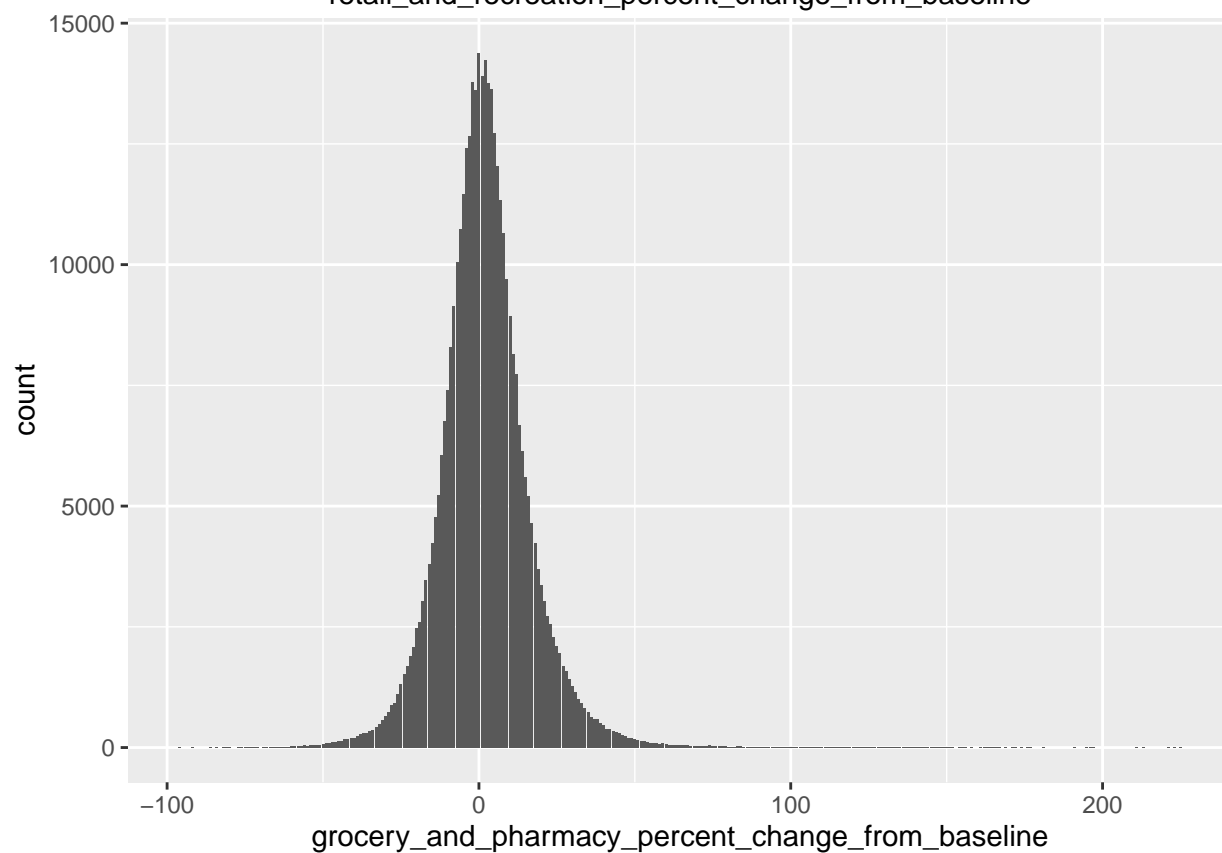
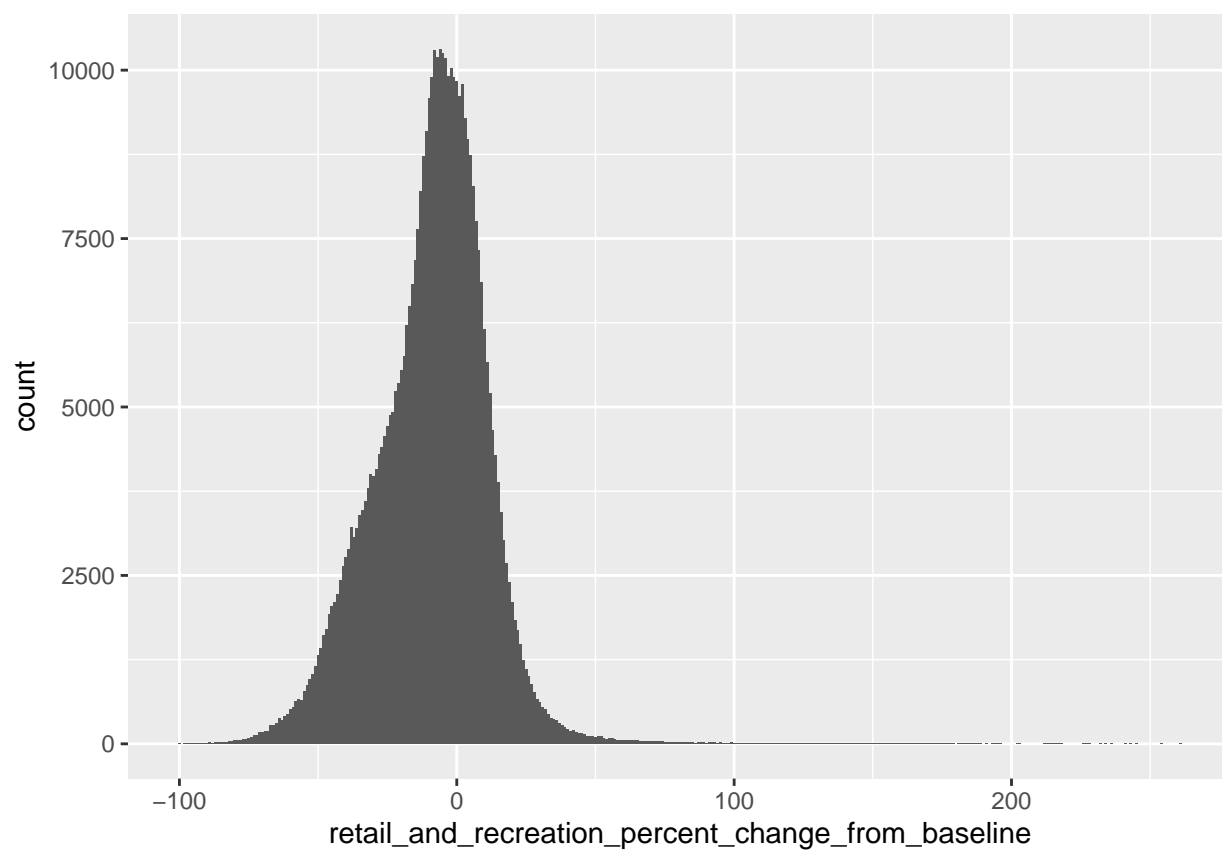
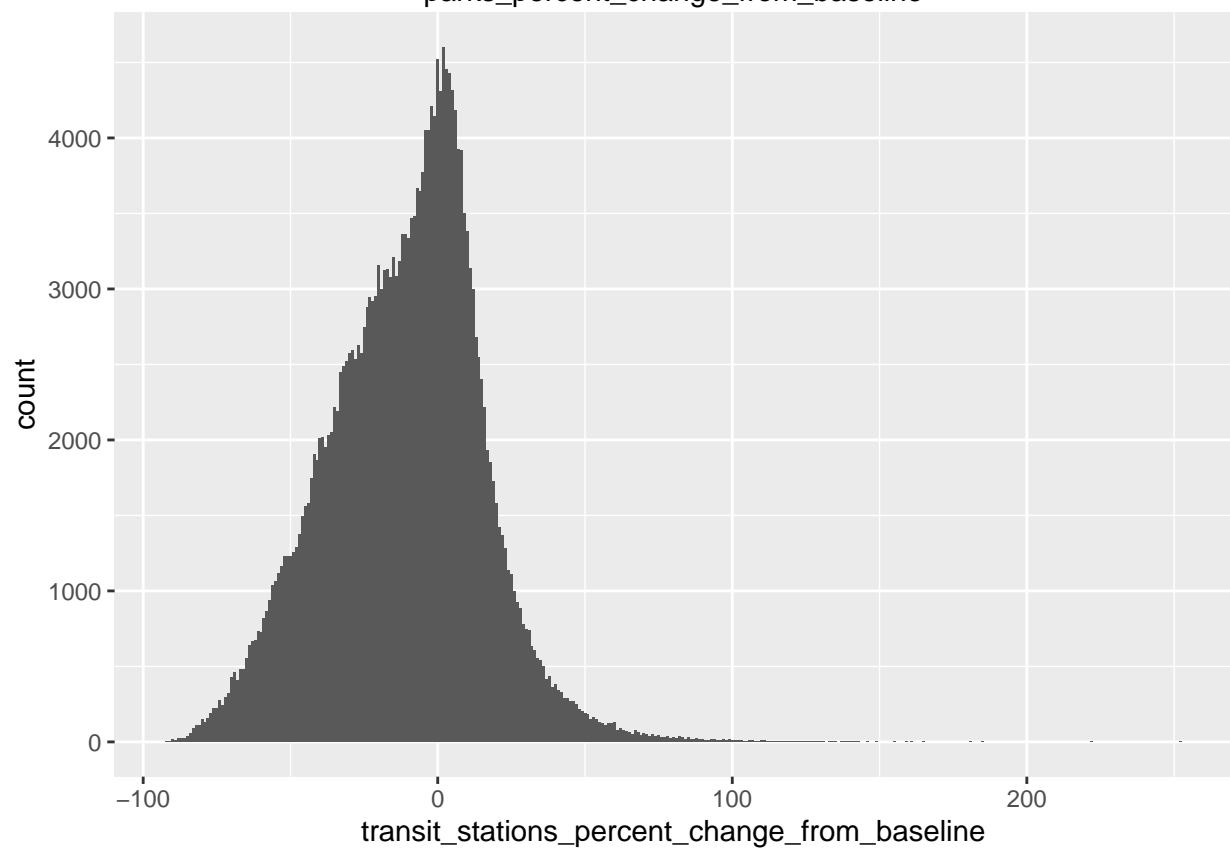
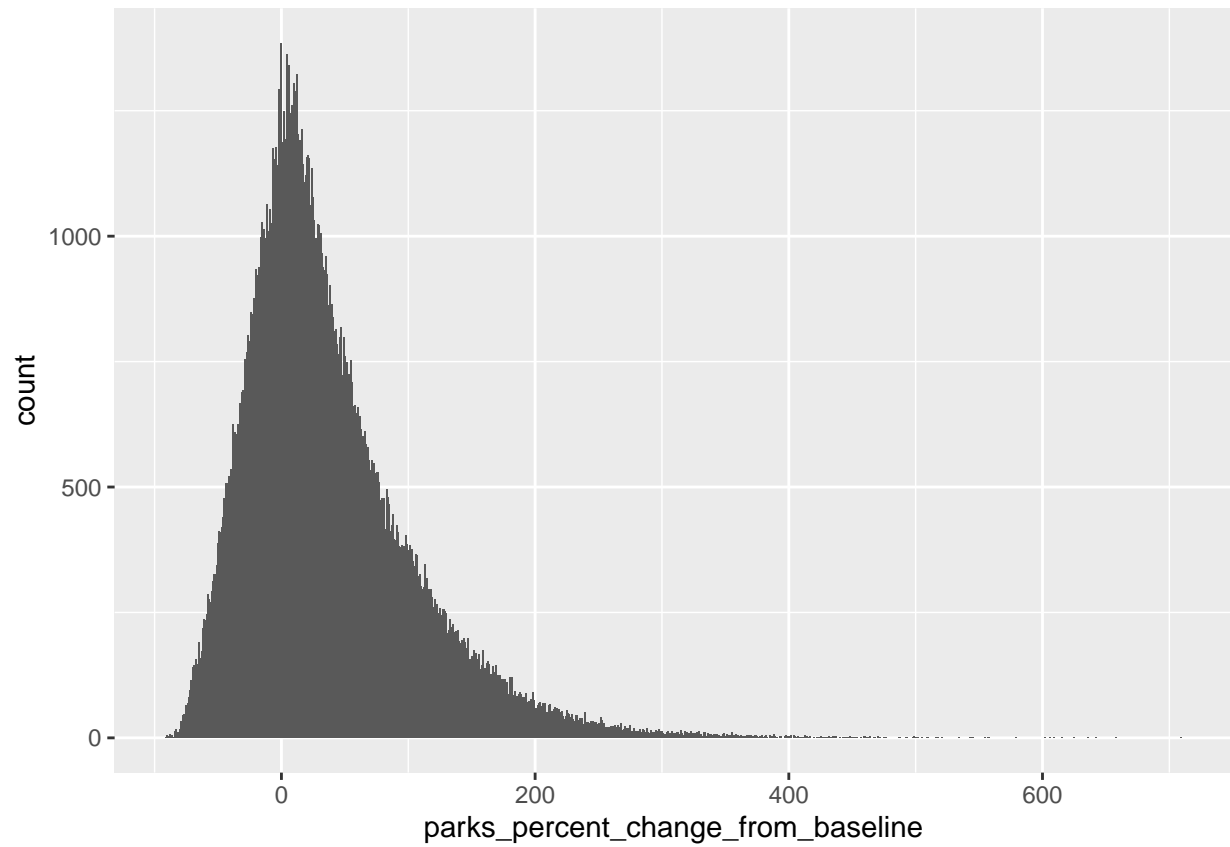


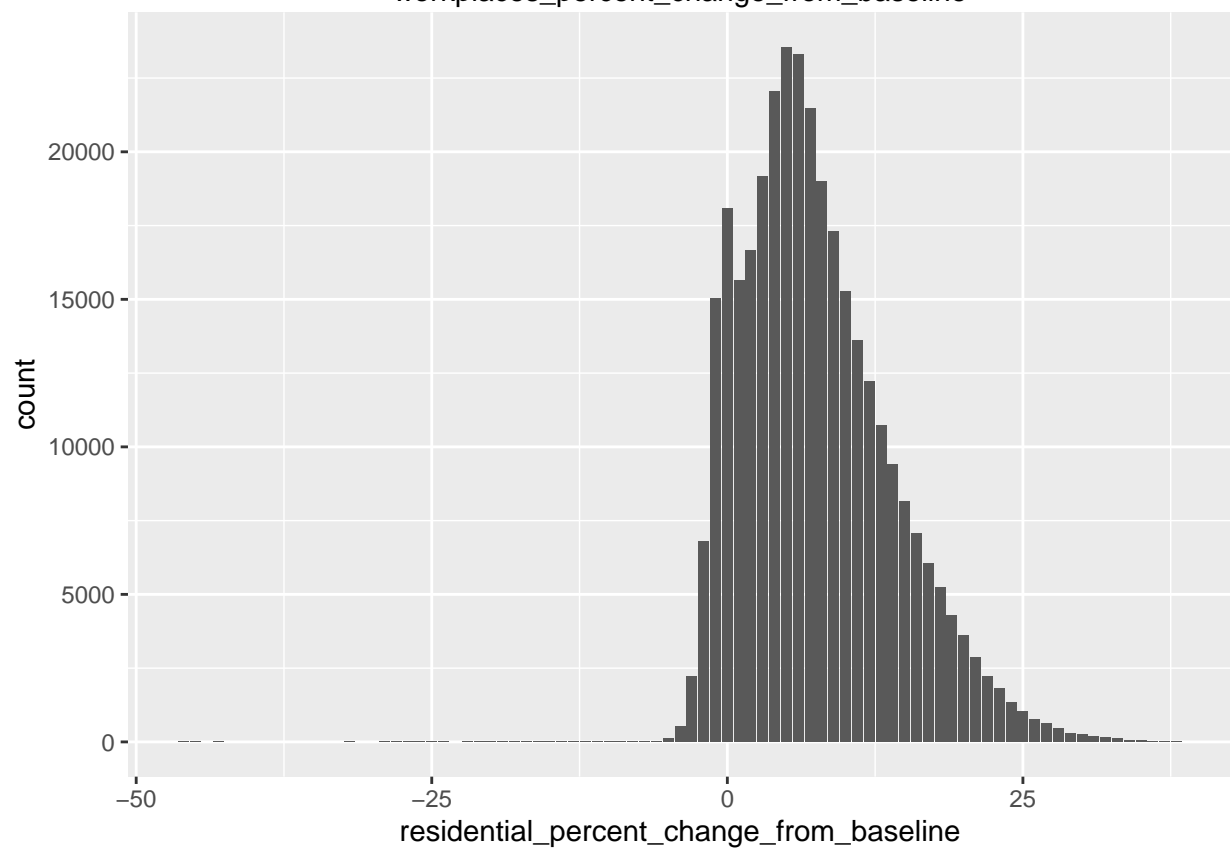
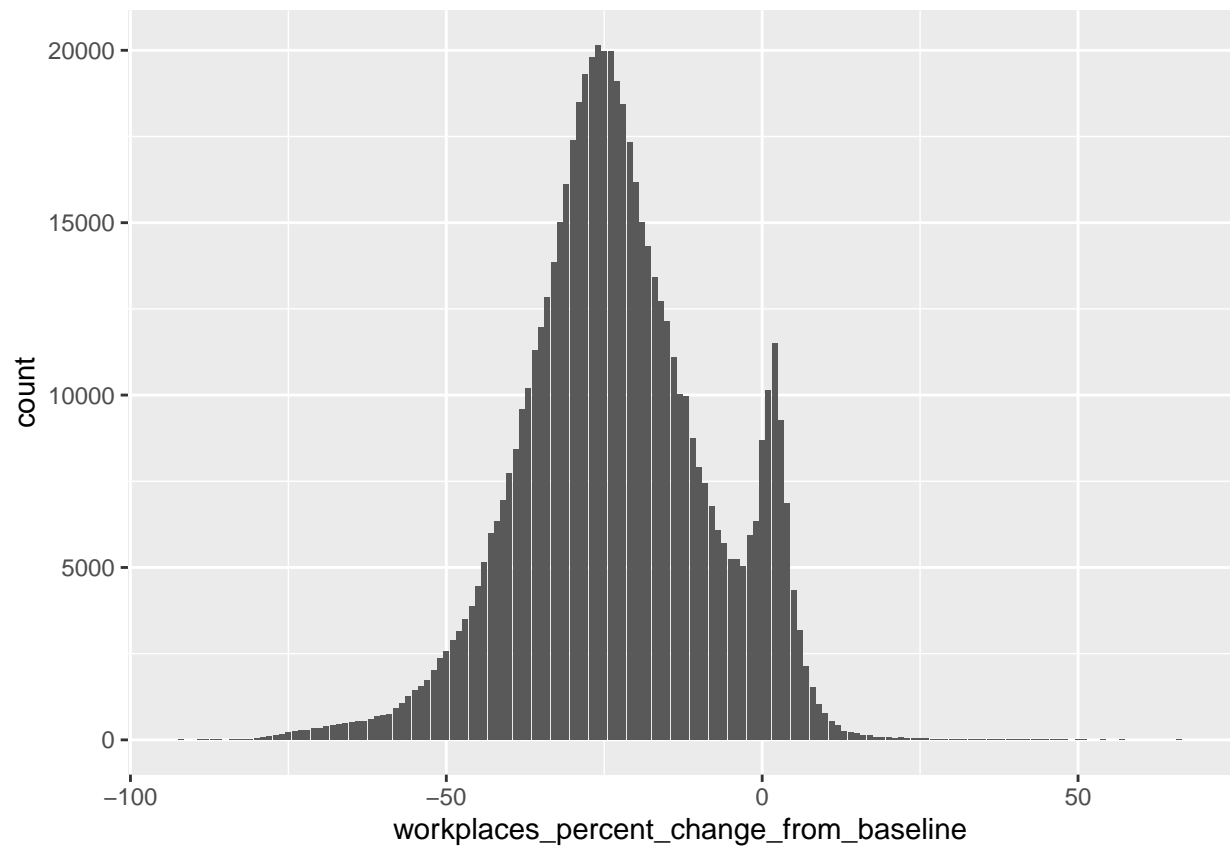
Google Movement Data Analysis

Albert Sun, Lily Zhu

Distribution plots







Summary stats

```
##          mean median          sd iqr min max
## 1 -9.100737      -7 20.51652  25 -100 261

##          mean median          sd iqr min max
## 1  2.047446        1 14.67781  15  -96 225

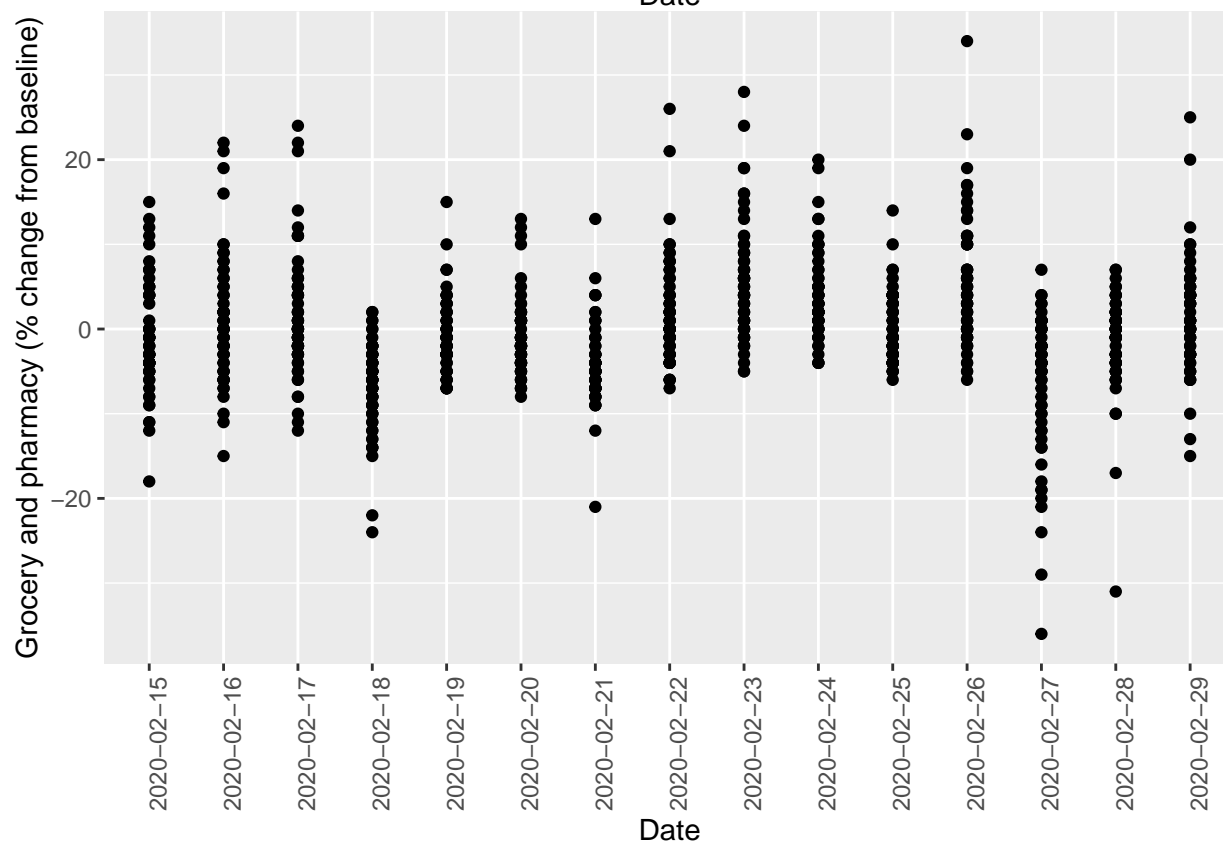
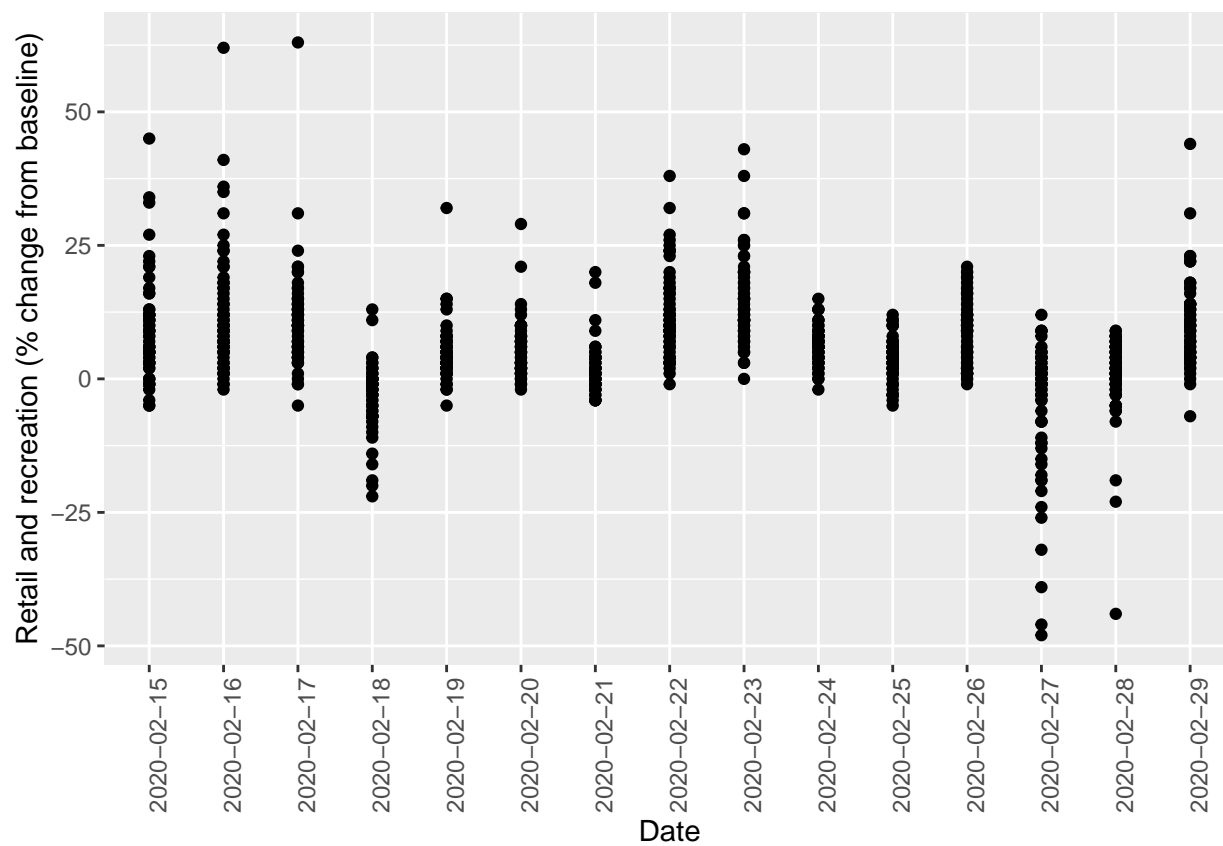
##          mean median          sd iqr min max
## 1 37.33111       23 66.49339  76  -91 709

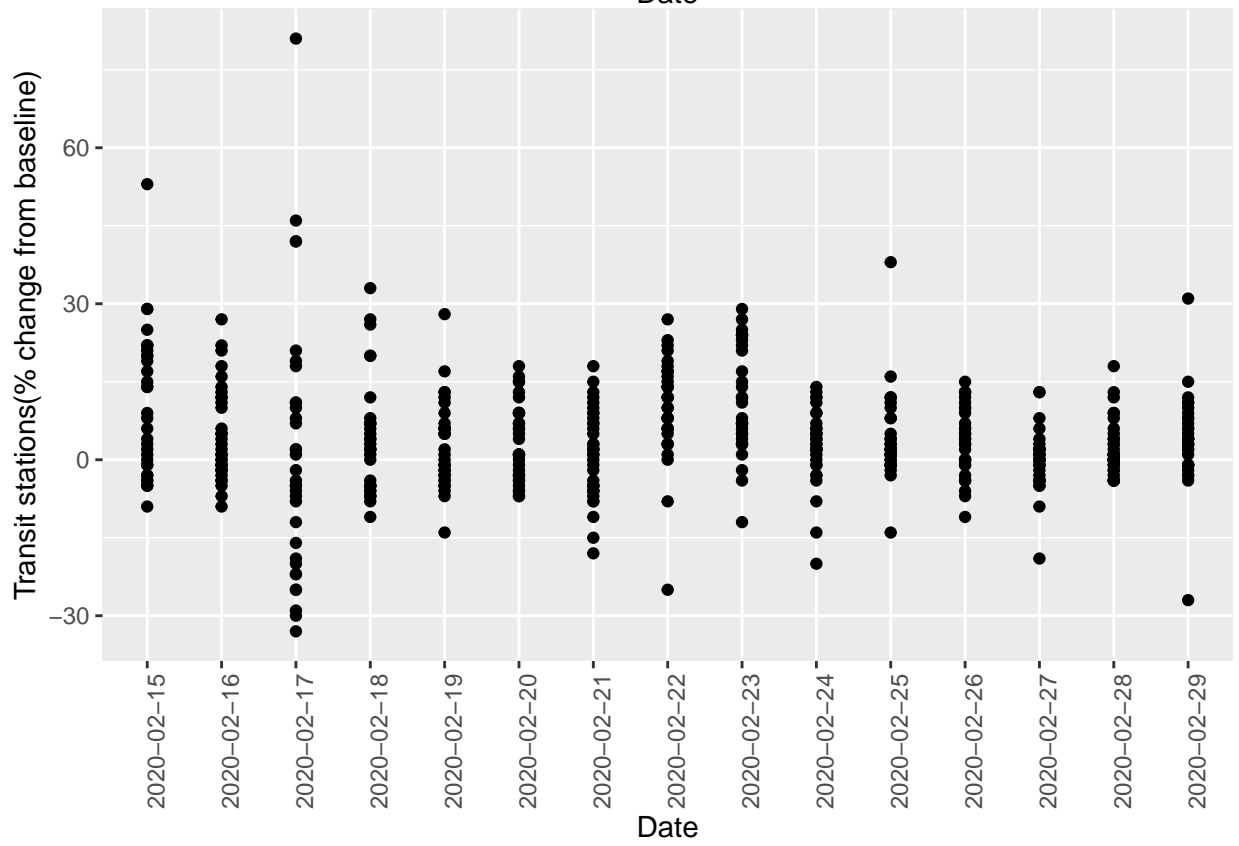
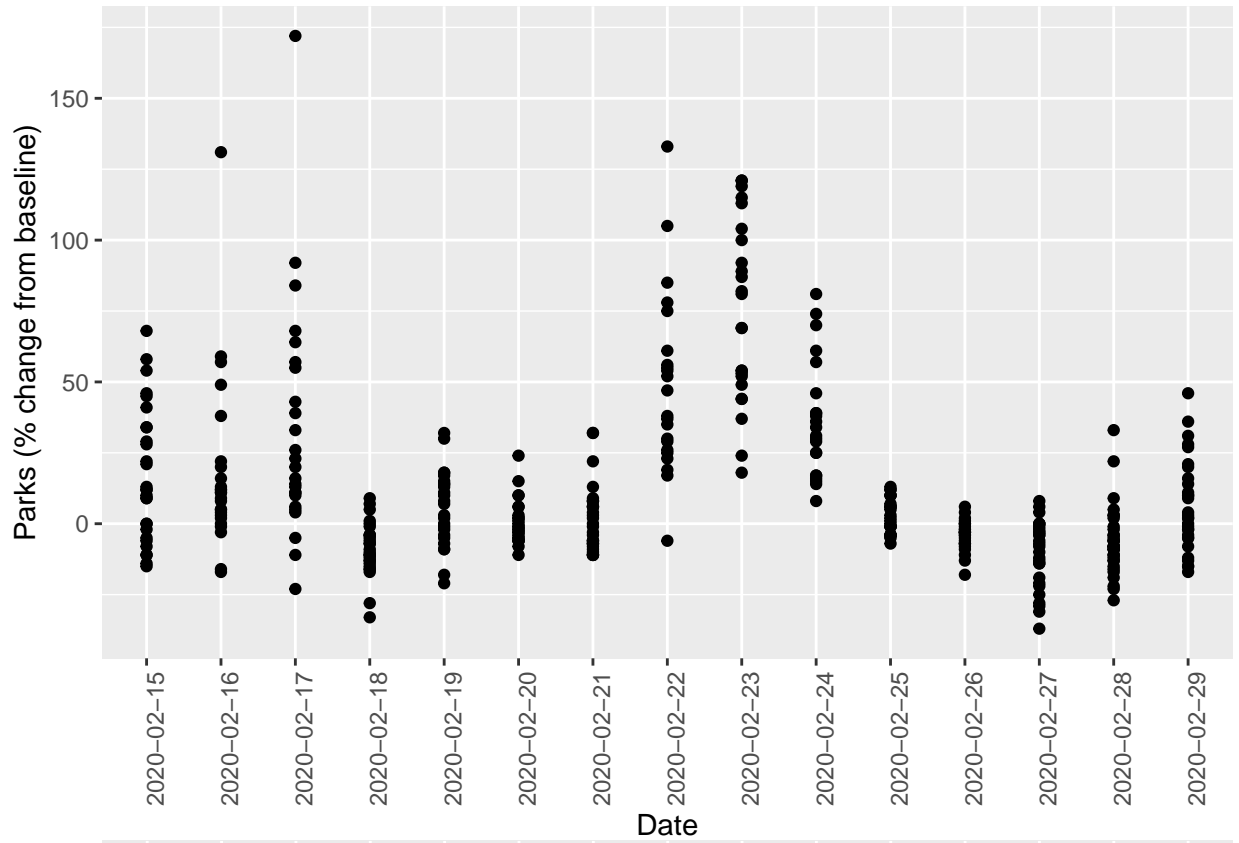
##          mean median          sd iqr min max
## 1 -10.91589      -9 26.18124  35  -92 252

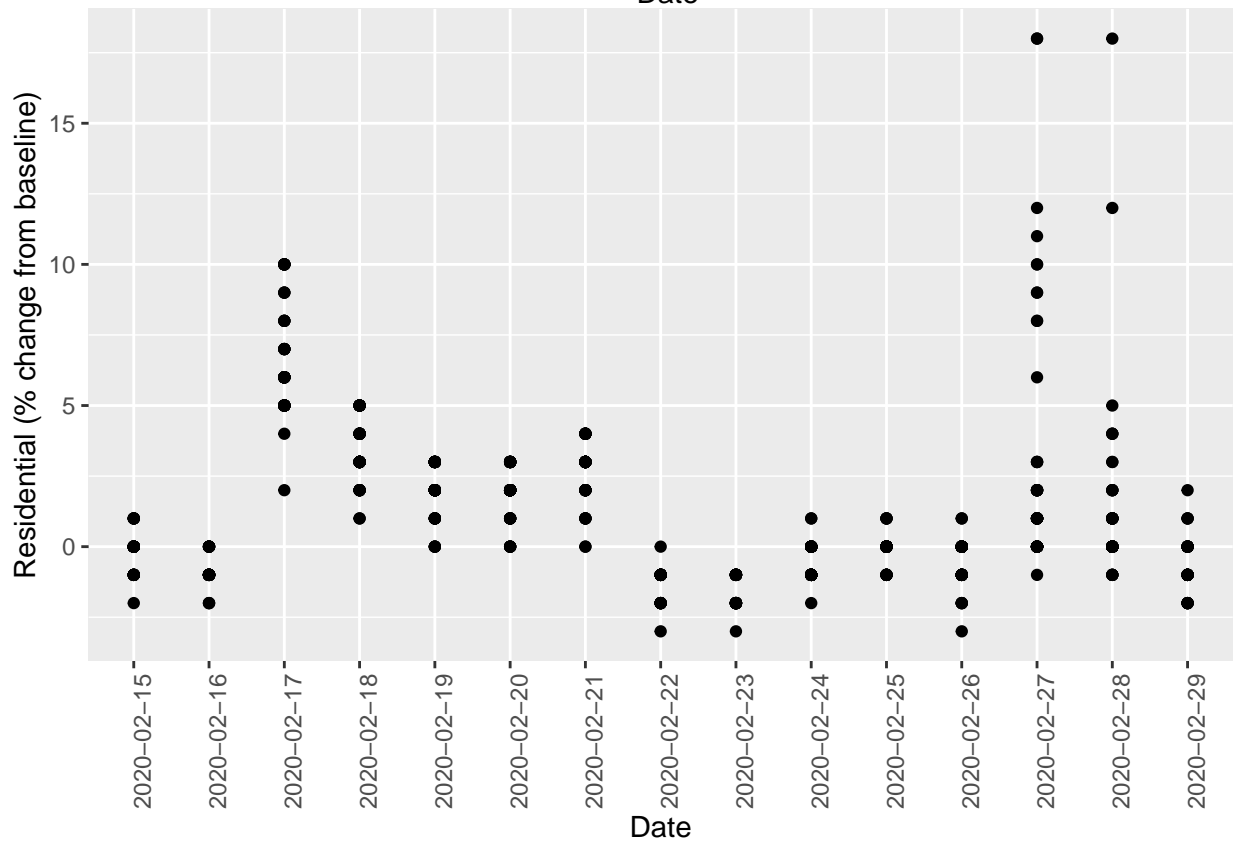
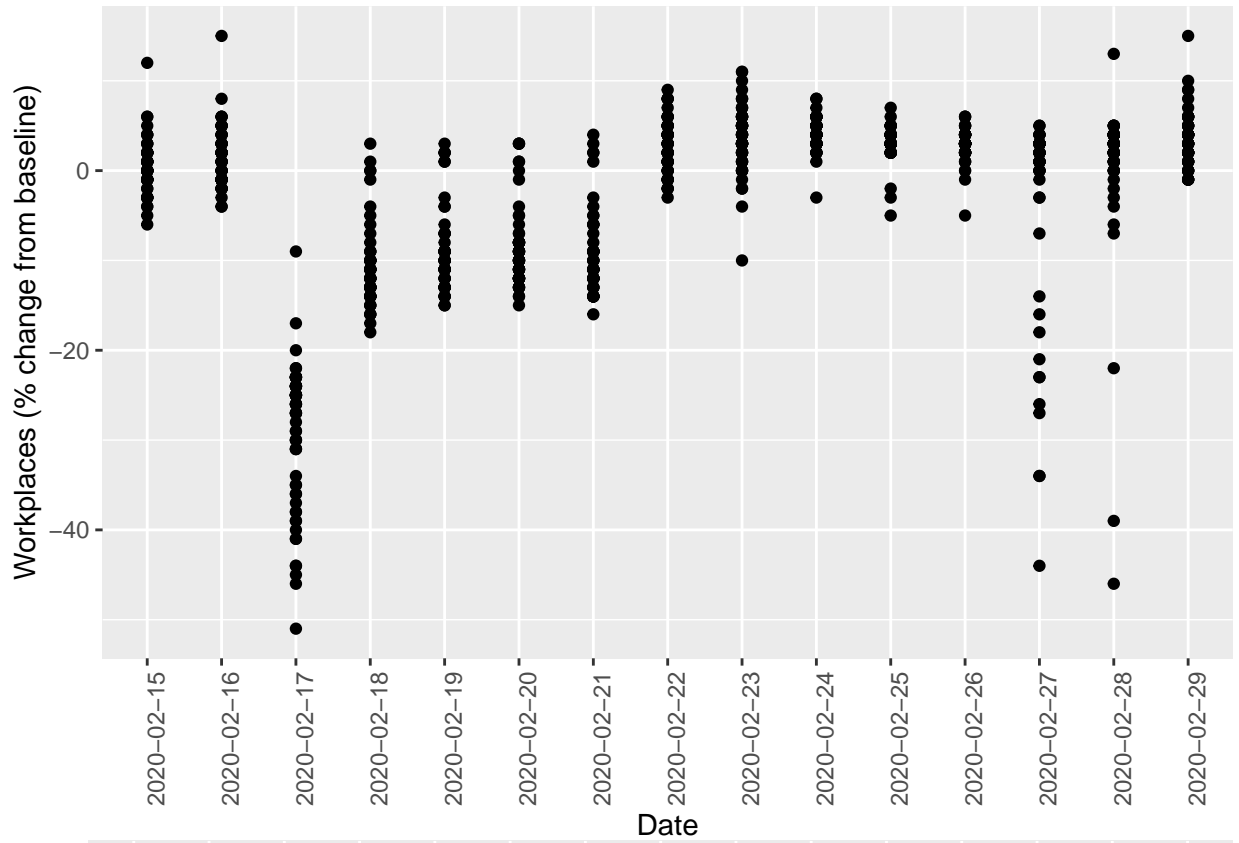
##          mean median          sd iqr min max
## 1 -23.0098      -24 14.96862  18  -92  66

##          mean median          sd iqr min max
## 1  7.505763        7  6.300294   8  -46  38
```

NY







Durham

NC

```
## # A tibble: 99 x 8
## # Groups:   sub_region_2 [99]
##   sub_region_2 na.rm retail_avg grocery_avg parks_avg transit_avg
##   <chr>         <lgl>      <dbl>      <dbl>      <dbl>      <dbl>
## 1 ""           TRUE      -14.9      -1.01      45.4      -24.5
## 2 "Alamance C~ TRUE      -13.0       0.648     32.6      -2.04
## 3 "Alexander ~ TRUE      -7.44      11.7      NaN       NaN
## 4 "Alleghany ~ TRUE     -12.5     -9.75      NaN       NaN
## 5 "Anson Coun~ TRUE      -7.99      10.5      NaN       NaN
## 6 "Ashe Count~ TRUE       4.41       8.2      NaN       NaN
## 7 "Avery Coun~ TRUE     -12.6      13.1      NaN       NaN
## 8 "Beaufort C~ TRUE     -8.22       3.65     17.8      NaN
## 9 "Bertie Cou~ TRUE     18.8       7.02      NaN       NaN
## 10 "Bladen Cou~ TRUE     -3.61       5.86    -24.7      NaN
## # ... with 89 more rows, and 2 more variables: workplaces_avg <dbl>,
## #   residential_avg <dbl>
```

EDA

Linear Regression Code