

Tidyverse and Data Visualization Exercises

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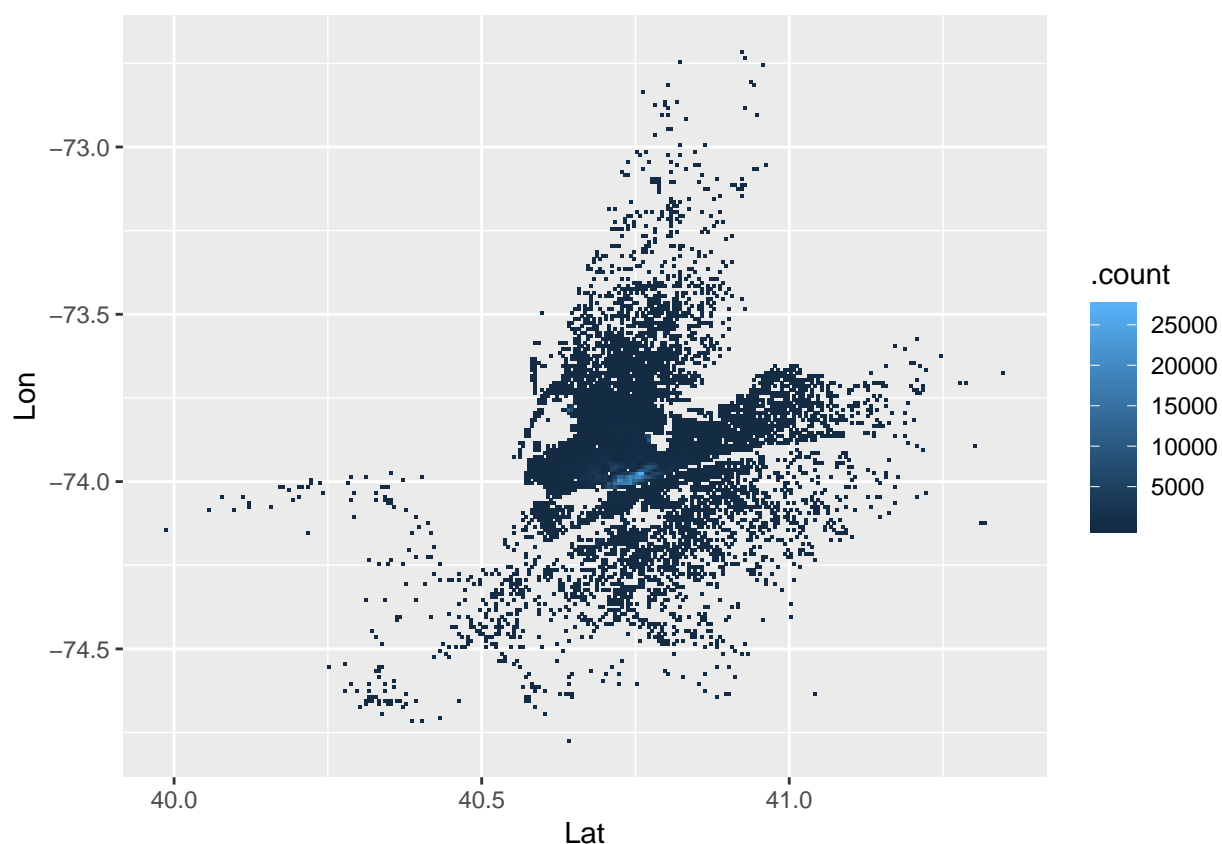
1 March 2019

```
library(bigvis)
library(tidyverse)
```

2014 UBER Trips

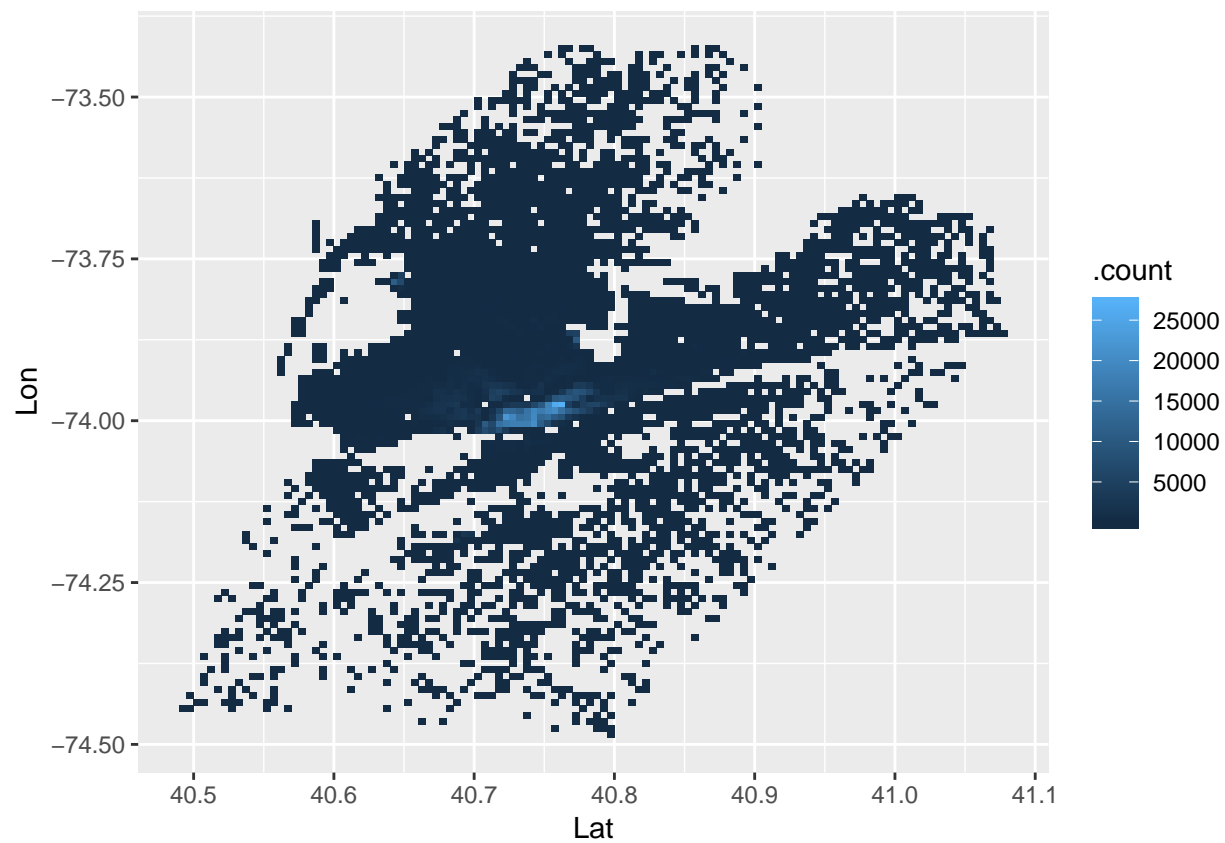
```
ff <- "https://raw.githubusercontent.com/fivethirtyeight/uber-tlc-foil-response/master"
trip.data <- read_csv(file.path(ff, "uber-trip-data/uber-raw-data-sep14.csv"))

NBin <- 300
con.trip.data <- with(trip.data, condense(bin(Lat, find_width(Lat, NBin)),
                                          bin(Lon, find_width(Lon, NBin))))
ggplot(con.trip.data, aes(Lat, Lon, fill = .count)) + geom_tile()
```



Applying the **peel** function to the data we can see that it strips away outliers making the higher density regions which we are interested in for this problem, more prominent.

```
last_plot() %>% peel(con.trip.data)
```



```
smoothed_data <- smooth(con.trip.data, h=c(0.115, 0.15))  
autoplot(smoothed_data) + theme_dark()
```

