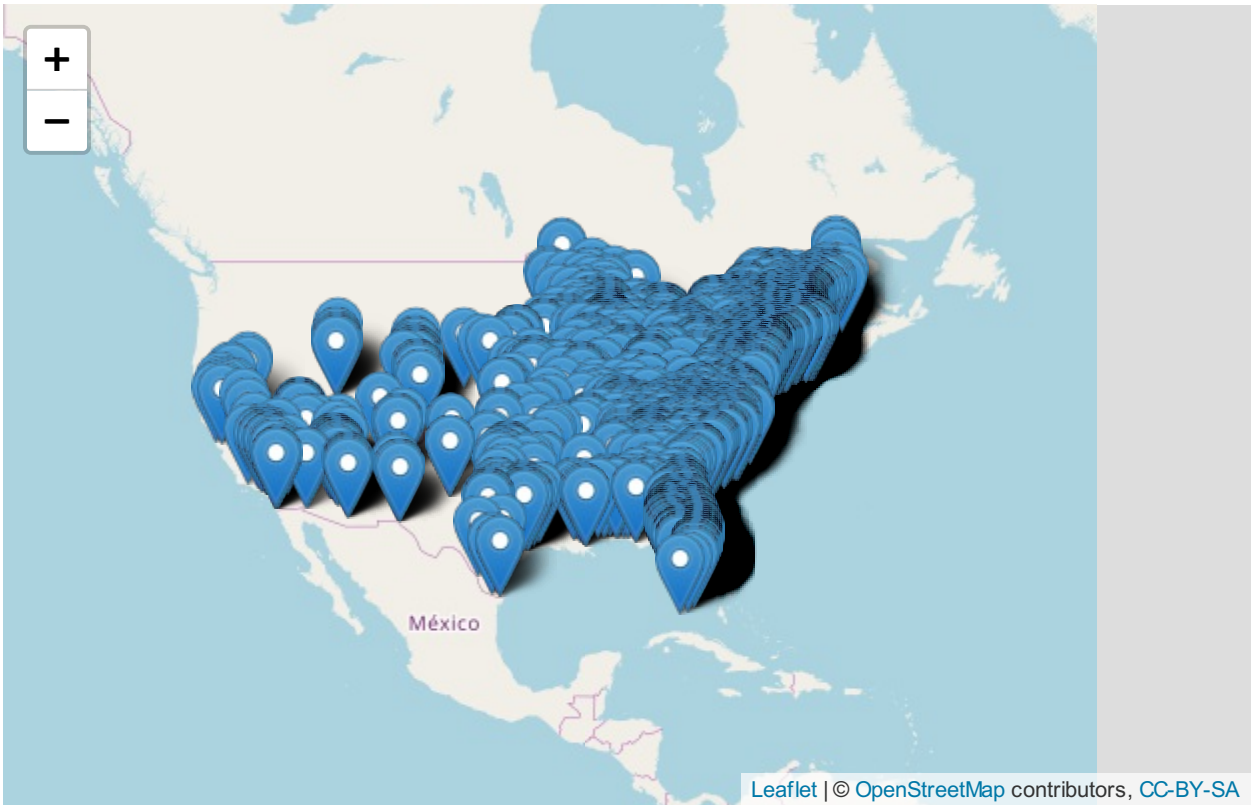
partial_pdf

me

11/30/2019

Dunkin' Leaflet

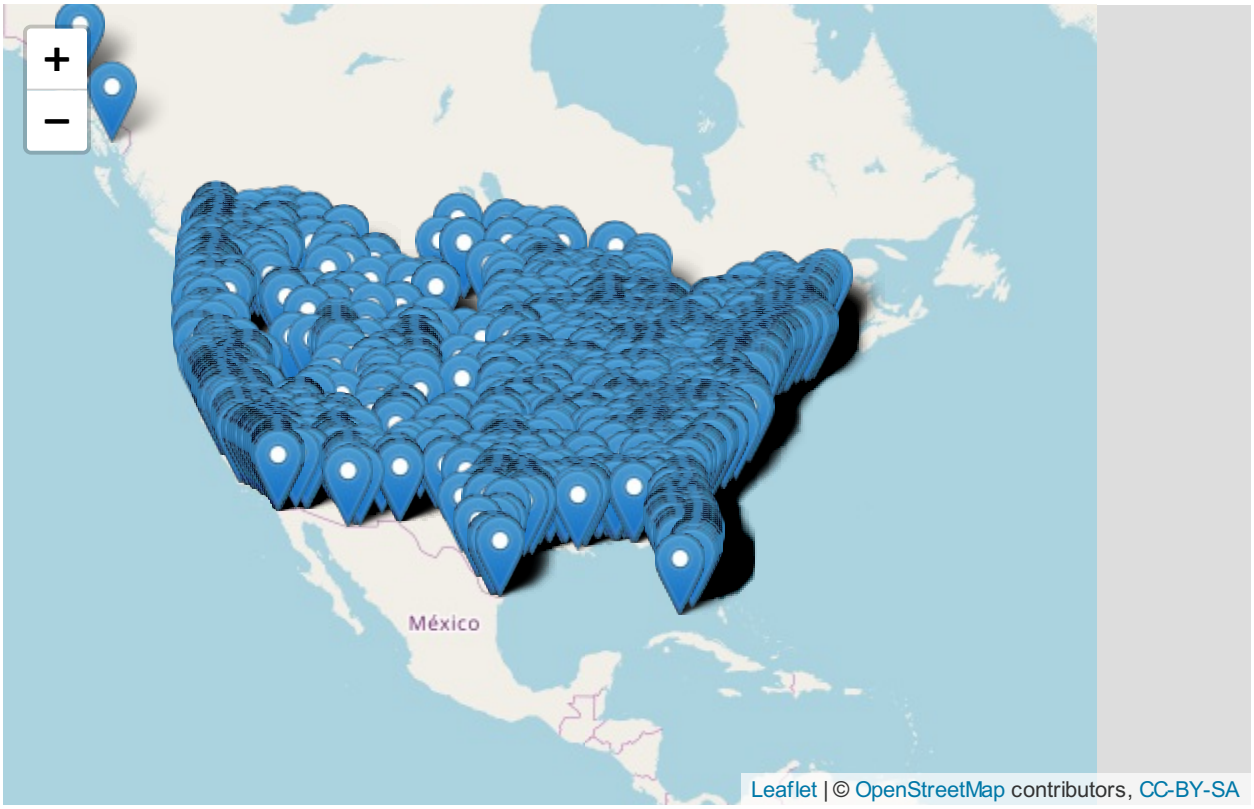
```
dnknloc %>%
  leaflet(width = "100%", options = leafletOptions(zoomSnap = 0.1)) %>%
  setView(lng = -100, lat = 40, zoom = 3) %>%
  addTiles() %>%
  addMarkers(~Longitude, ~Latitude, popup = dnknLabel, label = dnknLabel)
```



Starbucks Leaflet

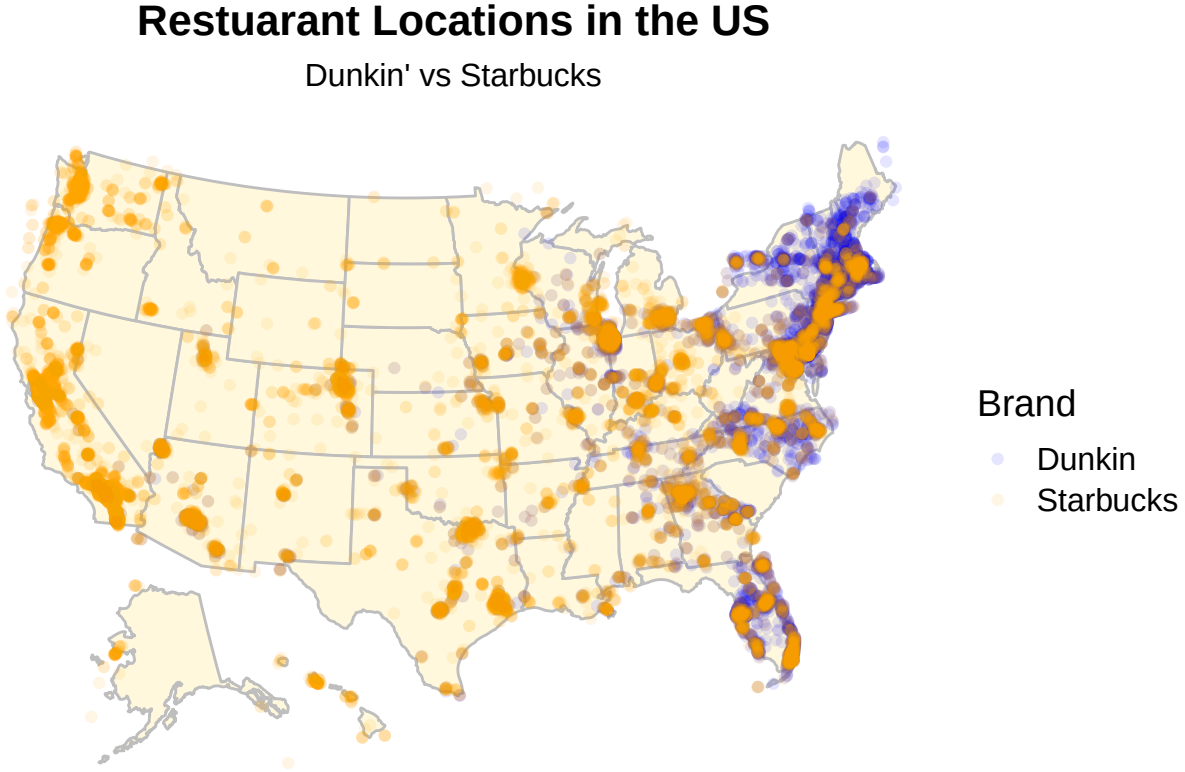
```
sbuxloc %>%
  leaflet(width = "100%", options = leafletOptions(zoomSnap = 0.1)) %>%
  setView(lng = -100, lat = 40, zoom = 3) %>%
```

```
  addTiles() %>%
  addMarkers(~Longitude, ~Latitude, popup = sbuxLabel, label = sbuxLabel)
```



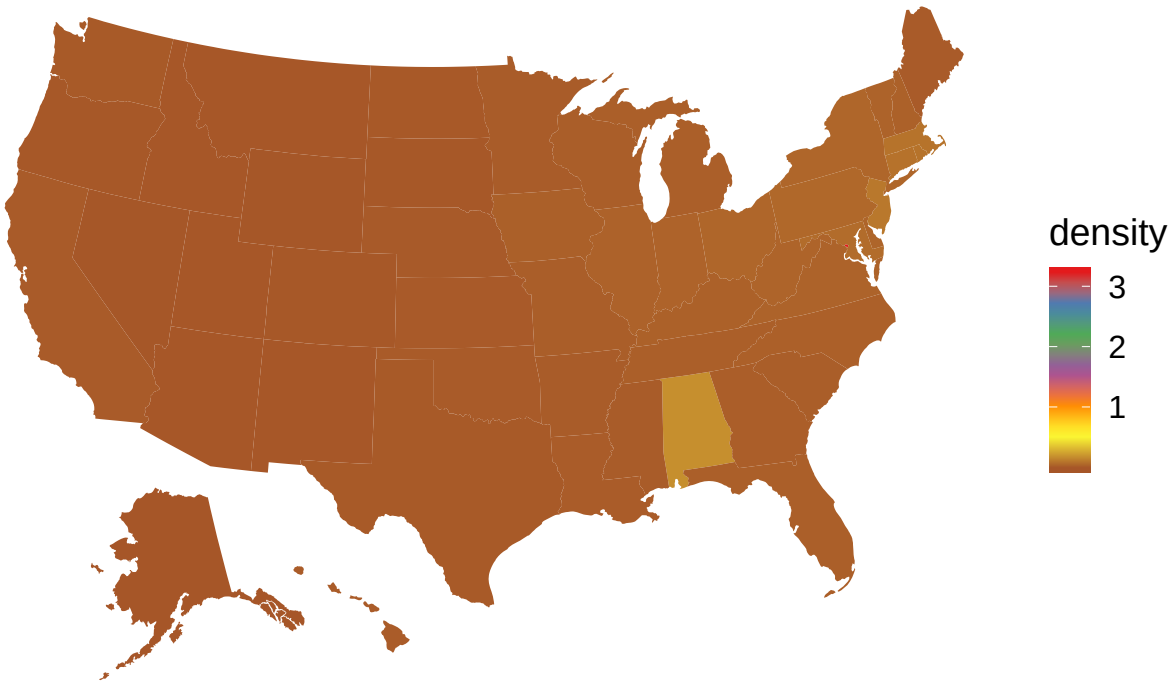
Locations Graphs

```
ggplot() +
  geom_polygon(data = us_map(regions = "states"), mapping = aes(x = x, y = y, group = group), color = "
  geom_point(data = modified_values, mapping = aes(x = long, y = lat, color = Store), alpha = 0.1) +
  coord_equal() +
  theme_map() +
  scale_color_manual(values = c("blue", "orange")) +
  labs(title = "Restuarant Locations in the US",
       subtitle = "Dunkin' vs Starbucks") +
  guides(color = guide_legend(title = "Brand")) +
  theme(plot.title = element_text(hjust = 0.5),
        plot.subtitle = element_text(hjust = 0.5))
```

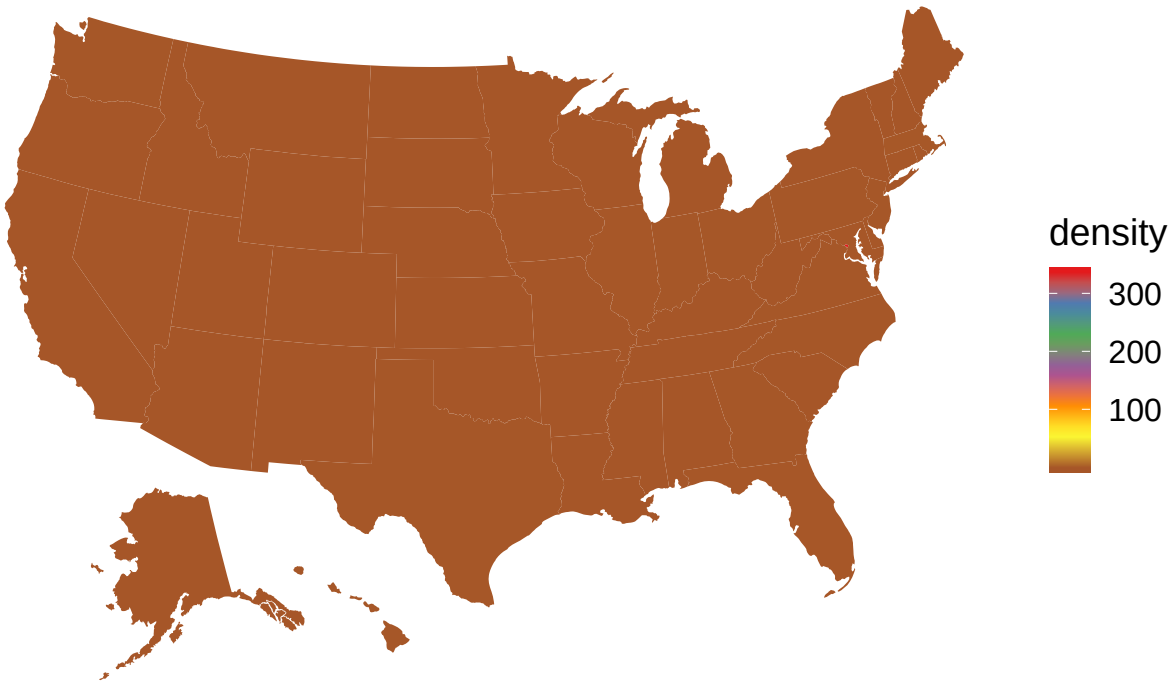


Density with DC

```
DNKN_loc %>%
  ggplot(mapping = aes(x = x, y = y, group = group, fill = density)) +
  geom_polygon() +
  coord_equal() +
  theme_map() +
  scale_fill_distiller(palette = "Set1") +
  labs(title = "Dunkin' Locations") +
  theme(plot.title = element_text(hjust = 0.5))
```

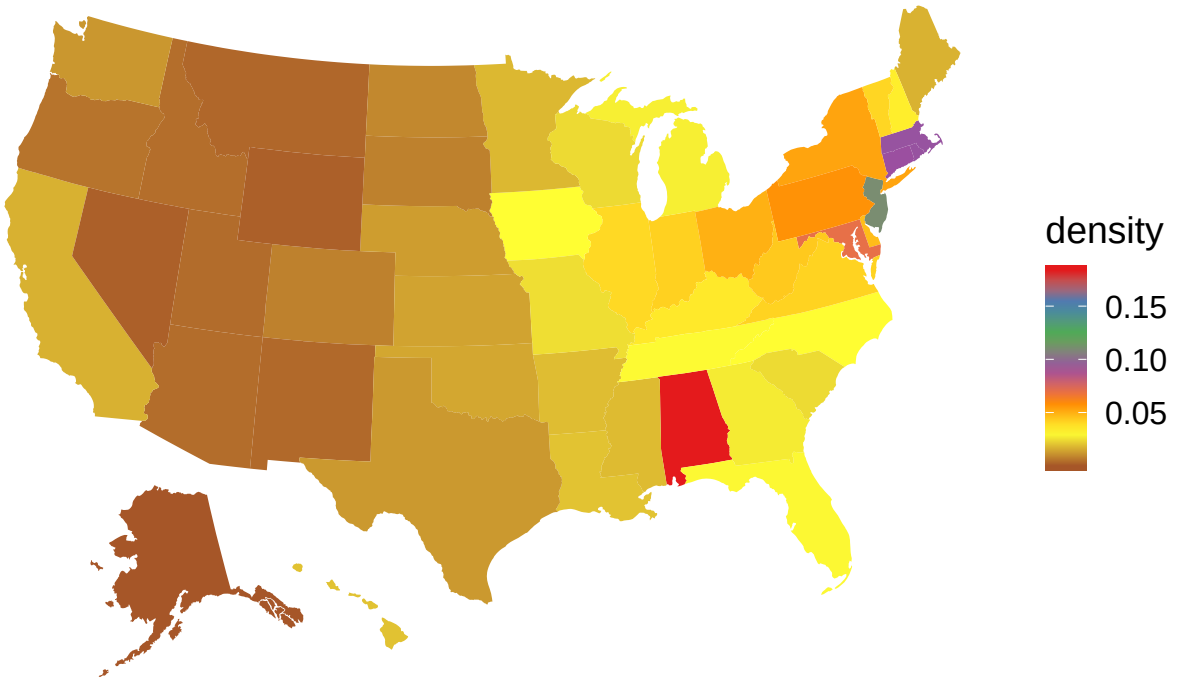



```
SBUX_loc %>%
  ggplot(mapping = aes(x = x, y = y, group = group, fill = density)) +
  geom_polygon() +
  coord_equal() +
  theme_map() +
  scale_fill_distiller(palette = "Set1") +
  labs(title = "Starbucks Locations") +
  theme(plot.title = element_text(hjust = 0.5))
```

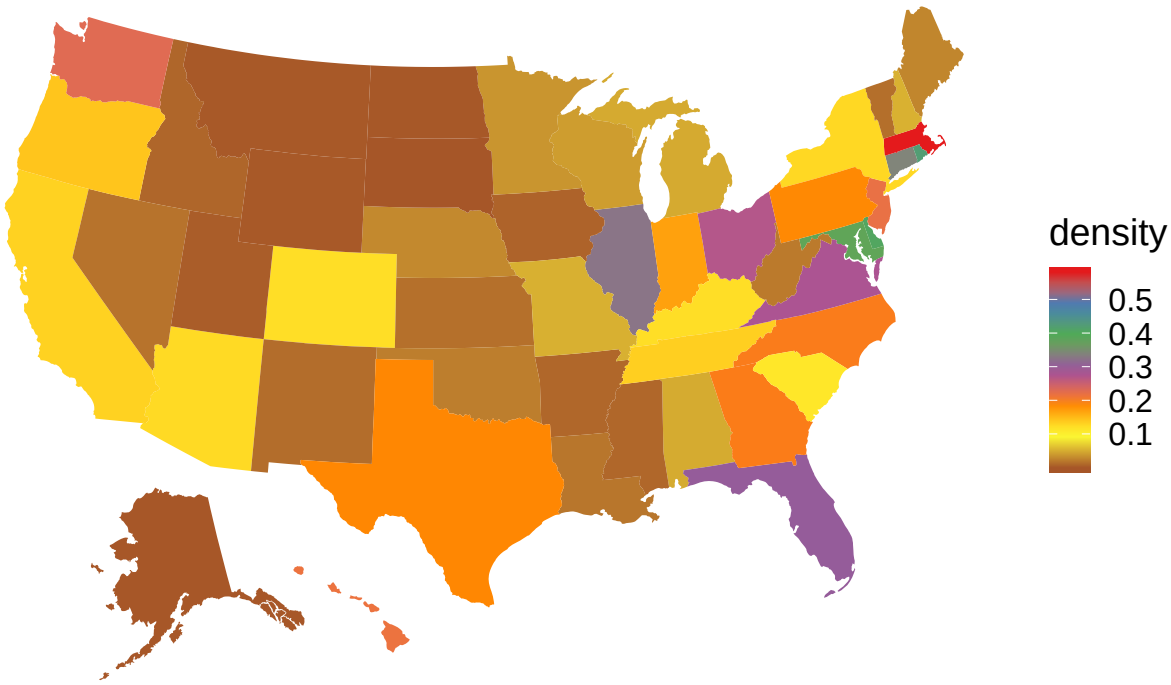


Density without DC

```
DNKN_loc %>%
  ggplot(mapping = aes(x = x, y = y, group = group, fill = density)) +
  geom_polygon() +
  coord_equal() +
  theme_map() +
  scale_fill_distiller(palette = "Set1") +
  labs(title = "Dunkin' Locations") +
  theme(plot.title = element_text(hjust = 0.5))
```

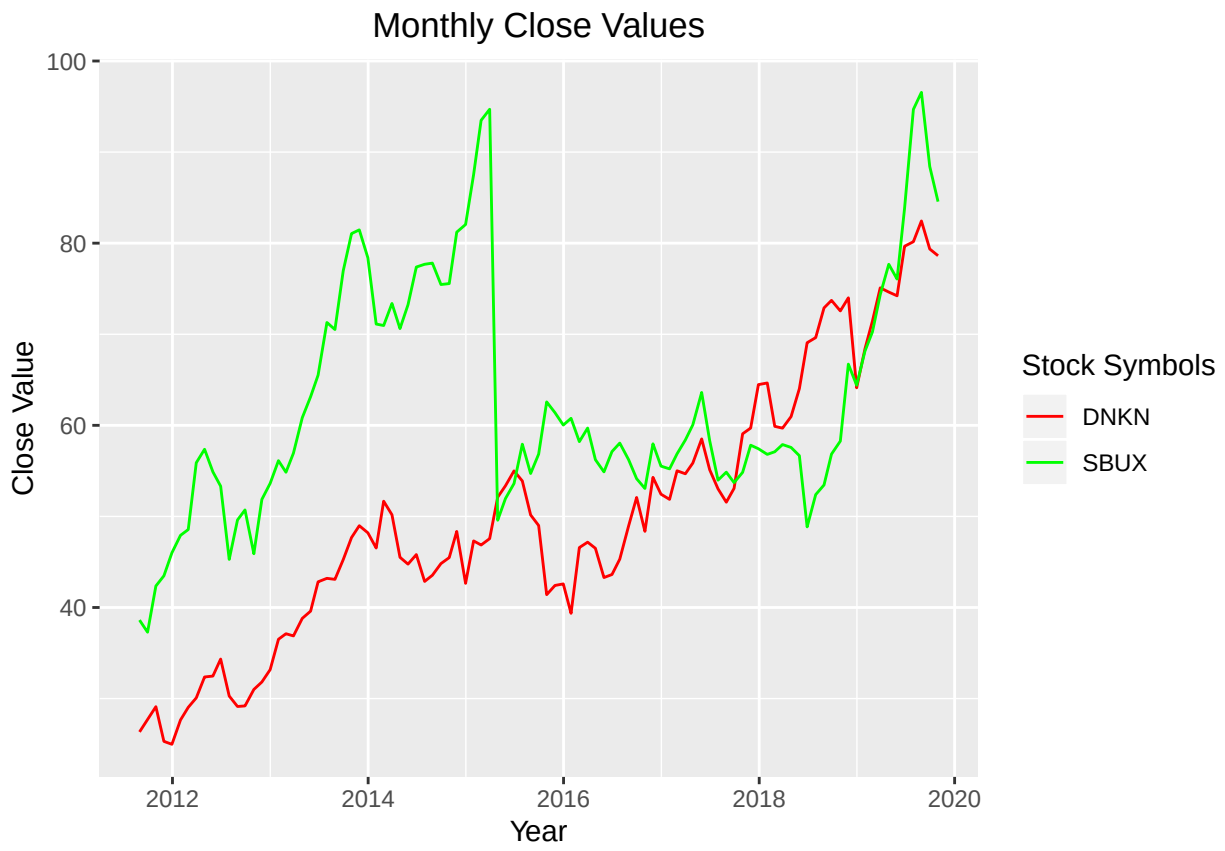



```
SBUX_loc %>%
  ggplot(mapping = aes(x = x, y = y, group = group, fill = density)) +
  geom_polygon() +
  coord_equal() +
  theme_map() +
  scale_fill_distiller(palette = "Set1") +
  labs(title = "Starbucks Locations") +
  theme(plot.title = element_text(hjust = 0.5))
```



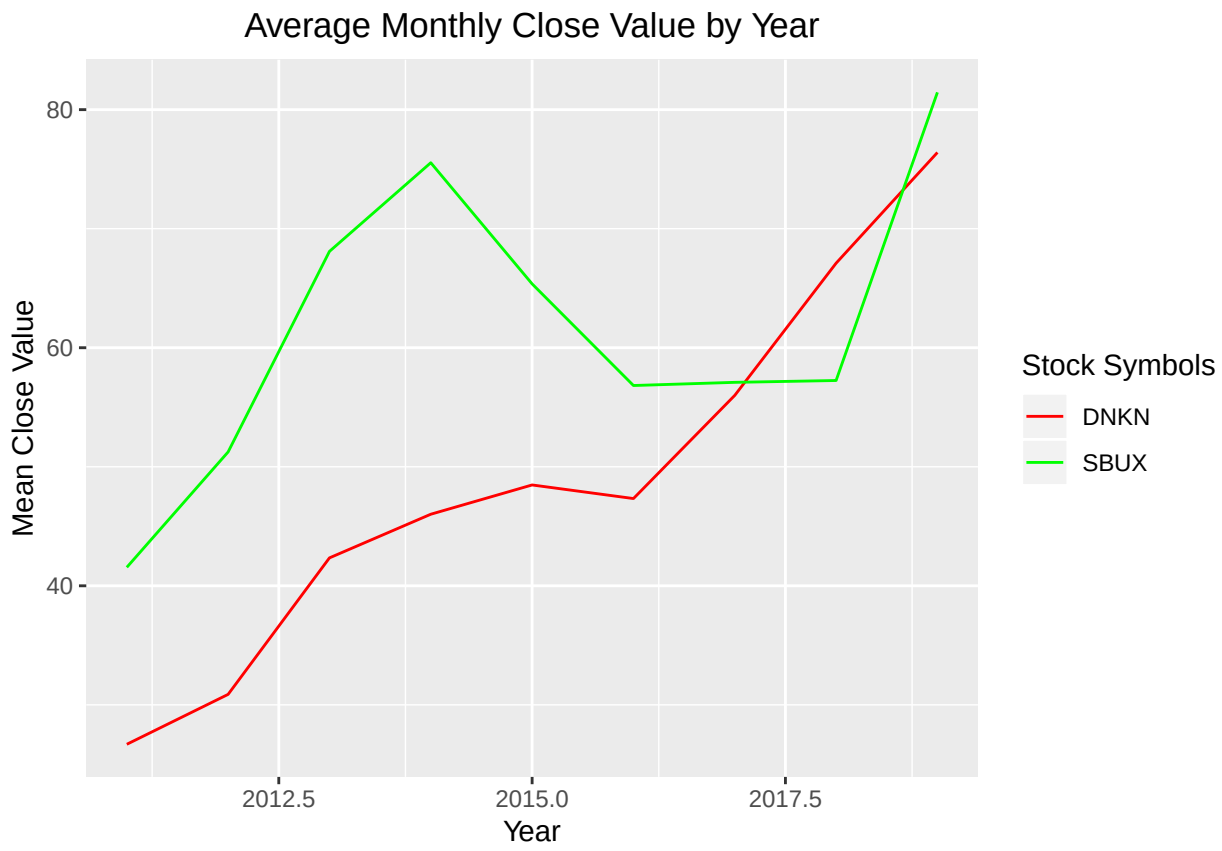
Monthly Stock Close

```
D_S %>%
  group_by(stock) %>%
  ggplot() +
  geom_line(mapping = aes(x = timestamp, y = close, color = stock)) +
  scale_color_manual(values = c("red", "green")) +
  labs(title = "Monthly Close Values",
       x = "Year",
       y = "Close Value") +
  guides(color = guide_legend(title = "Stock Symbols")) +
  theme(plot.title = element_text(hjust = 0.5))
```



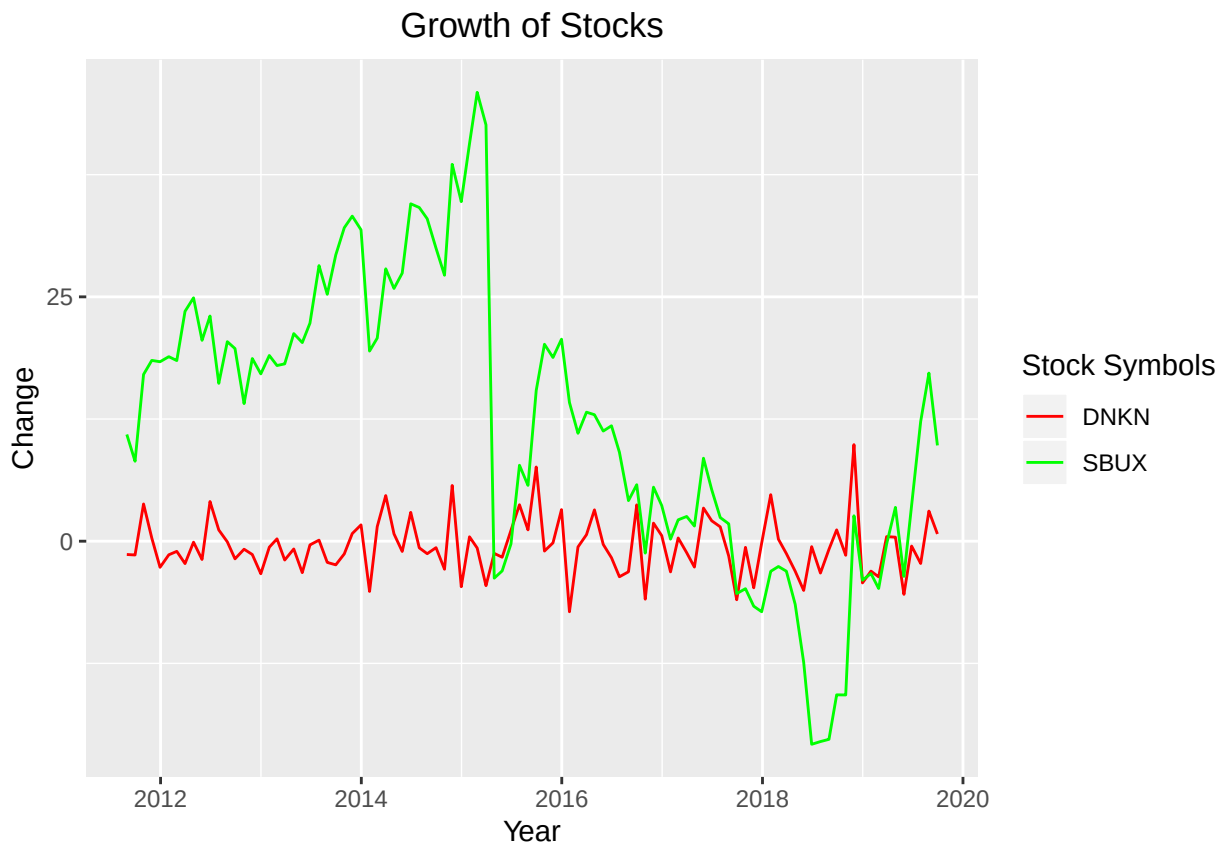
Yearly Mean Stock Close

```
yrly %>%
  group_by(stock) %>%
  ggplot() +
  geom_line(mapping = aes(x = year, y = mean_close, color = stock)) +
  scale_color_manual(values = c("red", "green")) +
  labs(title = "Average Monthly Close Value by Year",
       x = "Year",
       y = "Mean Close Value") +
  guides(color = guide_legend(title = "Stock Symbols")) +
  theme(plot.title = element_text(hjust = 0.5))
```



Growth Plots

```
growth %>%
  group_by(stock) %>%
  ggplot() +
  geom_line(mapping = aes(x = timestamp, y = change, color = stock)) +
  scale_color_manual(values = c("red", "green")) +
  labs(title = "Growth of Stocks",
       x = "Year",
       y = "Change") +
  guides(color = guide_legend(title = "Stock Symbols")) +
  theme(plot.title = element_text(hjust = 0.5))
```


Growth of Stocks
Change
25
0
2012
2014
2016
2018
2020
Year
Stock Symbols
DNKN
SBUX