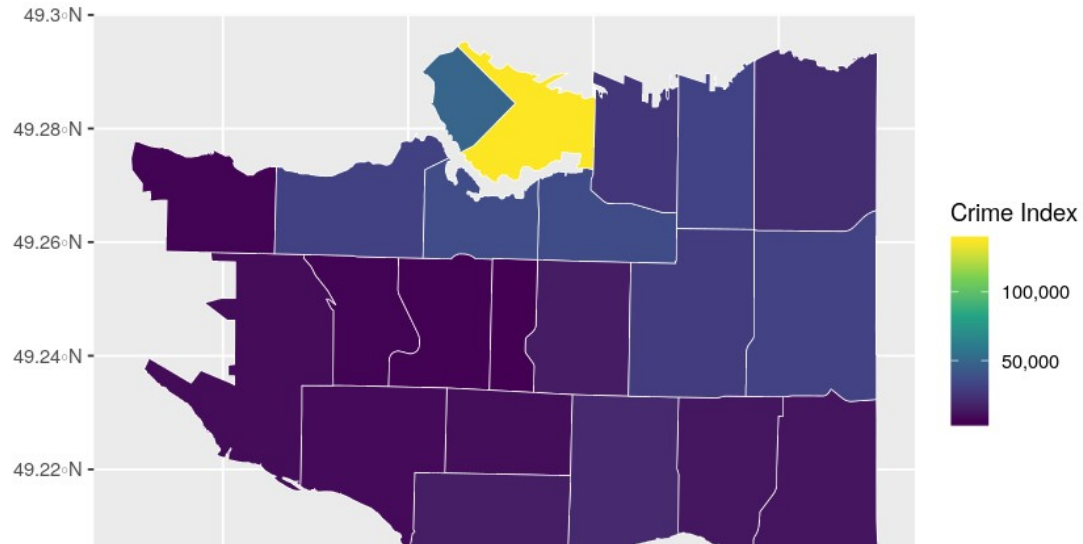


Choropleth for showing geographical information

```
1 full_dt %>%  
2   ggplot(mapping = aes(fill = .data[['total_crime']])) +  
3   geom_sf(color = 'white', size = 0.2) +  
4   scale_fill_viridis_c(option = 'viridis',  
5                         name = "Crime Index",  
6                         labels = comma) +  
7   ggsave('../img/choropleth_total_crime.png')
```

Saving 6.67 x 6.67 in image



Line chart for showing temporal trend

```
[17.. 1 plot_func <- function(df, neighbourhood, crime, time_scale) {  
2  
3   if (crime == 'ALL') {  
4     if (neighbourhood == 'ALL') {  
5       df <- df %>%  
6         group_by({{time_scale}}) %>%  
7         mutate(count = length(TYPE))  
8     } else {  
9       df <- df %>%  
10        filter(NEIGHBOURHOOD == neighbourhood) %>%  
11        group_by({{time_scale}}) %>%  
12        mutate(count = length(TYPE))  
13    }  
14  } else {  
15    if (neighbourhood == 'ALL') {  
16      df <- df %>%  
17      filter(TYPE == crime) %>%  
18      group_by({{time_scale}}) %>%  
19      mutate(count = length(TYPE))  
20    } else {  
21      df <- df %>%  
22      filter(NEIGHBOURHOOD == neighbourhood & TYPE == crime) %>%  
23      group_by({{time_scale}}) %>%  
24      mutate(count = length(TYPE))  
25    }  
26  }  
27  
28  df %>%  
29  ggplot() +  
30  geom_line(aes(x={{time_scale}}, y=count)) +  
31  theme_bw()  
32  
33 }
```

