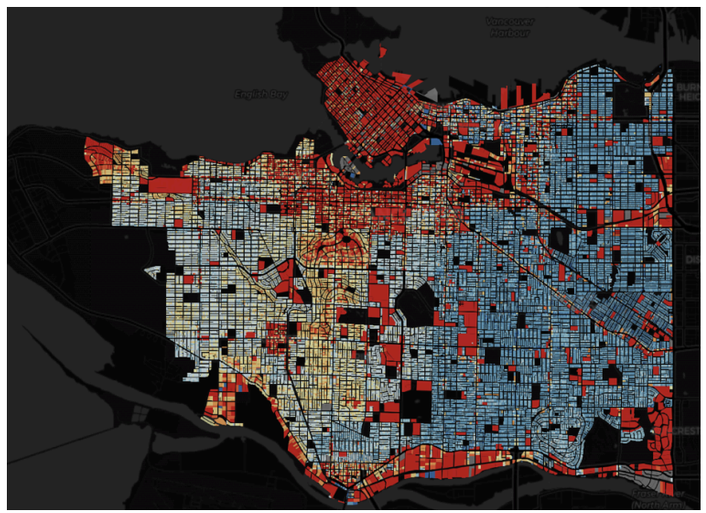
SCREENSHOT OF GROUP 114 MILESTONE3 (IN PROGRESS)

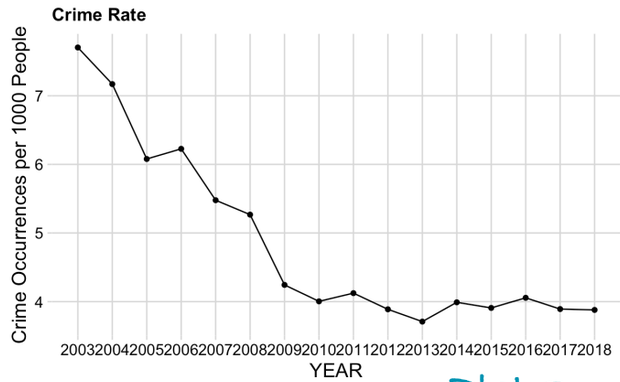
```r
chart1 <- ggplot(MOY, aes(x=reorder(MONTH_NAME, MONTH), y=N)) +
    geom_bar(stat = "identity") +
    labs(x='MONTH', y= 'Occurrence Count') +
    scale_y_continuous(labels = scales::comma) +
    ggtitle("Crime Occurrence by Month") +
    theme_minimal_grid() +
    theme(
        text = element_text(size = 12),
        axis.title.x = element_text(size = 15),
        axis.title.y = element_text(size = 15),
        axis.text.x = element_text(angle = 30, hjust = 0.5))


chart2 <- ggplot(TOD, aes(x=HOUR, y=N)) +
    geom_bar(stat = "identity") +
    labs(x='HOUR', y= 'Occurrence Count') +
    scale_y_continuous(labels = scales::comma) +
    scale_x_continuous(breaks = seq(0, 23, 2)) +
    ggtitle("Crime Occurrence by Time of Day") +
    theme_minimal_grid() +
    theme(
        text = element_text(size = 12),
        axis.title.x = element_text(size = 15),
        axis.title.y = element_text(size = 15),
        axis.text.x = element_text(angle = 30, hjust = 0.5))


chart3 <- ggplot(crime_rate, aes(x=YEAR, y=rate)) +
    geom_point() +
    geom_line() +
    labs(x='YEAR', y= 'Crime Occurrences per 1000 People') +
    scale_x_continuous(breaks = seq(min(crime_rate$YEAR), max(crime_rate$YEAR), 1)) +
    ggtitle("Crime Rate") +
    theme_minimal_grid() +
    theme(
        text = element_text(size = 12),
        axis.title.x = element_text(size = 15),
        axis.title.y = element_text(size = 15))


chart4 <- ggplot(type_crimes, aes(x=reorder(TYPE, -contri), y=contri)) +
    geom_bar(stat = "identity") +
    labs(x='', y= 'Contribution') +
    scale_y_continuous(labels = scales::percent) +
    ggtitle("Constituents of Selected Crimes") +
    theme_minimal_grid() +
    theme(
        text = element_text(size = 12),
        axis.title.x = element_text(size = 15),
        axis.title.y = element_text(size = 15),
        axis.text.x = element_text(angle = 30, hjust = 1))
```

Code for plot

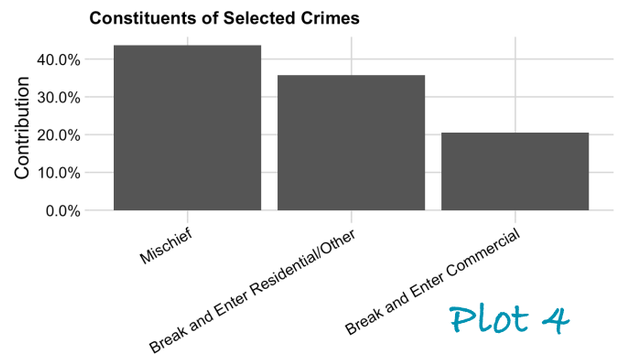
Plot 5

We are still working on create a map in ggplot, below is one example expected.

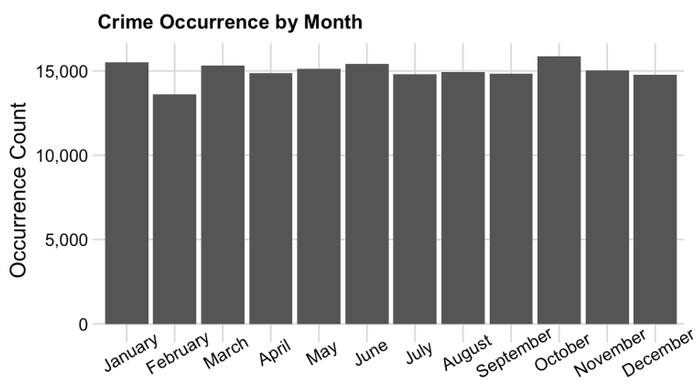




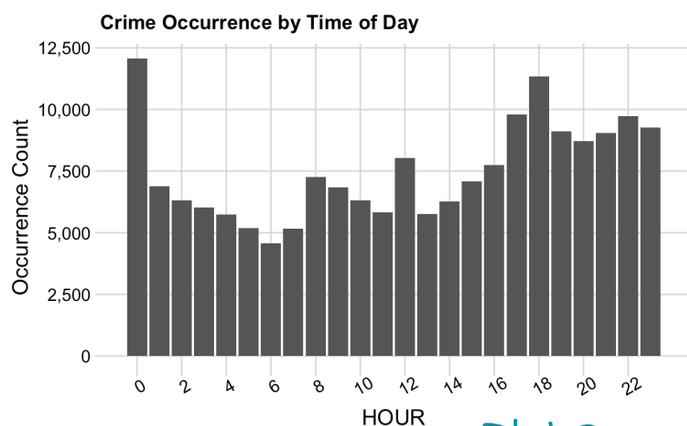
Plot 3



Plot 4



Plot 1



Plot 2