Homework_5

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Load libraries

```
library(tidyverse)
library(ggthemes())
library(tigris)
library(sf)
library(viridis)
library(forcats)
```

Load data and pick city

```
homicides <- read_csv("../data/homicide-data.csv") %>%
filter(city == "Louisville")
```

Use Tigris to download sub-city information as sf objects.

Create the plot

```
ggplot() +
  geom_sf(data = L_block_groups, color = "snow3", fill = NA) +
  geom_sf(data = L_county_sub, color = "black", fill = NA) +
  geom_point(data = homicides,
             aes(x = lon, y = lat, color = victim_race),
             alpha = 0.5) +
  scale_color_manual(values = c("White" = "purple1",
                                "Black" = "orange1",
                                "Hispanic" = "steelblue3",
                                "Other" = "seagreen4"),
                     name = "victim race") +
  facet_wrap(~ disposition) +
  theme_few() +
  theme(legend.position = "top") +
  labs(x = "".
       y = "") +
  ggtitle("Map of homicides in Louisville, KY",
          subtitle = "grouped by case status and showing the top 3 races")
```

Map of homicides in Louisville, KY grouped by case status and showing the top 3 races



