Homework #5, Choice #1

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Homicide Data

Read in the data.

```
homicide raw <- read csv("../data/homicide-data.csv")</pre>
## Parsed with column specification:
## cols(
     uid = col character(),
##
##
     reported_date = col_double(),
    victim_last = col_character(),
##
     victim_first = col_character(),
##
##
    victim_race = col_character(),
    victim_age = col_character(),
##
    victim sex = col character(),
##
    city = col_character(),
##
##
    state = col character(),
##
     lat = col_double(),
##
     lon = col_double(),
     disposition = col character()
##
## )
```

Clean Data

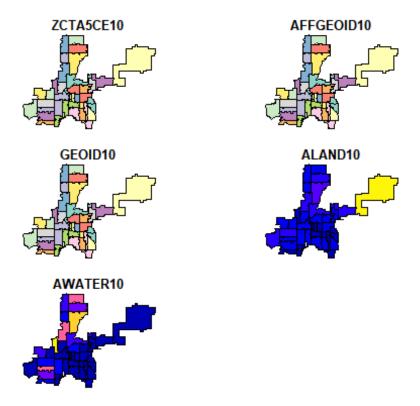
Filter the data for the city of Denver and select the categories that will be used.

```
denver <- homicide_raw %>%
  filter(city == "Denver") %>%
  select(lat, lon, disposition, victim_race)
```

Map Boundaries

In this section, I used the zip codes for the Denver area to create boundaries for my base map.

```
denver_zips <- zctas(cb = TRUE, starts_with = c("802"), class = "sf")
plot(denver zips)</pre>
```



Number of Homicides by Victim Race

Here, I determined the three race groups (balck, white, hispanic) with the highest number of victim homicides.

Create the Map

I created a map to show where the homicides in Denver have occured for the three race groups with the highest number of victims. Then, I faceted by the disposition of the case in order to create two stacked maps.

```
denver_crs <- denver2 %>%
  filter(!is.na(lat)) %>%
  st_as_sf(coords = c("lon", "lat")) %>%
```

Homicides in Denver, CO

