HW5

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# **import data and selected only Denver**

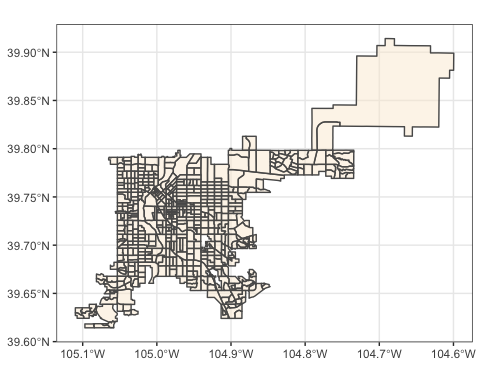
## Rows: 52179 Columns: 12  
## ── Column specification ────────────────────────────────────────────────────────  
## Delimiter: ","  
## chr (9): uid, victim\_last, victim\_first, victim\_race, victim\_age, victim\_sex...  
## dbl (3): reported\_date, lat, lon  
##   
## ℹ Use `spec()` to retrieve the full column specification for this data.  
## ℹ Specify the column types or set `show\_col\_types = FALSE` to quiet this message.

## [1] "Albuquerque" "Atlanta" "Baltimore" "Baton Rouge"   
## [5] "Birmingham" "Boston" "Buffalo" "Charlotte"   
## [9] "Chicago" "Cincinnati" "Columbus" "Dallas"   
## [13] "Denver" "Detroit" "Durham" "Fort Worth"   
## [17] "Fresno" "Houston" "Indianapolis" "Jacksonville"   
## [21] "Kansas City" "Las Vegas" "Long Beach" "Los Angeles"   
## [25] "Louisville" "Memphis" "Miami" "Milwaukee"   
## [29] "Minneapolis" "Nashville" "New Orleans" "New York"   
## [33] "Oakland" "Oklahoma City" "Omaha" "Philadelphia"   
## [37] "Phoenix" "Pittsburgh" "Richmond" "San Antonio"   
## [41] "Sacramento" "Savannah" "San Bernardino" "San Diego"   
## [45] "San Francisco" "St. Louis" "Stockton" "Tampa"   
## [49] "Tulsa" "Washington"

## # A tibble: 4 × 2  
## victim\_race n  
## <fct> <int>  
## 1 Black 113  
## 2 Hispanic 94  
## 3 White 95  
## 4 Other 10

#sf map of denver, colorado To download boundaries for some sub-city geography (e.g., tracts, block groups, county subdivisions) I used the sf package

## Retrieving data for the year 2020  
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 #adding the homicides  
1- I used facet\_wrap for solved versus unsolved homicides 2- I showed it as a layer underneath the points showing homicides.

