Final Project - STAT 632

Harrison Plate & Carlos Aguilar

4/5/2022

```r
library(readr)
Racial_Profiling = read_csv("2020_Racial_Profiling__RP__dataset (Excel).csv")
```

```
## Warning: One or more parsing issues, see `problems()` for details

## Rows: 68330 Columns: 24

## -- Column specification ---------------------------------------------------
## Delimiter: ","
## chr (20): Stop Key, Type, TCOLE Sex, TCOLE RACE ETHNICITY, Standardized Race...
## dbl  (2): CENSUS_TRACT, Zip Code

##
## 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.
```

```r
View(Racial_Profiling)
```

```r
problems(Racial_Profiling)
```

```
## # A tibble: 8 x 5
##     row   col expected actual file
##   <int> <int> <chr>    <chr>  <chr>
## 1 12968    13 a double 9,800  C:/Users/16503/Documents/CSUEB/Spring 2022/STAT 6~
## 2 13013    13 a double 9,800  C:/Users/16503/Documents/CSUEB/Spring 2022/STAT 6~
## 3 13014    13 a double 9,800  C:/Users/16503/Documents/CSUEB/Spring 2022/STAT 6~
## 4 13018    13 a double 9,800  C:/Users/16503/Documents/CSUEB/Spring 2022/STAT 6~
## 5 13019    13 a double 9,800  C:/Users/16503/Documents/CSUEB/Spring 2022/STAT 6~
## 6 13099    13 a double 9,800  C:/Users/16503/Documents/CSUEB/Spring 2022/STAT 6~
## 7 44774    13 a double 9,800  C:/Users/16503/Documents/CSUEB/Spring 2022/STAT 6~
## 8 45148    13 a double 9,800  C:/Users/16503/Documents/CSUEB/Spring 2022/STAT 6~
```

```r
#appears that there are 8 rows that have problems.
#We will investigate first, see if we can make some data cleaning edits.
#If it's not possible, we'll hard-code new rows with edits.
#If that's not possible, we will delete the rows.
```

```r
head(Racial_Profiling)
```

```
## # A tibble: 6 x 24
##   `Stop Key`            Type    `TCOLE Sex` `TCOLE RACE ETHNI~` `Standardized ~`
##   <chr>                 <chr>   <chr>       <chr>               <chr>
## 1 20201-459626502-25962 WARNING Male        White               NO - RACE OR ET~
## 2 20202-459626535-25972 WARNING Female      White               NO - RACE OR ET~
## 3 20203-459887820-68511 WARNING Female      White               NO - RACE OR ET~
## 4 20204-459754277-68427 WARNING Female      Hispanic/Latino     NO - RACE OR ET~
```

```
## 5 20205-65602014-68425  WARNING Male       White              NO - RACE OR ET~
## 6 20206-459276358-68461 WARNING Male       White              NO - RACE OR ET~
## # ... with 19 more variables: `Reason for Stop` <chr>, Street_Type <chr>,
## #   `Search Yes or No` <chr>, `TCOLE Search Based On` <chr>,
## #   `TCOLE Search Found` <chr>, `TCOLE Result of Stop` <chr>,
## #   `TCOLE Arrest Based On` <chr>, CENSUS_TRACT <dbl>,
## #   `Council District` <chr>, COUNTY <chr>, Custody <chr>, Location <chr>,
## #   Sector <chr>, `Standardized Race` <chr>, `Stop Date` <chr>,
## #   `Stop Time` <chr>, X_COORDINATE <dbl>, Y_COORDINATE <dbl>, ...
```

```r
Racial_Profiling_Guide = read_csv("2020_Racial_Profiling__RP__Guide (Excel).csv")
```

```
## Rows: 23 Columns: 2

## -- Column specification ------------------------------------------------
## Delimiter: ","
## chr (2): Stop Key, A unique number for each stop.

##
## 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.
```

```r
View(Racial_Profiling_Guide)
```

```r
head(Racial_Profiling_Guide)
```

```
## # A tibble: 6 x 2
##   `Stop Key`              `A unique number for each stop.`
##   <chr>                   <chr>
## 1 Type                    Indicates the type of motor vehicle stop (Warnings, C~
## 2 TCOLE Sex               Indicates male and female categorization.
## 3 TCOLE RACE ETHNICITY    Racial categorizations for the purposes of TCOLE.  Mi~
## 4 Standardized Race Known Was race known before the stop?
## 5 Reason for Stop         Reason why the stop was made.
## 6 Street_Type             Type of street the stop was made on.
```

Description:

2020 Austin Police Department, dataset of APD arrests, citations, and warnings/field observations made from traffic stops in 2020.