Week 9 Data Story Submission

jingying

2023-10-17

Questions

What is the topic that you have finalized? (Answer in 1 or 2 sentences)

The topic I have finalised on is on Starbucks in California, US, and its correlation to race and background of inhabitants in specific cities within its branding.

What are the data sources that you have curated so far? (Answer 1 or 2 sentences).

The data source I have obtained is for free, and originates from the following link: https://data.world/alice-c/starbucks

The data set contains information on the number of Starbucks in each city, combined with census data from ca.gov.

```
# Data set
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ----------------------- tidyverse 2.0.0 --
## v dplyr     1.1.2     v readr     2.1.4
## v forcats   1.0.0     v stringr   1.5.0
## v ggplot2   3.4.3     v tibble    3.2.1
## v lubridate 1.9.2     v tidyr     1.3.0
## v purrr     1.0.2
## -- Conflicts ------------------------------------------- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
Starbucks_Cali <- read.csv("Starbucks in California - City Stats.csv")

# First 10 rows of the data set
head(Starbucks_Cali,10)
```

```
##                                  ID           City              County
## 1   Monterey Park - Los Angeles County   Monterey Park  Los Angeles County
## 2        Milpitas - Santa Clara County       Milpitas  Santa Clara County
## 3        Rosemead - Los Angeles County       Rosemead  Los Angeles County
## 4       Hercules - Contra Costa County       Hercules Contra Costa County
## 5        Cerritos - Los Angeles County       Cerritos  Los Angeles County
```

```
## 6          Inglewood - Los Angeles County        Inglewood  Los Angeles County
## 7  Rowland Heights - Los Angeles County Rowland Heights  Los Angeles County
## 8           Daly City - San Mateo County        Daly City    San Mateo County
## 9              Walnut - Los Angeles County           Walnut  Los Angeles County
## 10             Carson - Los Angeles County           Carson  Los Angeles County
##     Number.of.Starbucks Starbucks.per.million.inhabitants
## 1                     1                               17
## 2                    10                              150
## 3                     3                               56
## 4                     2                               83
## 5                     4                               82
## 6                     3                               27
## 7                     3                               61
## 8                     5                               49
## 9                     2                               69
## 10                    8                               87
##     Starbucks.per.10.sq..mile Median.Age Median.Household.Income
## 1                        1.30       43.1                 $51,736
## 2                        7.36       36.1                 $94,589
## 3                        5.81       38.1                 $47,964
## 4                        3.22         39                 $94,493
## 5                        4.58         44                 $87,853
## 6                        3.31       33.4                 $44,021
## 7                        2.29       40.2                 $63,750
## 8                        6.53       38.3                 $75,399
## 9                        2.22       43.1                $101,358
## 10                       4.27       37.6                 $70,416
##     X2010.Population Percentage.of.white.population Land.Area..Sq..miles.
## 1              60269                             19                  7.67
## 2              66790                             21                 13.59
## 3              53764                             21                  5.16
## 4              24060                             22                  6.21
## 5              49041                             23                  8.73
## 6             109673                             23                  9.07
## 7              48993                             23                 13.08
## 8             101123                             24                  7.66
## 9              29172                             24                  8.99
## 10             91714                             24                 18.72
##     Number.of.Starbucks..Rank. Starbucks.per.million.inhabitants..Rank.
## 1                            1                                        1
## 2                          376                                      334
## 3                          190                                       96
## 4                          113                                      183
## 5                          247                                      177
## 6                          190                                       15
## 7                          190                                      112
## 8                          285                                       78
## 9                          113                                      133
## 10                         352                                      200
##     Starbucks.per.sq..mile..Rank. Median.Age..Rank.
## 1                              68               364
## 2                             380               205
## 3                             350               258
## 4                             210               277
```

```
## 5                            304                    374
## 6                            216                    132
## 7                            132                    299
## 8                            363                    263
## 9                            125                    364
## 10                           281                    245
##      Median.Household.Income..Rank. Percentage.of.white.population..Rank.
## 1                            125                                       1
## 2                            374                                       2
## 3                             93                                       3
## 4                            373                                       4
## 5                            358                                       5
## 6                             67                                       6
## 7                            222                                       7
## 8                            288                                       8
## 9                            391                                       9
## 10                           267                                      10
```