## Texas Covid Data Project

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## Part 1: Data manipulation

```
## # A tibble: 160,420 x 3
##
     county
              date
                         cases
##
     <chr>
              <date>
                         <dbl>
## 1 Anderson 2020-03-04
## 2 Andrews 2020-03-04
## 3 Angelina 2020-03-04
## 4 Aransas 2020-03-04
## 5 Archer 2020-03-04
## 6 Armstrong 2020-03-04
## 7 Atascosa 2020-03-04
## 8 Austin 2020-03-04
## 9 Bailey
              2020-03-04
## 10 Bandera 2020-03-04
## # ... with 160,410 more rows
```

## Part 2: Data merging

```
pop_dat <- read_csv(".\\data/county-populations.csv")

## Rows: 255 Columns: 2

## -- Column specification ------
## Delimiter: ","

## chr (1): county

## dbl (1): population</pre>
```

```
##
## 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.
cases <- left_join(cases, pop_dat)</pre>
## Joining, by = "county"
cases
## # A tibble: 160,420 x 4
##
     county
               date
                          cases population
##
     <chr>
               <date>
                          <dbl>
                                     <dbl>
## 1 Anderson 2020-03-04
                              0
                                     58199
                                     22269
## 2 Andrews
              2020-03-04
                              0
## 3 Angelina 2020-03-04
                              0
                                     90437
## 4 Aransas 2020-03-04
                              0
                                     27699
## 5 Archer
               2020-03-04
                              0
                                     8344
## 6 Armstrong 2020-03-04
                              0
                                     1948
## 7 Atascosa 2020-03-04
                              0
                                     51831
## 8 Austin 2020-03-04
                              0
                                     30402
## 9 Bailey
                                     7692
               2020-03-04
                              0
              2020-03-04
## 10 Bandera
                                     21246
## # ... with 160,410 more rows
```

## part 3: Data visualization

