Merging Data

Ben Goldstone

10/06/2023

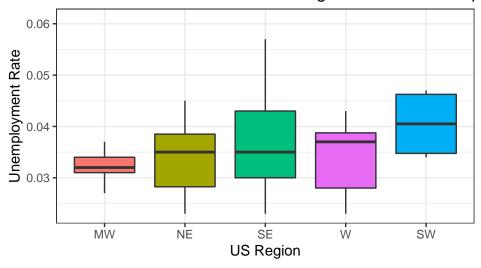
Import Dataset

```
States9 = read_csv("~/CSVs/States9.csv")
## Rows: 51 Columns: 6
## -- Column specification -----
## Delimiter: ","
## chr (4): State, AvgPrice, PolitalParty, Region
## dbl (1): BorderingStates
##
## 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.
States9 = States9 %>% mutate_all(~gsub("\xa0","",.)) %>%
  rename_at("PolitalParty",~"PoliticalParty")
States9Truncated = States9[c("State", "AvgPrice", "Population", "PoliticalParty", "Region",
                             "BorderingStates")]
States10 = read_csv("~/CSVs/States10.csv")
## Rows: 50 Columns: 6
## -- Column specification -----
## Delimiter: ","
## chr (1): State
## dbl (5): Population, IncomeTax, PropertyTax, UnemploymentRates, MinimumWage
## 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.
States10 = States10 %>% mutate(UnemploymentRates = UnemploymentRates/100)
States10Truncated = States10[c("State", "IncomeTax", "PropertyTax", "UnemploymentRates", "MinimumWage")]
AllStates = full_join(States9Truncated,States10Truncated)
## Joining, by = "State"
AllStates
## # A tibble: 51 x 10
##
               AvgPrice Population PoliticalParty Region BorderingStates IncomeTax
      State
##
      <chr>
               <chr>
                        <chr>
                                   <chr>
                                                  <chr> <chr>
                                                                              <dbl>
## 1 Alabama
               1.880
                        4903185
                                                  SE
                                                                            0.05
               2.686
                        731545
                                                          Λ
                                                                            0
## 2 Alaska
                                   R.
```

```
3 Arizona
                2.563
                          7278717
                                                     SW
                                                                                 0.0454
##
   4 Arkansas 1.862
                          3017825
                                     R.
                                                     SF.
                                                             6
                                                                                 0.069
   5 Californ~ 3.175
                                                                                 0.133
                          39512223
                                     D
                                                     W
                                                             3
   6 Colorado 2.063
                                                     W
                                                             7
##
                          5758736
                                     D
                                                                                 0.0463
    7 Connecti~ 2.274
                          3565287
                                     D
                                                     NE
                                                             3
                                                                                 0.0699
    8 Delaware 2.021
                          973764
                                     D
                                                     NE
                                                             3
                                                                                 0.066
##
   9 Washingt~ 2.361
                          705749
                                     D
                                                     SE
                                                             2
                                                                                NA
                          21477737
                                                     SF.
                                                             2
                                                                                 0
## 10 Florida
                2.052
                                     R
## # ... with 41 more rows, and 3 more variables: PropertyTax <dbl>,
       UnemploymentRates <dbl>, MinimumWage <dbl>
```

Unemployment Rate and Regions

South Western States have the Highest Median Unemp



Average Populations and Regions

Most Region Populations are Heavily Skewed

