

# STATEBINS PROJECT

by

Radhika Vijayaraghavan<br/>(Section 1) net<br/>ID# zg4894

Instructor: Dr.Eric Suess

STAT 651, California State University East Bay

Fall 2022

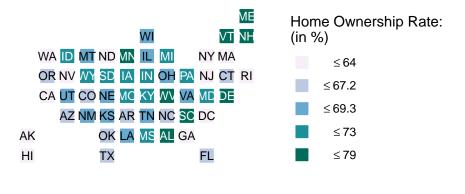
#### State Bin 1

```
Home_Ownership_Rate <- read_csv("home_ownership_rate_2019_2022.csv") %>%
    clean_names() %>%
    rename("Year_2019" = "x1_1_19",
           "Year_2020" = "x1_1_20",
           "Year 2021" = "x1 1 21")
  Home_Ownership_Rate <- Home_Ownership_Rate %>%
    mutate(share = cut(Year_2021,
                       breaks = c(-77,64,67.2,69.3,73,79)
    select(region_name, region_code, Year_2021, share)
  head(Home_Ownership_Rate)
# A tibble: 6 x 4
 region_name region_code Year_2021 share
                    <dbl>
  <chr>
                              <dbl> <fct>
1 Alabama
                               73.4 (73,79]
                        1
2 Alaska
                        2
                                    (-77,64]
                               64
3 Arizona
                        4
                               65.2 (64,67.2]
4 Arkansas
                       5
                               66.1 (64,67.2]
5 California
                      6
                               54.2 (-77,64]
6 Colorado
                       8
                               65.9 (64,67.2]
  statebins(state_data = Home_Ownership_Rate,
            state_col = "region_name",
            value_col = "share",
            direction = 1,
            ggplot2_scale_function = scale_fill_brewer
    theme_statebins(legend_position="right") +
    labs(title = "2021 Home Ownership rate by state") +
    scale_fill_brewer(palette = "PuBuGn", name = "Home Ownership Rate:\n(in %)",
                      labels = c(expression("" <= 64), expression("" <= 67.2),</pre>
```

Scale for fill is already present.

Adding another scale for fill, which will replace the existing scale.

### 2021 Home Ownership rate by state



### State Bin 2

3 Arizona 4 Arkansas

4 30.6

5 26.2

```
5 California 6 38.1
6 Colorado 8 35.3
```

## Avg Hourly Earnings by state, Oct 2022

