US Maps (Proportion of Total Respondents)

```r
source("state_politics.R")
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.0 --
```

```
## v ggplot2 3.3.3     v purrr   0.3.4
## v tibble  3.1.0     v dplyr   1.0.5
## v tidyr   1.1.3     v stringr 1.4.0
## v readr   1.4.0     v forcats 0.5.0
```

```
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```r
par(mfrow = c(1, 2))

for (i in 2:19) {
    # political affiliation by 2018 election results ----
  print(plot_usmap(data = nmu_politics, values = "election",
                   labels = FALSE) +
          scale_fill_gradient2(low = "red", mid = "mediumpurple1",
                               high = "mediumblue", midpoint = 1,
                               name = "Ratio of Democrat/Republican") +
          theme(legend.position = "right") +
          theme(panel.background = element_rect(color = "black")) +
          labs(title = "Political Affiliation by 2018 Election Results"))

    # average NMU by state ----
  print(plot_usmap(data = nmu_politics,
                   values = names(nmu_politics)[i], labels = FALSE) +
          scale_fill_continuous(
            low = "white", high = "darkred", name = "Average NMU",
            limits = if (i < 19) {range(nmu_politics[, -c(1, 19:21)])
              } else {NULL}) +
          theme(legend.position = "right") +
          theme(panel.background = element_rect(color = "black")) +
          labs(title =
                 str_c("Average ", str_to_upper(names(nmu_politics)[i]),
                       " NMU By State")))
}
```
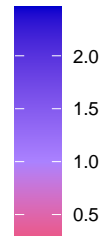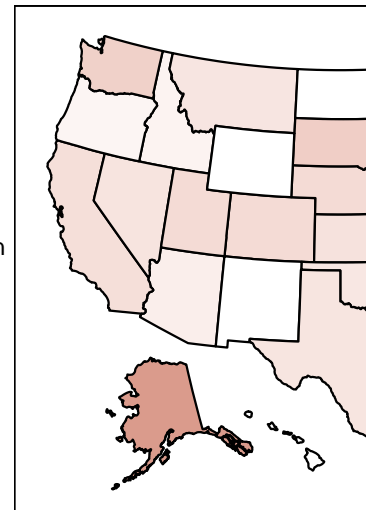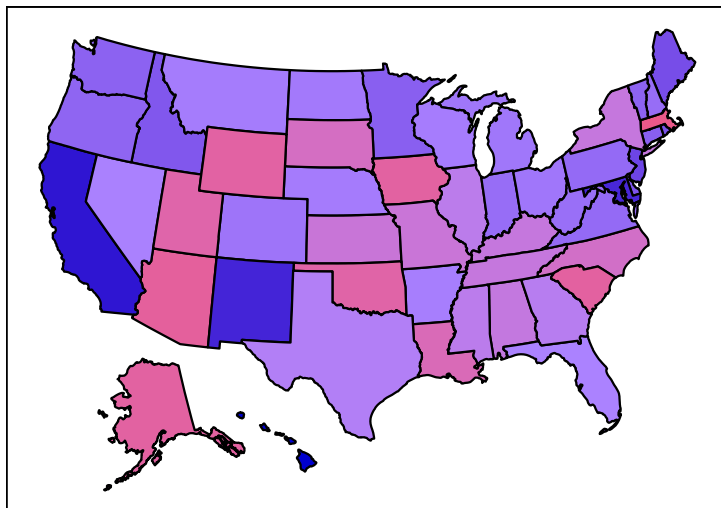
Political Affiliation by 2018 Election Results
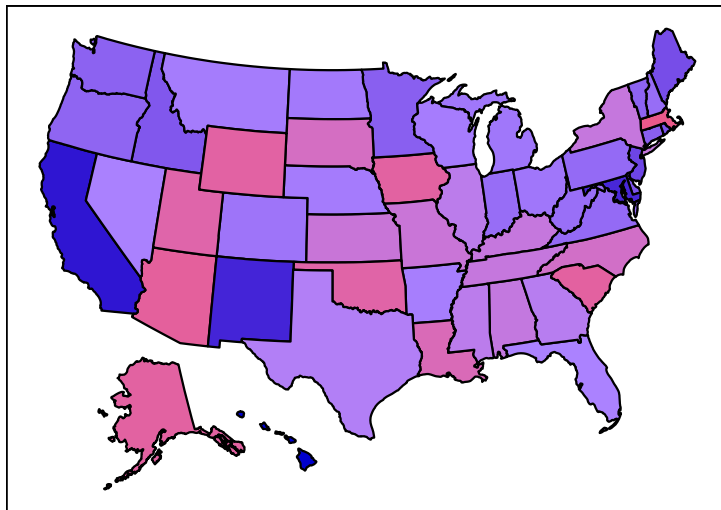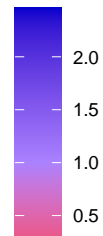

Ratio of Democrat/Republican

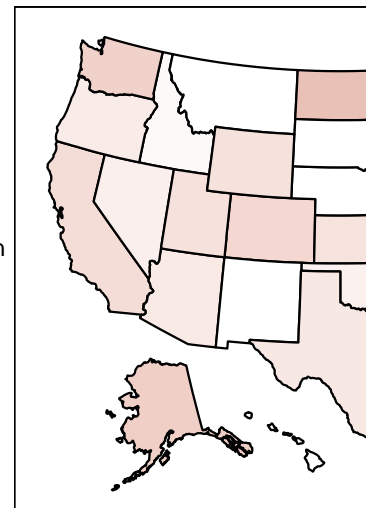## Average FENT NMU By Sta

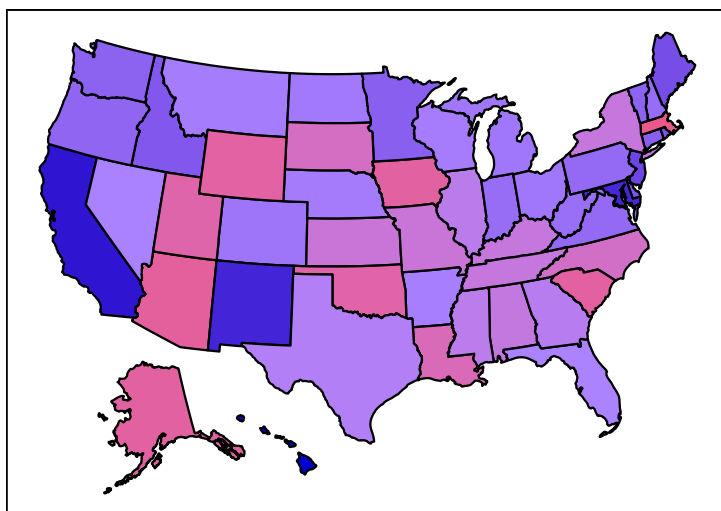## Political Affiliation by 2018 Election Results
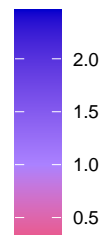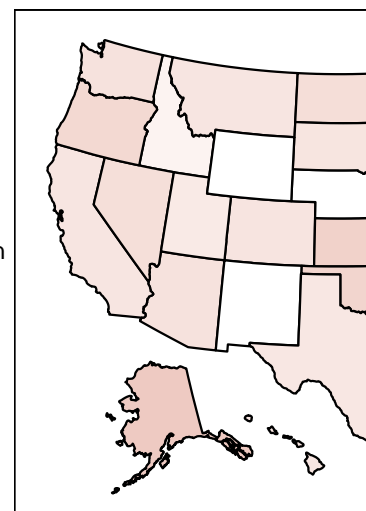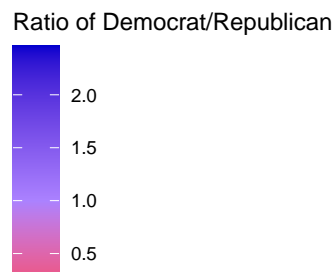

Ratio of Democrat/Republican

Average BUP NMU By Stat
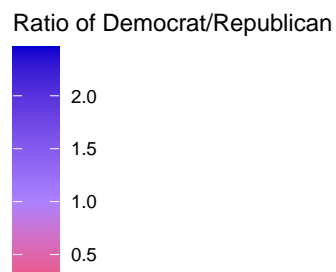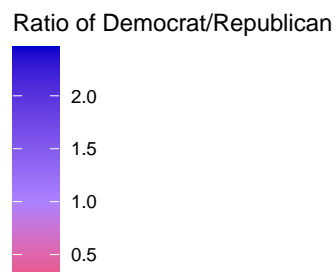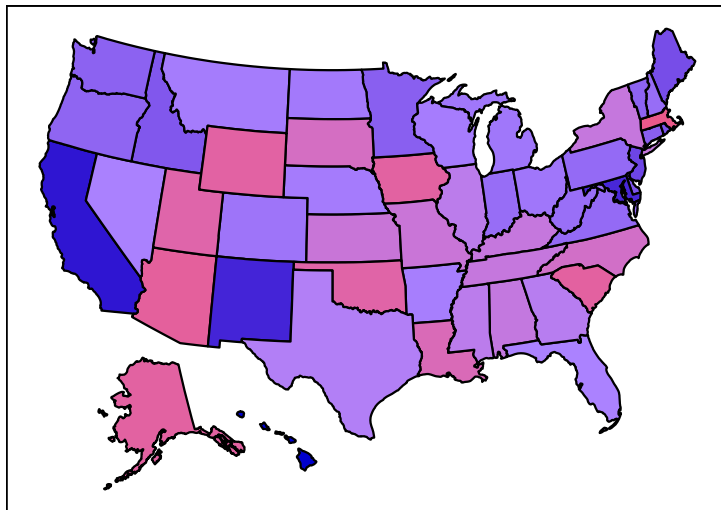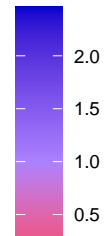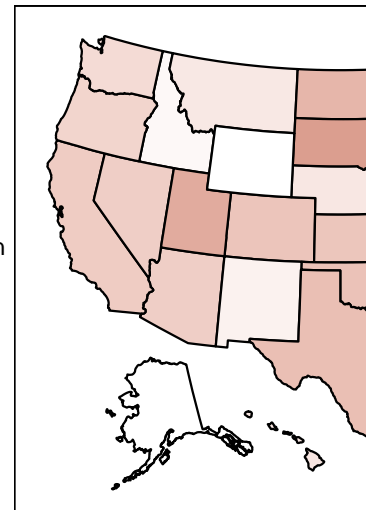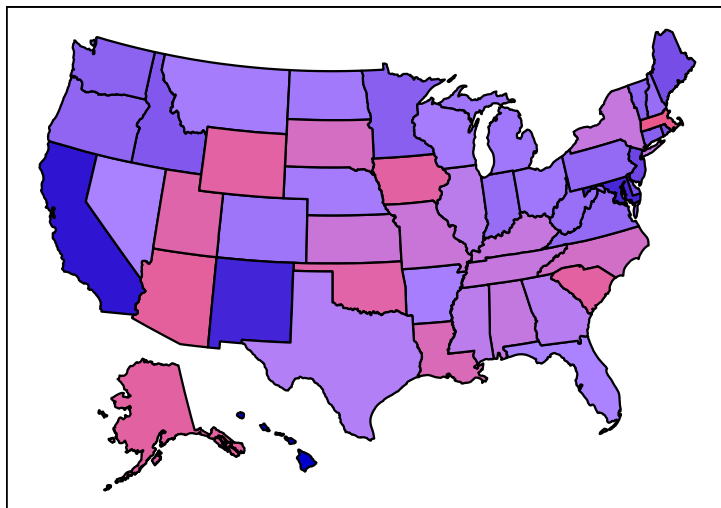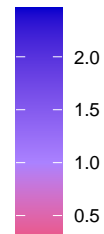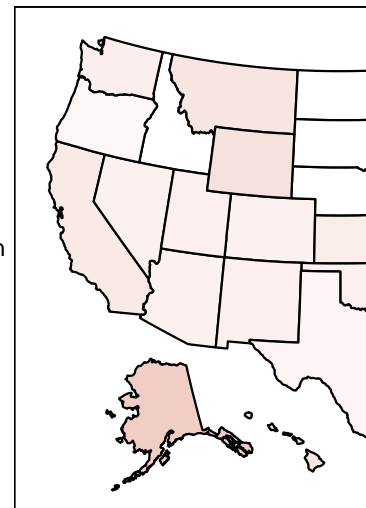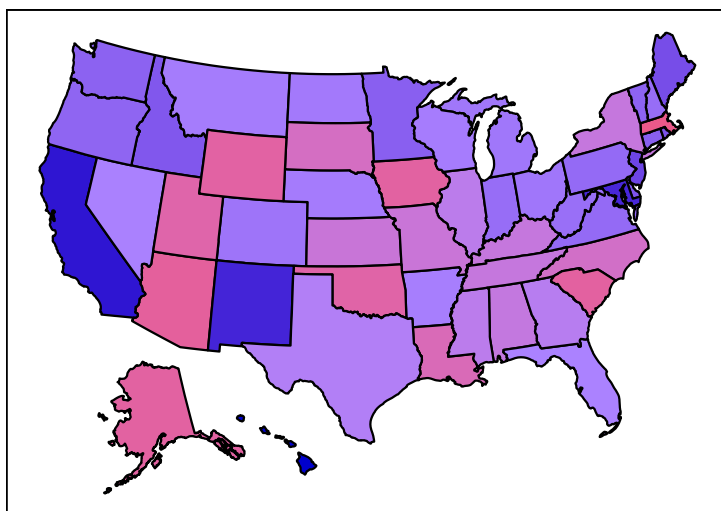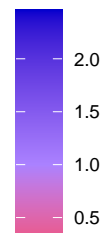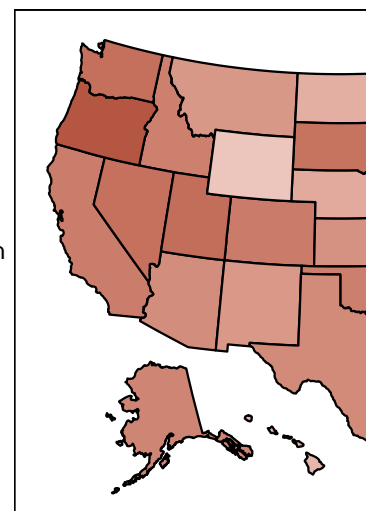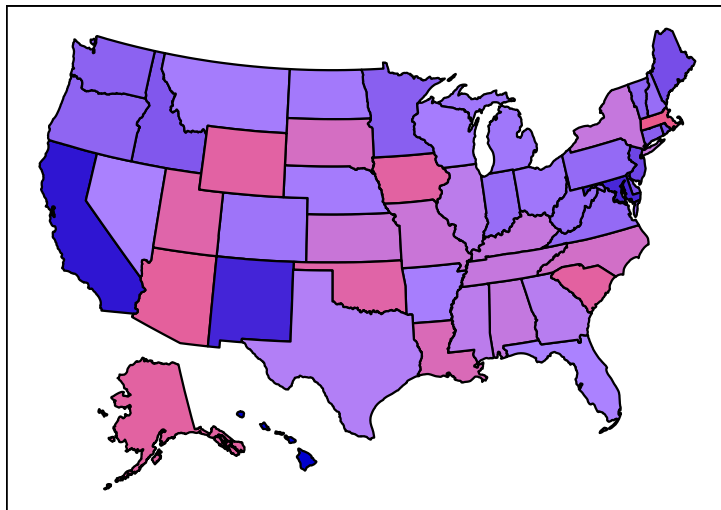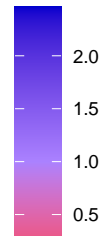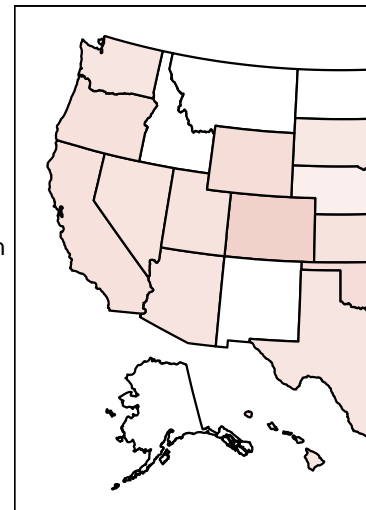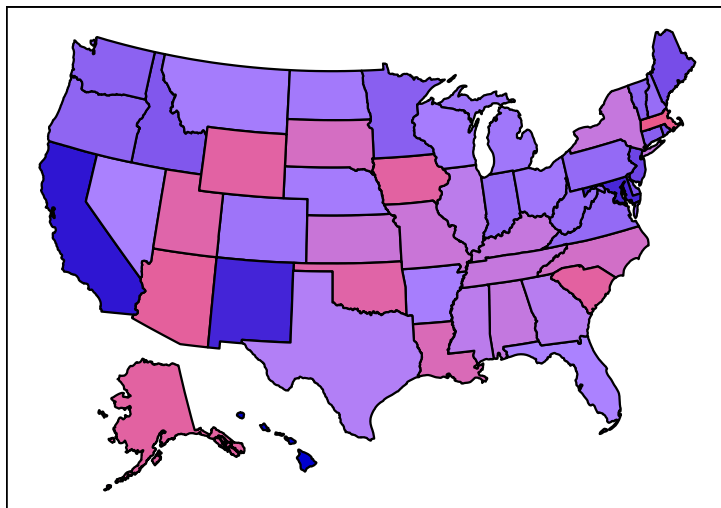

Political Affiliation by 2018 Election Results

Ratio of Democrat/Republican

Average METH NMU By St

Political Affiliation by 2018 Election Results

Ratio of Democrat/Republican

2.0
1.5
1.0
0.5

Average MORPH NMU By

Political Affiliation by 2018 Election Results

Ratio of Democrat/Republican
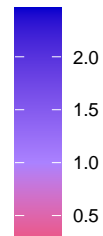
2.0
1.5
1.0
0.5

Average OXY NMU By Stat

Political Affiliation by 2018 Election Results

Ratio of Democrat/Republican

2.0
1.5
1.0
0.5

Average OXYM NMU By St

Political Affiliation by 2018 Election Results

Ratio of Democrat/Republican

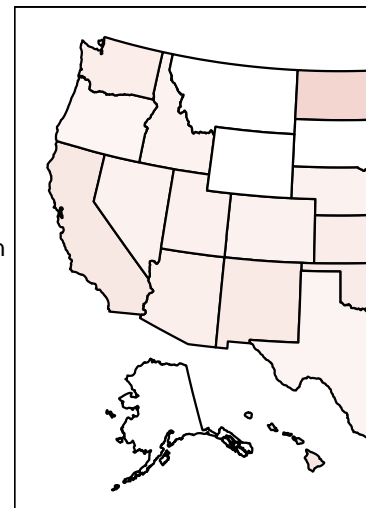## Average TRAM NMU By State

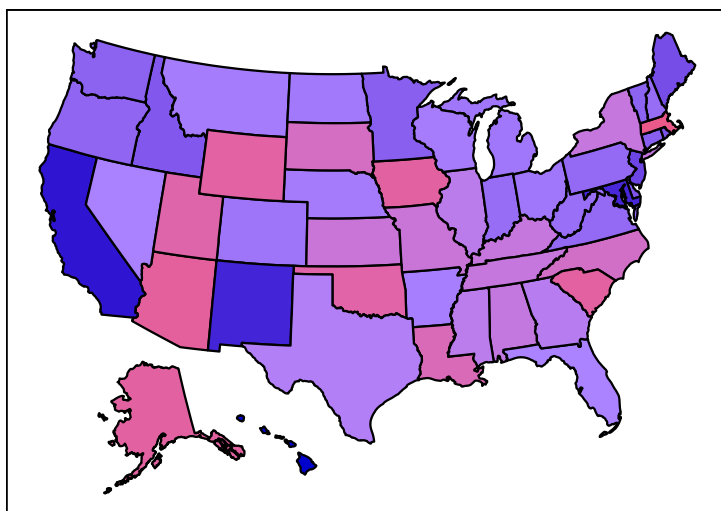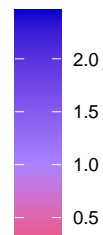## Political Affiliation by 2018 Election Results

Ratio of Democrat/Republican

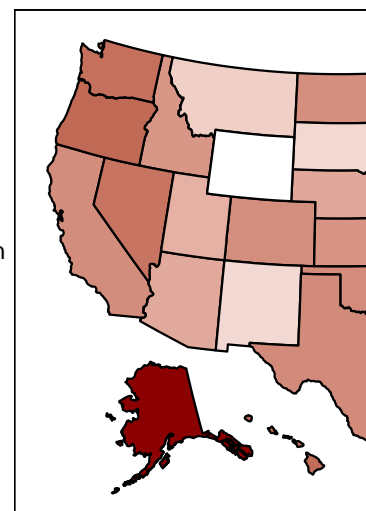## Average TAP NMU By State

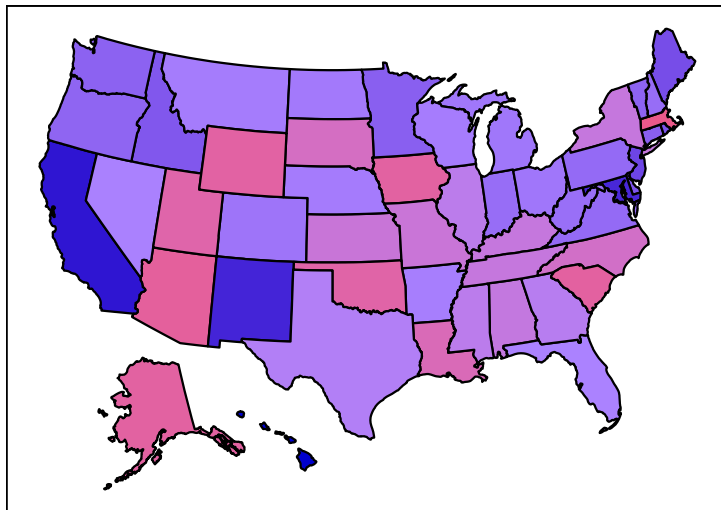## Political Affiliation by 2018 Election Results

Ratio of Democrat/Republican

Average HYD NMU By State

Political Affiliation by 2018 Election Results

Ratio of Democrat/Republican

Average HYDM NMU By St...

Political Affiliation by 2018 Election Results

Ratio of Democrat/Republican

Average SUF NMU By Stat...

Political Affiliation by 2018 Election Results

Ratio of Democrat/Republican

Average COD NMU By Stat...
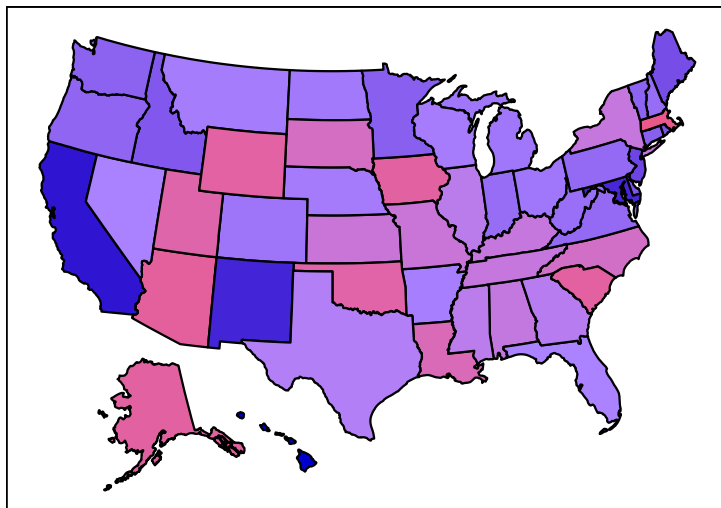
Political Affiliation by 2018 Election Results
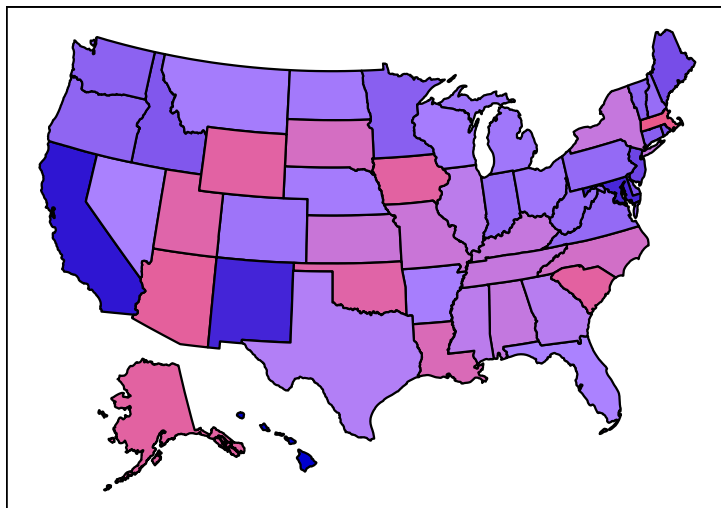
Average DIHY NMU By State

Political Affiliation by 2018 Election Results
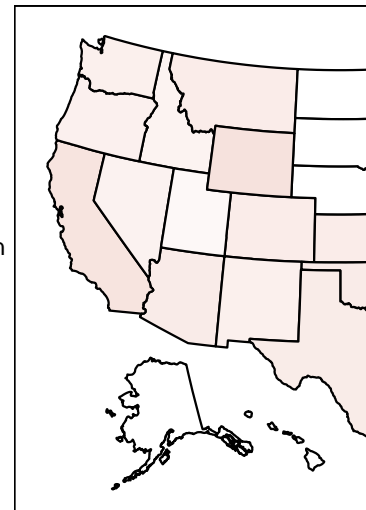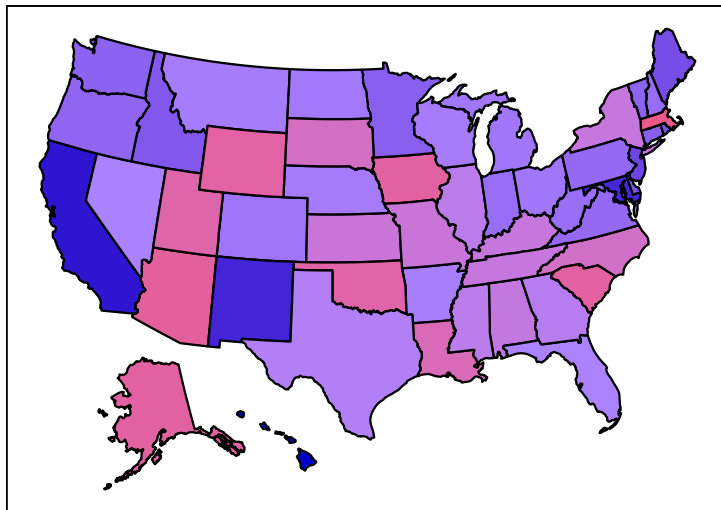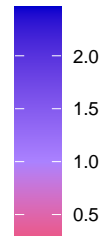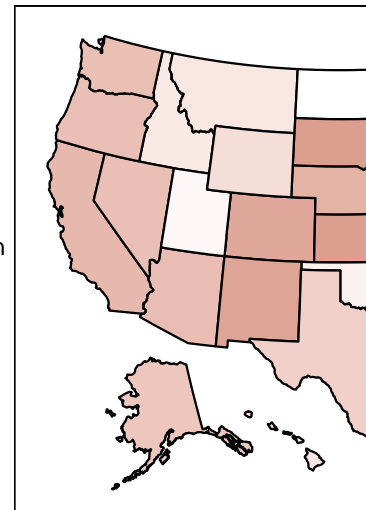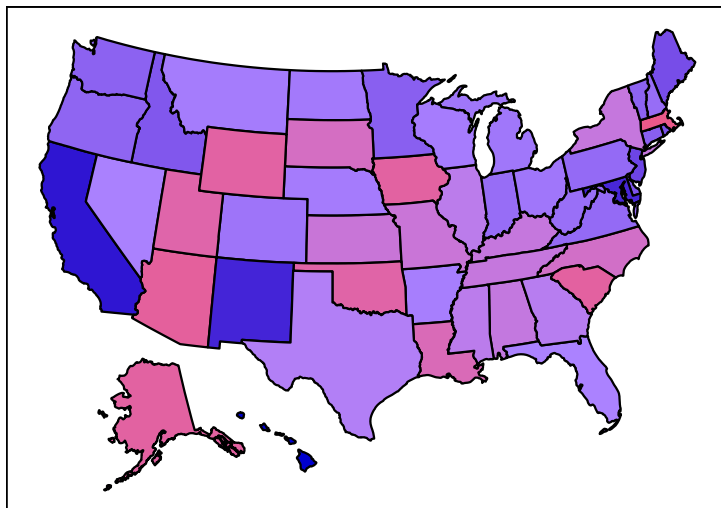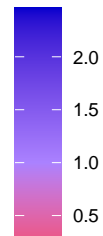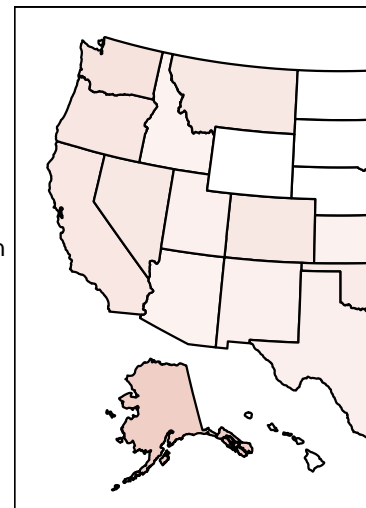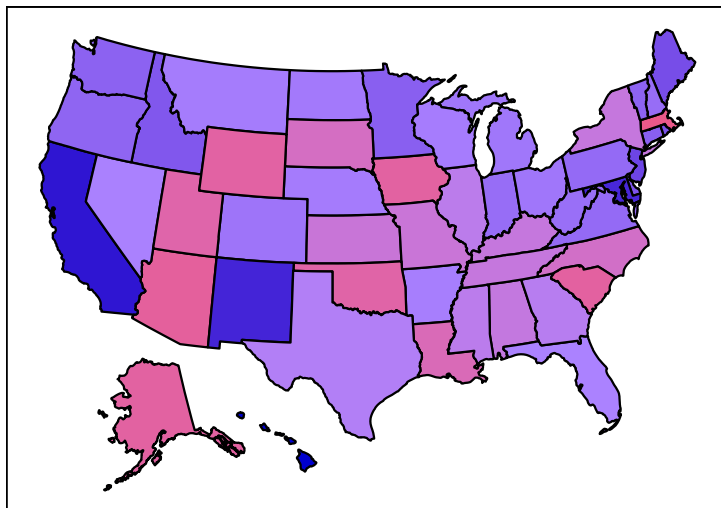

Average BENZ NMU By State

Political Affiliation by 2018 Election Results
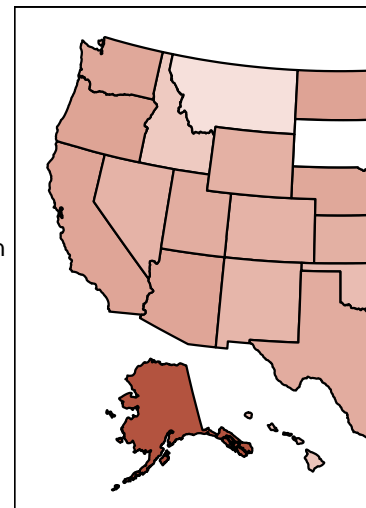
Average STIM NMU By State
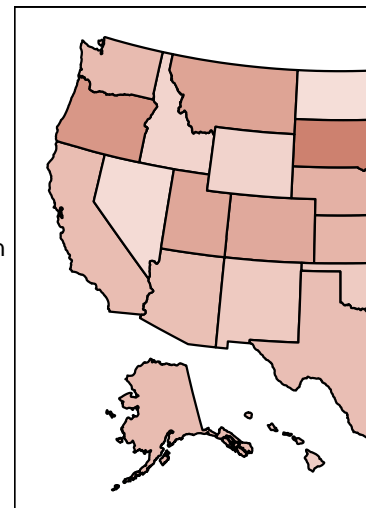
Political Affiliation by 2018 Election Results

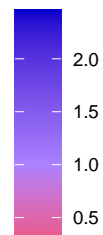Average THC NMU By State

Political Affiliation by 2018 Election Results

Average KTM NMU By State

Political Affiliation by 2018 Election Results

Average TOTAL NMU By State