

# Lab 11 - Creating a Variable-Encoded Regional Map

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In this lab, we are going to create a map showing the percentage of voters who voted for Clinton.

## Libraries

Load the necessary libraries.

```
library(tidyverse)

## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr      1.1.3      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  1.9.3      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

library(Lock5Data)
library(scales)

##
## Attaching package: 'scales'
##
## The following object is masked from 'package:purrr':
##
##   discard
##
## The following object is masked from 'package:readr':
##
##   col_factor
```

## Data

Load the data. Merge states with the election data set.

```
states_map <- map_data("state")
USStates$region <- as.character(tolower(USStates$State))
us_data <- right_join(USStates, states_map)

## Joining with `by = join_by(region)`
```

## Plot

Complete the cell with the code to make the plot.