Lab 4 - Exercise 4 - 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.

```r
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ----------------------- tidyverse 2.0.0 --
## v dplyr     1.1.4     v readr     2.1.5
## v forcats   1.0.0     v stringr   1.5.1
## v ggplot2   3.5.1     v tibble    3.2.1
## v lubridate 1.9.3     v tidyr     1.3.1
## 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
```

```r
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.

```r
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.