Follow these steps to execute the code in Windows:

1. download RStudio from https://www.rstudio.com/products/rstudio/download/

2. open prepareStateCounties.R in RStudio and press "Run". At this point an output file is generated and it contains the coordinates of all the point of the map

3. add one column in this file called "district" and assign for each county the number of the district it belongs to (according to the output file given by the algorithm with the final efficiency gap)

4. create separate files with the same schema for shared counties and assign properly the right district to each portion

5. open mapVisualization.R in RStudio

6. **modify** the code according to the new state, read the *shared county files* and update the *number* of colors created according to the number of district

7. run the program

It is not possible to use only the shell since we need an IDE. Therefore we downloaded RStudio on Windows but there are versions for every OS.