Lab5

Visualization Spatial Data

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Load necessary libraries

library(tidyverse) library(dsbox)

Load the states data

states <- read_csv("states.csv")

Calculate locations per thousand square miles for Denny's

dennys_density <- dn %>% count(state) %>% inner_join(states, by = c("state" = "abbreviation")) %>% mutate(dennys_per_thousand_sq_miles = n / (area / 1000))

Calculate locations per thousand square miles for La Quinta's

laquinta_density <- lq %>% count(state) %>% inner_join(states, by = c("state" = "abbreviation")) %>% mutate(laquinta_per_thousand_sq_miles = n / (area / 1000))

Print results

print("Denny's locations per thousand square miles:") print(dennys_density)

print("La Quinta's locations per thousand square miles:") print(laquinta_density)