Capstone

2023-01-29

library(dplyr)

##
Attaching package: 'dplyr'

The following objects are masked from 'package:stats':

##
filter, lag

The following objects are masked from 'package:base':
##
##
intersect, setdiff, setequal, union

library(ggthemes)
library(devtools)

Loading required package: usethis

library(tidyverse)

— Attaching packages — tidyverse 1.3.2 ## —

library(urbnthemes)

Setting Mac/Linux options...
##
Attaching package: 'urbnthemes'
##
The following objects are masked from 'package:ggplot2':
##
geom_bar, geom_col, scale_color_discrete, scale_color_gradientn,
scale_color_ordinal, scale_colour_discrete, scale_colour_gradientn,
scale_colour_ordinal, scale_fill_discrete, scale_fill_gradientn,
scale_fill_ordinal

devtools::install_github("UrbanInstitute/urbnthemes")

Skipping install of 'urbnthemes' from a github remote, the SHA1 (f6a368d6) has not changed since last install.
Use `force = TRUE` to force installation

devtools::install_github("UrbanInstitute/urbnmapr")

Skipping install of 'urbnmapr' from a github remote, the SHA1 (ef9f4488) has not changed since last install.
Use `force = TRUE` to force installation

setwd("/Users/tomcooklin/Desktop/Capstone")

husa = read.csv("psam_husa.csv")
husb = read.csv("psam_husb.csv")
pusa = read.csv("psam_pusa.csv")
pusb = read.csv("psam_pusb.csv")

hus = rbind(husa, husb)
pus = rbind(pusa, pusb)

data = full_join(hus, pus)

keep <- c("SERIALNO", "REGION", "ST", "HINCP", "ADJINC", "WGTP", "PWGTP", "AGEP", "RAC1P", "RAC2P", "RACBLK", "RAC
WHT", "RELSHIPP", "SEX")
subset = data[keep]

write.csv(subset, file = "subset.csv")</pre>

d = read.csv("subset.csv")

gini = read.csv("gini_index.csv")

states = urbnmapr::states

states = rename(states, "State" = "state_name")

gini_states = left_join(states, gini, by = "State")

gini_states %>%

ggplot(aes(long, lat, group = group, fill = Gini.Index)) +

geom_polygon(color = "#ffffff", size = 0.1) +

coord_map(projection = "albers", lat0 = 39, lat1 = 45) +

labs(fill = "Gini Index") +

theme_void()

Warning: Using `size` aesthetic for lines was deprecated in ggplot2 3.4.0.
i Please use `linewidth` instead.

