R Project Milestone 3

Moyra Rasheed, Courtney Coon, Jarett Maycott

2022-10-28

```
## `summarise()` has grouped output by 'county'. You can override using the
## `.groups` argument.
```

Table with descriptive stats for variables in data dictionary

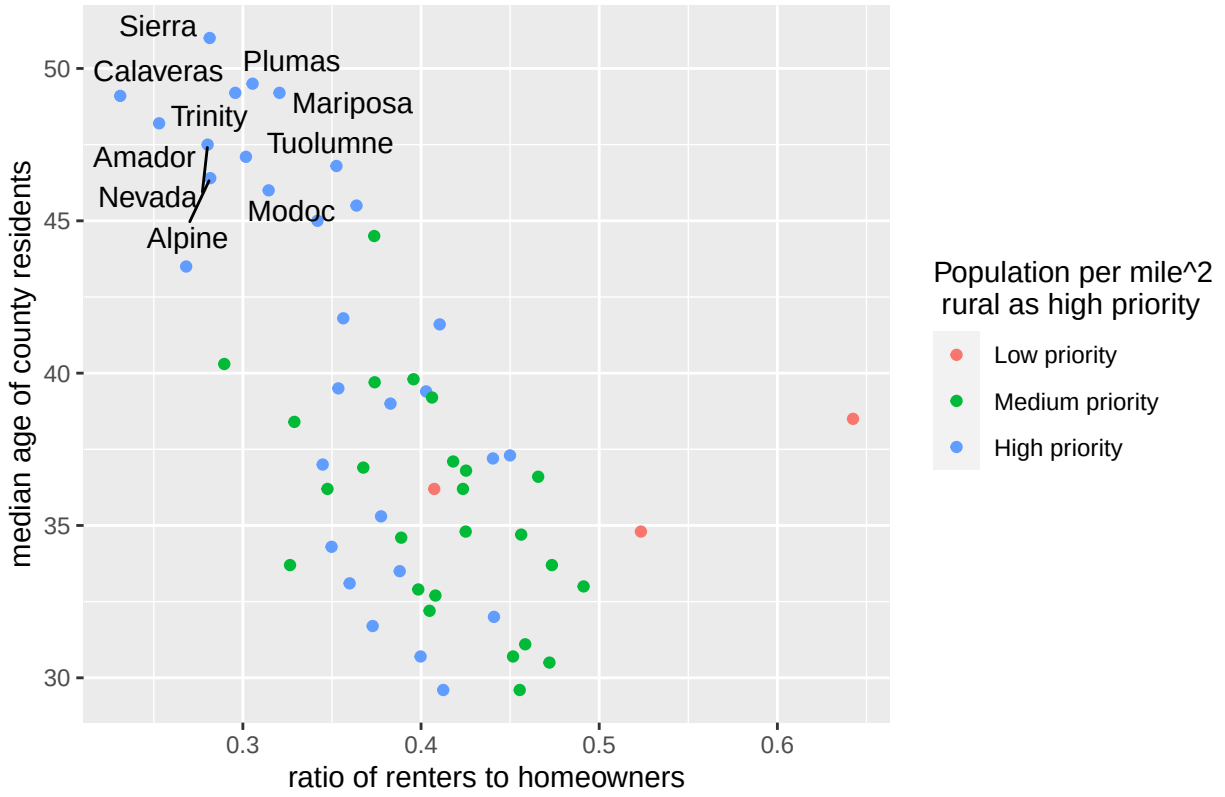
```
# library(kableExtra)

# table<-merged_data%>%
#  rowwise() %>%
#  mutate(number_highs= sum(c_across(2:6) == "High priority", na.rm = TRUE),
#         number_mediums= sum(c_across(2:6) == "Medium priority", na.rm = TRUE),
#         temp_rank=(number_highs*2)+number_mediums
#         )%>%
#   ungroup()%>%
#   arrange(desc(temp_rank))%>%
#   select(-c(number_highs, number_mediums,temp_rank))%>%
#   slice(1:10)
# head(table)
#
# kable(table,
#        col.names = c("County","Chronic disease mortality burden",
#                      "Previous spending on projects",
#                      "Population density", "Median age of population",
#                      "% population that are renters"),
#        caption="Top 10 Counties ranked by need for oshpd projects.",
#        booktabs=TRUE,
#        align='lccccc')%>%
#   kable_styling(latex_options="scale_down")
#
#  table
```

```
library(ggplot2)
library(ggrepel)
```

```
# Demographic data figure

ggplot(data = merged_data, aes(x = renter_ratio, y = med_age)) +
geom_point(data = merged_data, aes(x = renter_ratio, y = med_age,
                                   color = pop12_sqmi_CAT)) +
geom_text_repel(aes(label=ifelse((med_age > 45 & renter_ratio < 0.35),
                                 county, "")))+
  labs(title = "", x = "ratio of renters to homeowners",
       y = "median age of county residents",
       color = "Population per mile^2\n rural as high priority")
```




```
# xlab("ratio of renters to homeowners")+
# ylab("median age of county residents")
```