R-markdown

2023-08-24

```
acs2021 <- load_variables(2021, "acs5", cache = TRUE)
```

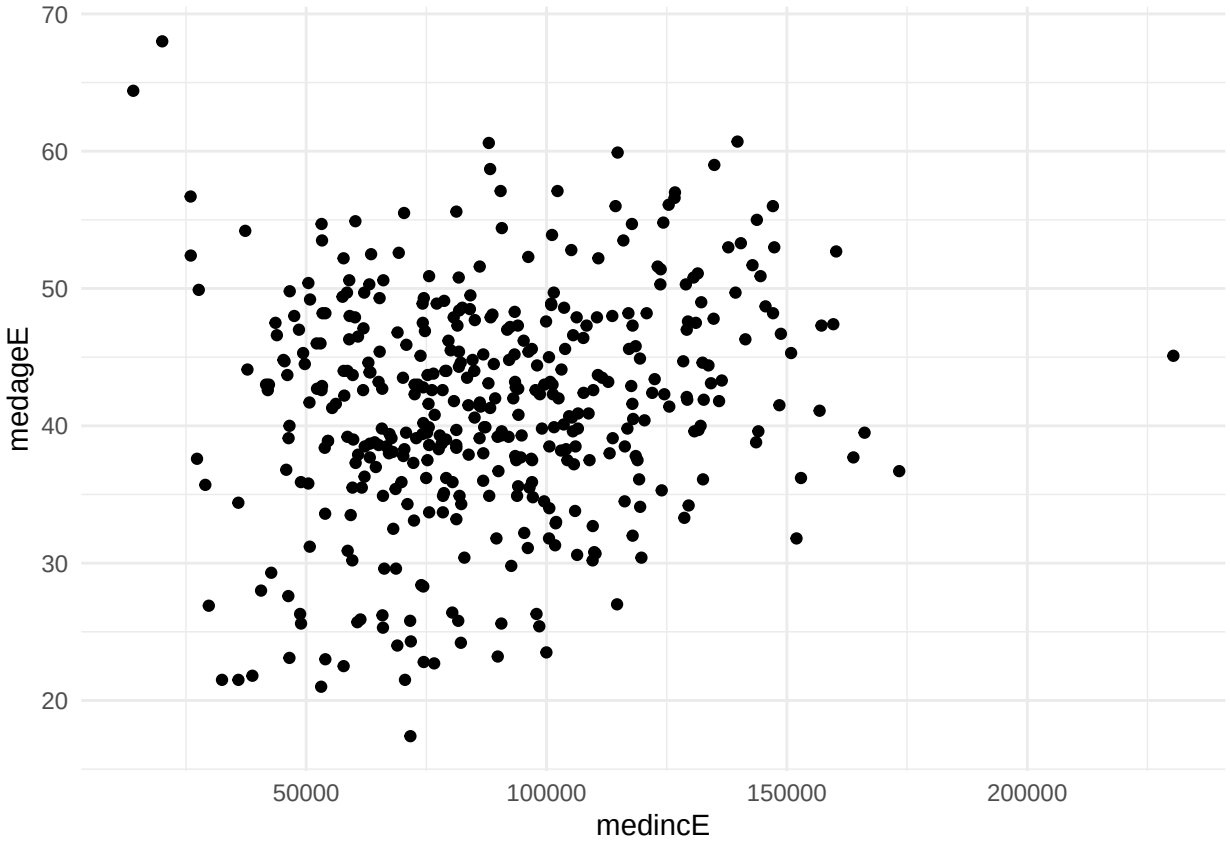
Median income for HI

```
hi_inc_age_wide <- get_acs(
  geography = "tract",
  state = "Hawaii",
  variables = c(medinc = "B19013_001",
                medage = "B01002_001"),
  output = "wide",
  year = 2020
)
```

```
## Getting data from the 2016-2020 5-year ACS
```

```
ggplot(hi_inc_age_wide, aes(x = medincE, y = medageE)) +
  geom_point() +
  theme_minimal()
```

```
## Warning: Removed 44 rows containing missing values (`geom_point()`).
```




```
hi_inc_age_wide <- hi_inc_age_wide %>%
  mutate(county = sub(".*?,\\s*(.*County, .*Hawaii)$", "\\1", NAME))
```

```
income_age_plot <- ggplot(hi_inc_age_wide, aes(x = medincE, y = medageE, color = county, label = NAME))
  geom_point() +
  theme_minimal()
ggplotly(income_age_plot)
```

```
box_plot <- ggplot(hi_inc_age_wide, aes(x = medincE, y = county)) +
  geom_boxplot() +
  theme_minimal()
ggplotly(box_plot)
```

```
## Warning: Removed 44 rows containing non-finite values (‘stat_boxplot()‘).
```