hoco medinc

year = 2019

Getting data from the 2015-2019 5-year ACS

) %>%

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#load libraries

```
library(tidyverse)
 ## -- Attaching packages ----- tidyverse 1.3.1 --
 ## v ggplot2 3.3.5
                       v purrr
                                 0.3.4
 ## v tibble 3.1.6
                       v dplyr
                                 1.0.8
 ## v tidyr
             1.2.0
                       v stringr 1.4.0
            2.1.2
 ## v readr
                       v forcats 0.5.1
 ## -- Conflicts ----- tidyverse_conflicts() --
 ## x dplyr::filter() masks stats::filter()
 ## x dplyr::lag()
                     masks stats::lag()
 library(tidycensus)
 library(ggplot2)
 library(plotly)
 ##
 ## Attaching package: 'plotly'
 ##
    The following object is masked from 'package:ggplot2':
 ##
 ##
        last_plot
 ## The following object is masked from 'package:stats':
 ##
 ##
        filter
 ## The following object is masked from 'package:graphics':
 ##
 ##
        layout
 library(ggbeeswarm)
 library(ggridges)
#create md income variable by calling the get acs function and mutate the attribute table to take out the "Maryland" from all the county names to
make the graph look less crowded
 MD income <- get acs(
                 state = "MD",
                 geography = "county",
                 variables = c(hhincome = "B19013_001"),
```

#plot the md income variable with ggplot using the aes function have the estimates on the x axis and the county names on the y axis. Add error bars with geom_errorbarh(). Add points with geom_point and customize the visualization. Adjust the font size with theme_minimal(base_size = 12) and add a title, subtitle and footnote with the labs() function. Make the estimates show with the dollar sign using scale_x_continuous(labels = scales::dollar).

mutate(NAME = str_remove(NAME, " County, Maryland"))

```
ggplot(MD_income, aes(x = estimate, y = reorder(NAME, estimate))) +
    geom_errorbarh(aes(xmin = estimate - moe, xmax = estimate + moe)) +
    geom_point(size = 2, color = "darkred") +
    theme_minimal(base_size = 12) +
    labs(title = "Median household income",
        subtitle = "Counties in Maryland",
        x = "2015-2019 ACS estimate",
        y = "") +
    scale_x_continuous(labels = scales::dollar)
```

Median household income Counties in Maryland

