Homework 6

Name: Put your name here

I worked with:

Click the "Knit" button in RStudio to knit this file to a pdf.

Problem 1: Crimes

Scrape the table of data found at https://en.wikipedia.org/wiki/List_of_United_States_cities_by_crime_rate and create a plot showing property crime rate (total property crime) vs. violent crime rate (total violent crime). Identify outlier cities by using a plotting command similar to the one below. (Don't blindly use this without thinking about the column names.)

Problem 2: Movie scraping

```
> url <- "https://www.boxofficemojo.com/chart/ww_top_lifetime_gross/?offset=0&area=XWW"
a.
answer:
> # put your code here
b.
answer: write your answer here
> # put your code here
```

 $\mathbf{c}.$

answer:

```
> # put your code here
```

d.

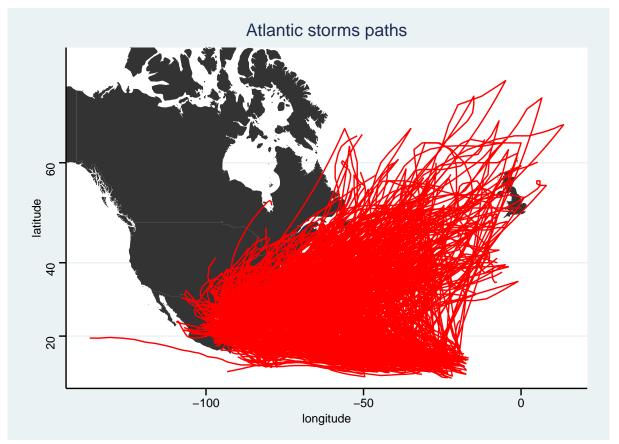
answer: write your answer here

```
> # put your code here
\mathbf{e}.
> temp_url <- "https://www.boxofficemojo.com/chart/ww_top_lifetime_gross/?offset=#&area=XWW"
answer:
> # put your code here
f.
answer:
> # put your code here
Problem 3: Penguins
> library(shiny)
> ui <- fluidPage(</pre>
    plotOutput("plot", height = 500)
+ )
>
> server <- function(input, output){</pre>
    output$plot <- renderPlot({</pre>
      g <- ggplot(penguins, aes(x = bill_length_mm, y = body_mass_g))</pre>
+
      g + geom_point()
+
    })
+ }
> # you can modify the height to avoid scrolling
> shinyApp(ui, server, options = list(height = 600))
```

Error: object 'penguins' not found

a. answer:
 b. answer:
 c. answer:
 d. answer:

Problem 4: Storm paths



a.

answer:

b.

answer: