Final Report

due November 16, 2021 by 11:59 PM

Your names and team name here

Load Packages

```
library(tidyverse)
library(readxl)
```
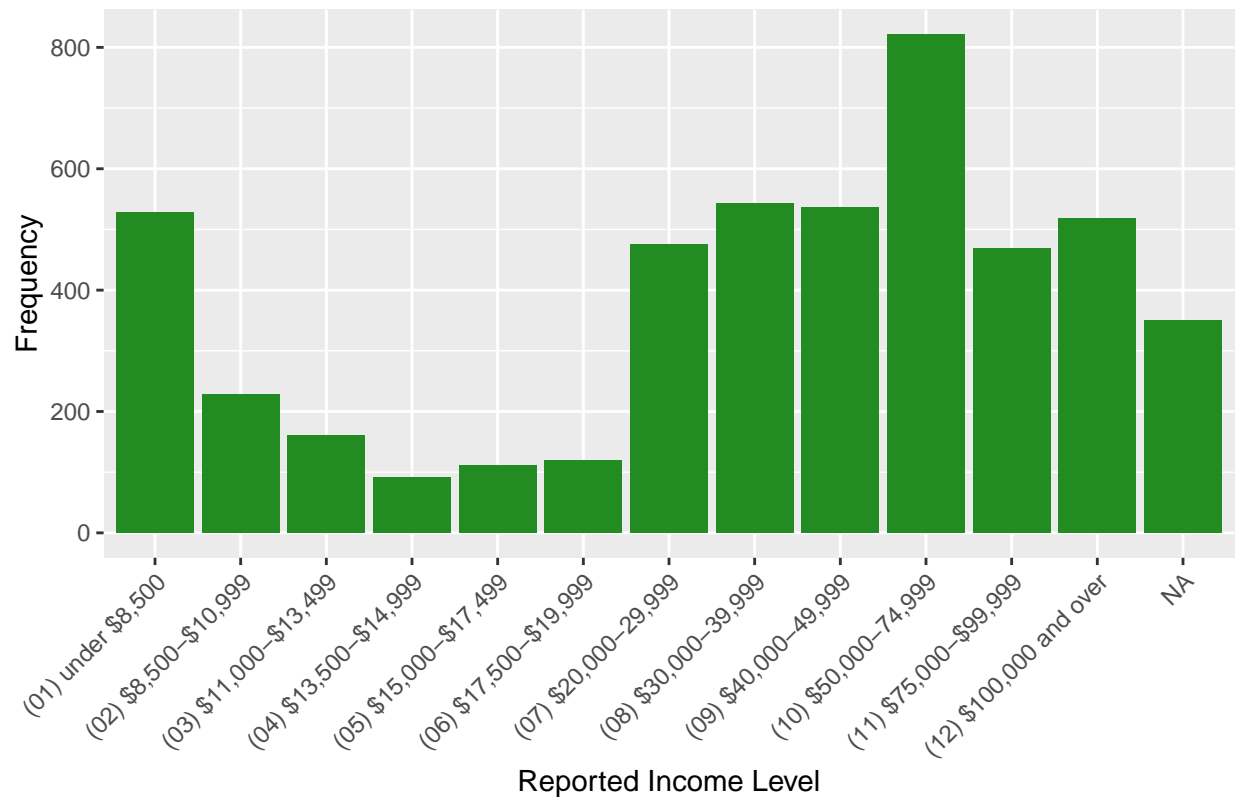
Load Data

```
load(file = "~/sta198/Jackie-Fan-Club/data/ICPSR_34363/DS0001/34363-0001-Data.rda")
#rename file
data <- da34363.0001
```

Data Citation: Battle, Juan, Pastrana, Antonio Jay, and Daniels, Jessie. Social Justice Sexuality Project: 2010 National Survey, including Puerto Rico. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2013-08-09. https://doi.org/10.3886/ICPSR34363.v1
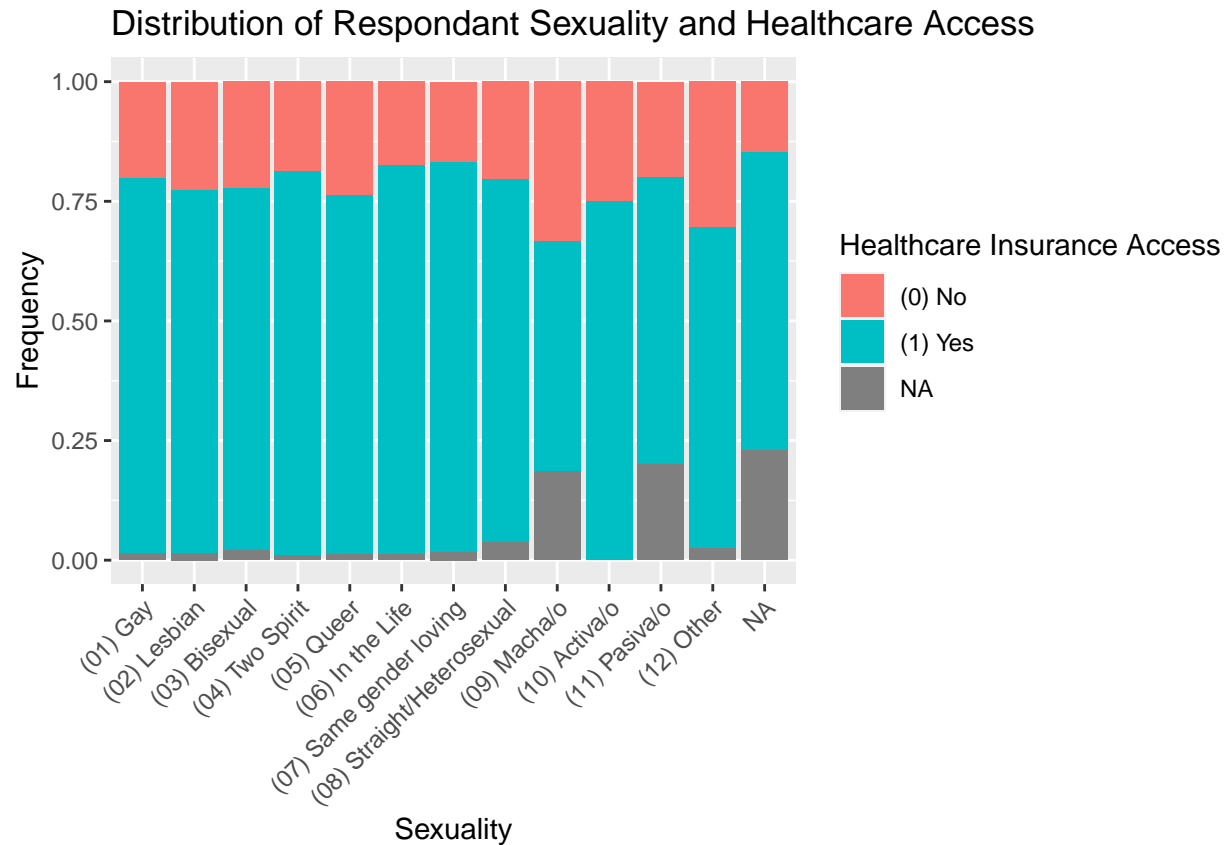
```
dataFiltered <- data %>%
  select(Q15B, Q15C, Q17A, Q17B, Q18A1: Q18A5, Q18C, Q18G, Q18J, Q19A1: Q19A7, Q22A, Q22B, Q25)
```

```
ggplot(dataFiltered, aes(x = Q22B)) +
  geom_bar(fill = "#228b22") +
  labs (
    x = "Reported Income Level",
    y = "Frequency",
    title = "Distribution of Respondant Income Levels",
    ) +
  theme(axis.text.x = element_text(
    angle = 45,
    hjust = 1))
```

Distribution of Respondant Income Levels


```
ggplot(dataFiltered, aes(x = Q18C,
fill = Q17A)) +
geom_bar(position = "fill") +
labs (
x = "Sexuality",
y = "Frequency",
fill = "Healthcare Insurance Access",
title = "Distribution of Respondant Sexuality and Healthcare Access"
) +
theme(axis.text.x = element_text(
angle = 45,
hjust = 1))
```

Distribution of Respondant Sexuality and Healthcare Access


```
ggplot(dataFiltered, aes(x = Q18C,
fill = Q17B)) +
geom_bar(position = "fill") +
labs (
x = "Sexuality",
y = "Frequency",
fill = "Healthcare Provider Access",
title = "Distribution of Respondant Sexuality and Healthcare Access"
) +
theme(axis.text.x = element_text(
angle = 45,
hjust = 1))
```

Distribution of Respondant Sexuality and Healthcare Access