Final Report

due November 16, 2021 by 11:59 PM

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November 2021

Load Packages

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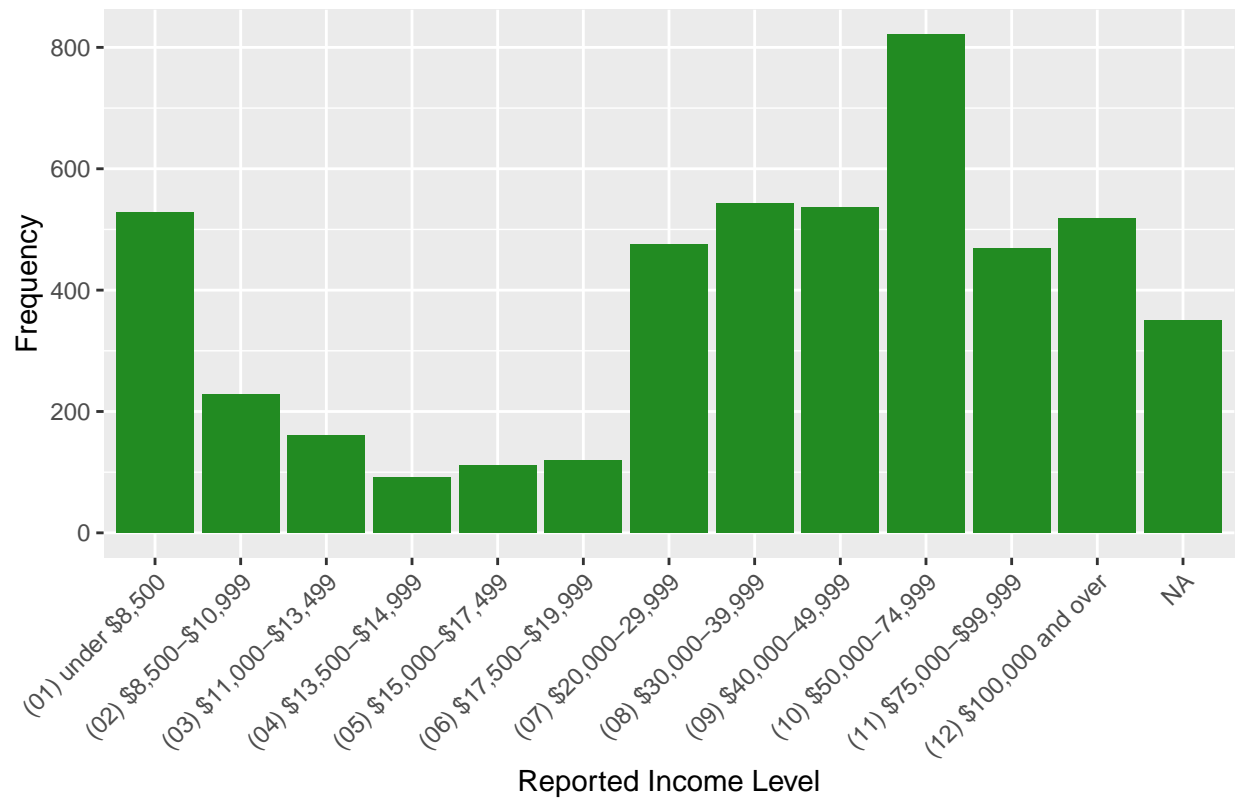
Load Data

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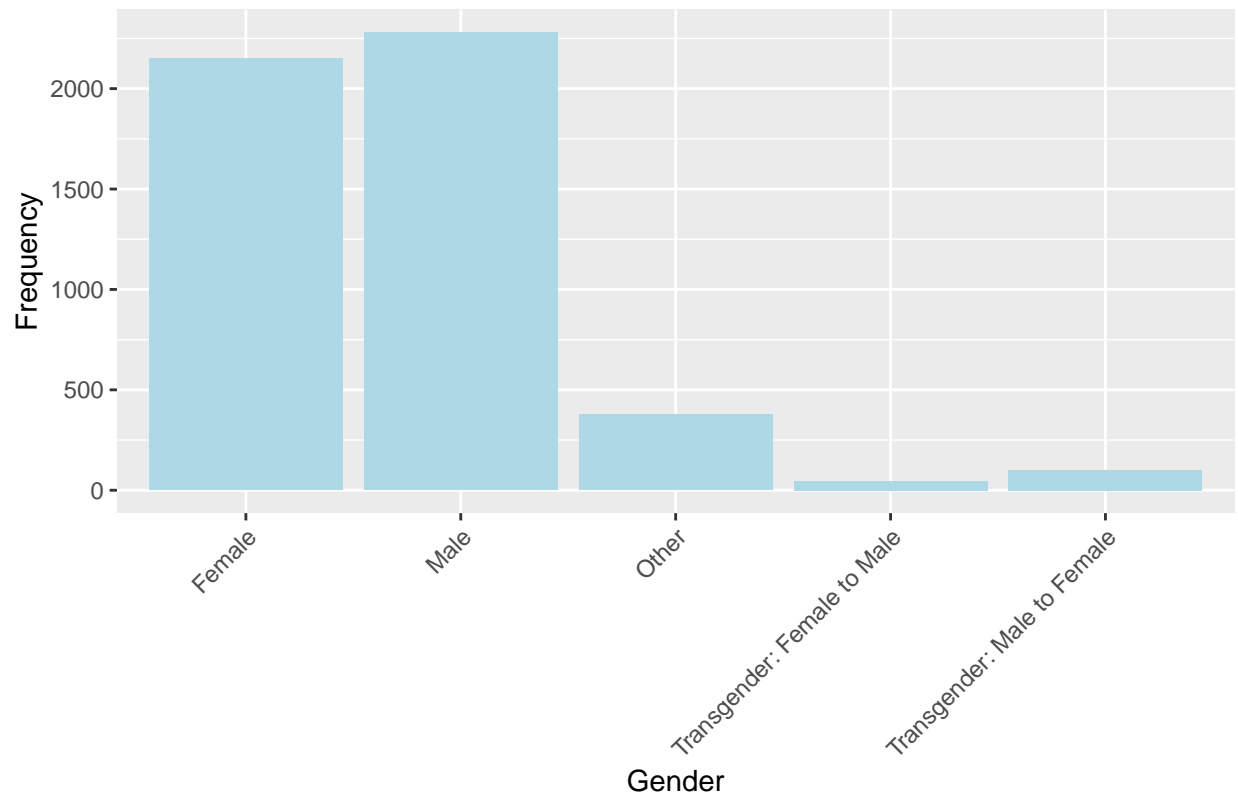
```
ggplot(data, aes(x = income)) +
  geom_bar(fill = "#228b22") +
  labs (x = "Reported Income Level",
        y = "Frequency",
        title = "Distribution of Respondant Income Levels",) +
  theme(axis.text.x = element_text(angle = 45,
                                   hjust = 1))
```

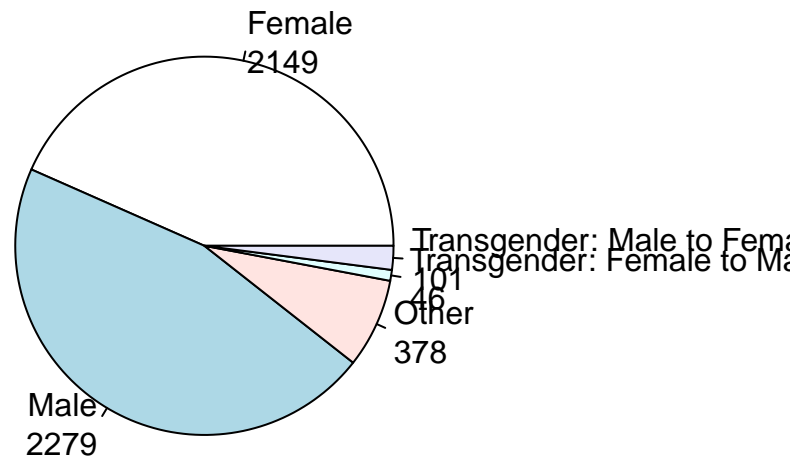## Distribution of Respondant Income Levels


```
ggplot(data, aes(x = gender)) +
  geom_bar(fill = "light blue") +
  labs (x = "Gender",
        y = "Frequency",
        title = "Distribution of Respondant Gender",) +
  theme(axis.text.x = element_text(angle = 45,
                                   hjust = 1))
```
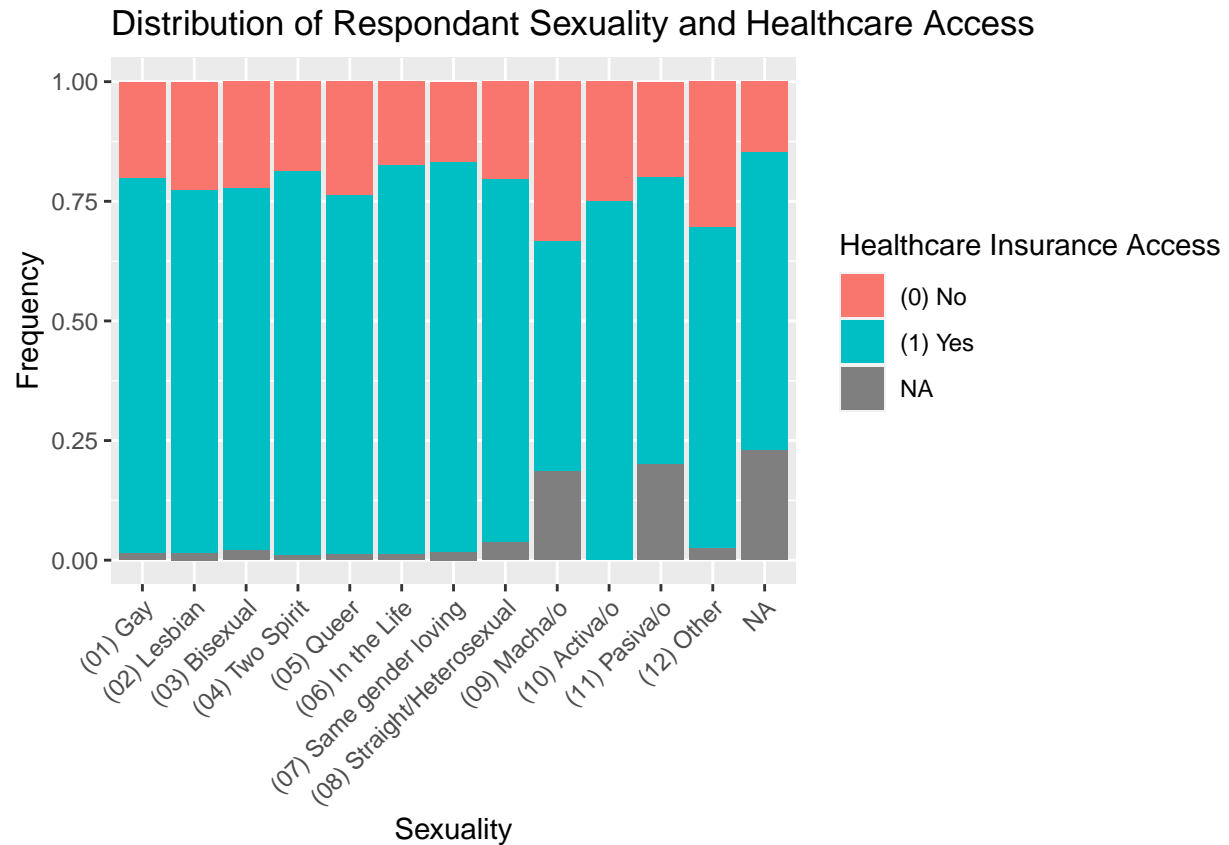
Distribution of Respondant Gender


```r
# Pie Chart with Percentages
gendertable <- table(data$gender)
lbls <- paste(names(gendertable), "\n", gendertable, sep="")
pie(gendertable, labels = lbls,
    main="Pie Chart of Gender Distribution of Respondents")
```
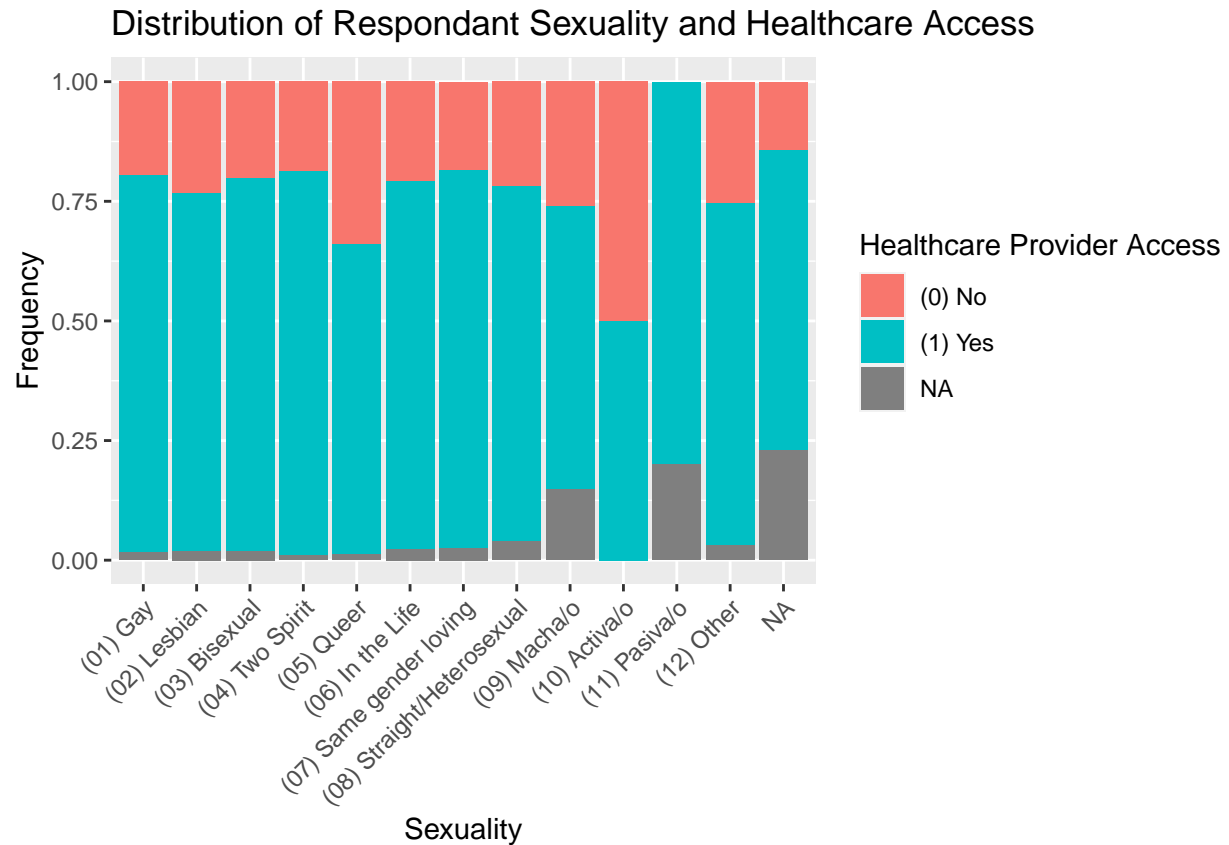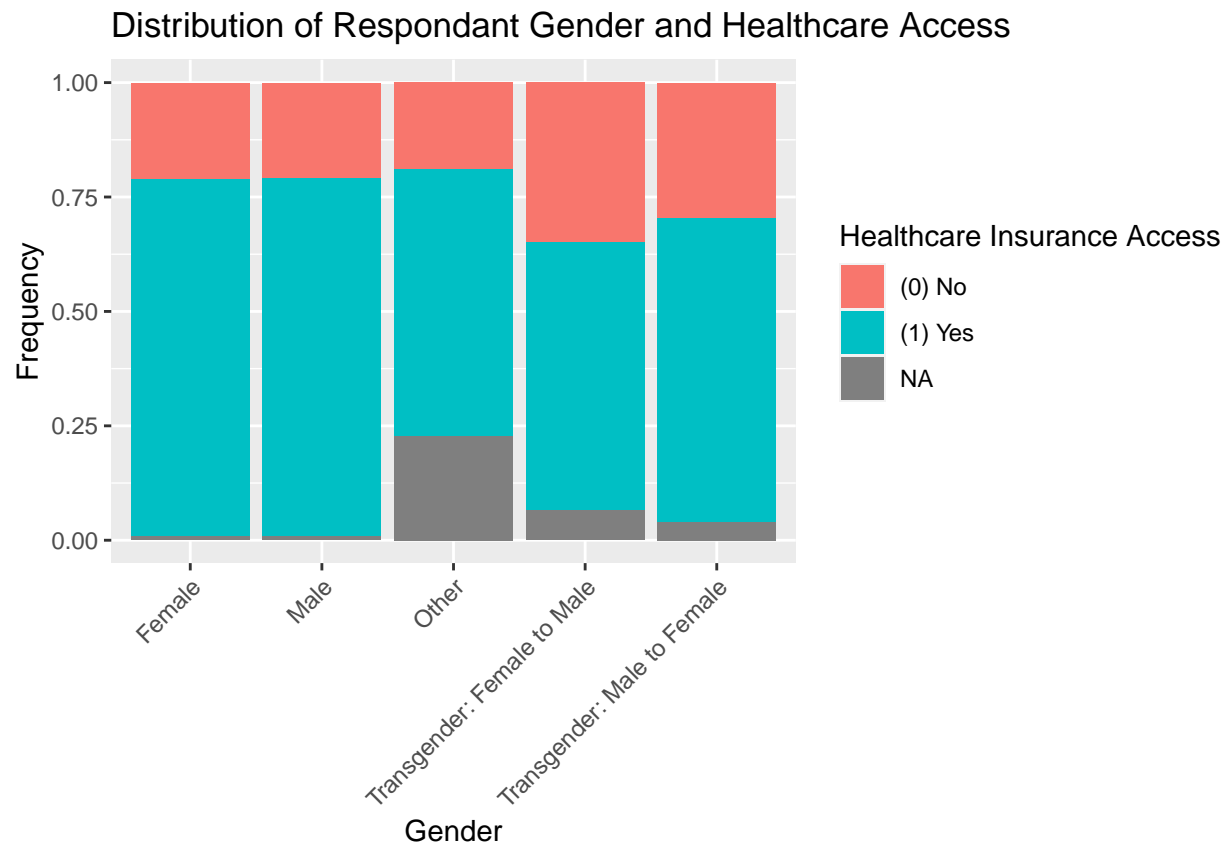
Pie Chart of Gender Distribution of Respondents

Female
2149

Transgender: Male to Fema
Transgender: Female to Ma
101
46
Other
378

Male
2279

```
ggplot(data, aes(x = sexuality,
                     fill = healthInsureAcc)) +
  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(data, aes(x = sexuality,
                       fill = healthProvideAcc)) +
  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


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

Distribution of Respondant Gender and Healthcare Access


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

Distribution of Respondant Gender and Healthcare Access