Problem Set 1

```r
library(tidyverse)

ps1 <- read_csv("https://raw.githubusercontent.com/mjclawrence/soci385_f23/main/data/ps1.c
ps1_long <- read_csv("https://raw.githubusercontent.com/mjclawrence/soci385_f23/main/data/
```

1. In a few sentences, describe any gender differences in who uses Facebook vs who uses Twitter. Consider the proportion self-identifying with each gender who report using the sites as well as the proportion of each site's users self-identifying with each gender.

2. In a paragraph, describe the responses to the get digital news question. Your paragraph should include:

- The overall proportion of respondents reporting each answer
- The proportion of respondents in each age category reporting each answer
- The proportion of respondents in each education category reporting each answer

3. In a few sentences, describe racial/ethnic differences in responses to the group_trust question. What is an additional variable you would want to have in order to explain the relationship between these variables? Why might this additional variable be important? How would you phrase the survey question and possible responses to gather data about this additional variable?

4. Collapse the political ideology responses into three categories: any liberal, moderate, any conservative. In a few sentences, compare differences across these three new categories in responses to the misinformation and government question.

5. Use the ps1_long.csv file to create two figures. In the first figure, show the proportion of respondents using each social media site. In the second figure, show the proportion of users of each site who regularly get news from it. In a few sentences, describe the similarities and differences across these two figures.