Homework 06: Instructions

Summarizing Data

1. Using either the `gng_long.Rds` or the `gng_long_cleaned.Rds` data files (your own or one I shared with you), determine how many go and no-go trials there are for each individual at each wave. Your data frame would look something like the one below.

```
  id_subject  wave target total_trials
  <chr>      <dbl> <chr>         <dbl>
1 FAQAAW         1 Go                ?
2 FAQAAW         1 No-Go             ?
3 FAQAAW         2 Go                ?
4 FAQAAW         2 No-Go             ?
5 FAQAAW         3 Go                ?
6 FAQAAW         3 No-Go             ?
```

2. Take the following `list()` and edit it so that your summary table will include the mean, median, and standard deviation. Make sure your functions can handle `NA` values.

```
summarize_across <- list(
    mean = ~mean(.x, na.rm = TRUE) # or mean(na.omit(.x))
    )
```

2. Using the `gng_long_cleaned.Rds` data, aggregate your data by participant, wave, and trial type (e.g, go vs. no-go trials). Then generate a summary data frame containing the mean, median, and standard deviation across `accuracy` and `rt` so that you have the summary statistics for each participant, at each wave, and for both go and no-go trials. Remove the grouping structure so that if you assign it to an object or write the data frame, it is not grouped.

3. Using the `sspan_long_cleaned.Rds` data, generate a summary data frame containing the mean, median, and standard deviation across `sspan` and `totalcorrectsquares` by wave.