Name:_____   Date:_____

End of Unit 1 Project
Evaluating Claims from the Media

Congratulations! You are on your way to becoming a Data Scientist. You have now learned some basic statistics concepts - along with RStudio skills - to help you analyze and interpret data. It is time to apply what you have learned so far.

You will apply what you have learned by engaging in the following:

1. Use an article from the list provided below OR find an article, report, blog post, etc. in a magazine, newspaper, or other media related to the topic of nutrition or time use that makes a claim. Use an article we have not used in class.
   a. *Child Nutrition in America Today: A New Look at a Crisis of Our Own Making*
      https://link.gale.com/apps/doc/A724157086/GPS?u=lnoca_brecksv&sid=bookmark-GPS&xid=f72e0a60
   b. *Americans Are Eating More Ultra-Processed Foods*
      https://www.nyu.edu/about/news-publications/news/2021/october/ultra-processed-foods.html
   c. *2022 Food and Health Survey Spotlight: Snacking*
      https://foodinsight.org/survey-spotlight-snacking/
   d. *Screen Time Statistics: Average Screen Time by Country*
      https://www.comparitech.com/tv-streaming/screen-time-statistics/
   e. *Gallup: Teens Spend More Time On Social Media Than On Homework*
      https://www.forbes.com/sites/bradadgate/2023/10/18/gallup-teens-spend-more-time-on-social-media-than-on-homework/

2. Analyze the article or report based on the following questions:
   a. What claim(s) did the article make?
   b. What statistical questions were they trying to answer?
   c. Does the article cite data? If so:
      i. Who was observed and what were the variables observed?
      ii. Who collected the data?
      iii. How was the data collected?
      iv. What are some statistics that the article used to make the claim(s)?
   d. If there was no data, how did the article justify its claim?

3. Determine whether the class's Food Habits or Time Use campaign data supports, refutes, or is inconclusive of the claim(s) the article makes.

4. Use RStudio to do your analysis using either the Food Habits or Time Use campaign data and create graphics/plots that support your reasoning.

5. Generate other statistical questions that you would like to investigate further after you reach your conclusion.

6. Write a summary of your analysis that is no more than 4 pages long. Include graphics/plots/tables that provide evidence to support your reasoning. Be sure to include everything in items 1-5.

7. Prepare a 2-minute presentation of your report. Make sure you refer to your graphics/plots/tables during your presentation.