Mini-Assignment 2

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# Instructions

The purpose of this mini assignment 2 is to provide you with an opportunity to digest the class material through hands-on exercises.

**To complete this assignment, follow the directions below:**

1. Prepare the yelp data you downloaded for Mini-Assignment 1.
2. Tidy your data by:

* Delete duplicated rows.
* Flatten nested columns that have multiple variables in one column. If the nested column is empty, you don’t need to flatten it.
* Delete rows that have missing data in *coordinates* variable. It’s okay to have NAs in other variables.

1. Tell a short story or findings that interests you (~200 words max). For example, questions you may consider in your story can include (but not limited to):

* Has the story/findings changed before and after the tidying the data?
* What’s the most frequent rating score? Does that seem to be related with review\_count?
* (if your Yelp data has price variable) is there any distributional pattern to expensive vs. cheap POIs? Do you think rating and price have some associations?
* Do you think there is any pattern between the household income and Yelp rating? To answer this question, you will need to also consider Census data.

**Again, the questions above are just examples; none of them are mandatory!**

# Logistics

1. Write your report and R code in a R Markdown document.
2. Use the Knit button in R Studio to render it as a HTML document.
3. Publish the rendered document to RPubs.
4. Submit the URL of the RPubs document through Canvas by **9/23/2022 Friday midnight (11:59 PM on Friday).**
5. To submit, go to Canvas > Assignments > Mini assignment 2.
6. Grades and feedback will be posted through Canvas.

# Notes

Try Knitting your R Markdown document and publishing it on RPubs early. This is to ensure you’d have time to troubleshoot if you encounter technical issues.

You can always replace a published document (i.e., republish) or delete the existing one and publish it as a new document.