Mini-Assignment 1

Bon Woo Koo & Subhrajit Guhathakurta

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# Logistics

1. Write your report and R code in R Markdown document.
2. Use Knit button in R Studio to render it as HTML document.
3. Publish the rendered document to RPubs.
4. Submit the URL of the RPubs document through Canvas by **9/16/2022 Friday midnight (11:59 PM on Friday).**
5. To submit, go to Canvas > Assignments > Mini assignment 1.
6. Grades and feedback will be posted through Canvas.

# Mini-Assignment 1

The purpose of this mini-assignment is to provide you with an opportunity to digest the class material through hands-on exercise. Try to make sure that following contents are reflected in your submission.

1. Choose two categories of businesses. See the [Yelp API documentation](https://www.yelp.com/developers/documentation/v3/business_search) if you need help with the choice.
   * Because you will have Yelp business information for two different categories, you may need to merge them into a single data frame by using bind\_rows().
2. Choose a county within the US. Use tidycensus package to download Census Tract polygons.
3. Write R codes to get business data from Yelp using yelpr package for the selected county & business category/term. Make sure you leave comments using hash tags (#) to explain what each code chunk is doing.
4. Map the locations of business using the downloaded data.
5. Answer the following questions:
   * How many businesses are there in total?
   * How many businesses are there for each business category or term?
   * Upon visual inspection, can you see any noticeable spatial patterns to the way they are distributed across the county (e.g., clustering of businesses at some parts of the county)?
   * (Optional) Is there any other interesting findings?

# Notes

Try Knitting your R Markdown document and publishing it on RPubs early. This is to ensure you 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.