# Lab 6 Instructions

## In this lab you will clean two data files

## To get started

1. Insert a comment with your name and your favorite holiday.

2. You will need to load the library "tidyverse" in order to complete this.

3. You should also make sure that avocados.csv and ramen.csv are both in your working directories.

## Clean the Ramen Data using the attached file ramen-ratings.csv

1. Read the data from the CSV file into a tibble and display it.

2. Rename the Stars column to Rating.

3. Convert the Style column to the factor type.

4. Drop the Country column.

5. Rename the Brand column to Company and the Variety column to Product.

6. Display the tibble to make sure your code worked correctly. Also, make a note of the number of rows in the tibble.

7. Use the duplicated() and filter() functions to display all duplicate rows.

8. Drop all duplicate rows. Then, display the tibble to get a count of the number of rows, and compare that with the original number of rows to see how many were dropped.

9. Display all rows that have missing values.

10. Drop any rows that have missing values.

11. Display the tibble to make sure your code worked correctly.

## Clean the Avocado Data using the attached avocado.csv file

1. Read the data from the CSV file into a tibble and display the first five rows.

2. Use the str() function to view the column names and data types for the table.

3. Display the value counts for the region column, and note that one of the regions is TotalUS.

4. Drop the rows that have a region of TotalUS.

5. Check to see if any of the rows have missing values.

6. Rename the type, year, and region columns to Type, Year, and Region.

7. Convert the Date column to the Date type and the Type column to the factor type.

8. Display the tibble to make sure your code worked correctly.

9. Save your R script as lastnamelab6 and submit for grading.