# Lab 5 Plot the ramen data

## The data file

ramen-ratings.csv

## Tasks

1. Read the data from the CSV file into a tibble and display it. To do that, you can use the read\_csv() function like this:

ramen <- read\_csv("ramen-ratings.csv")

1. Create a bar plot that shows the count of rows for each style.
2. Create a box plot that shows the distribution of the Stars values for each style.
3. Modify the plot you just created to only use data from the USA.
4. Create a new tibble that only contains data from Japan, India, Taiwan, and the USA. Then, create a boxplot that shows the distribution of stars by style for each country on a subplot with two subplots per row.
5. Create a histogram of the tibble you created in step 5 that uses 12 bins to display the distribution of the Stars values.
6. Insert comments below each of your ggplot() commands in your RScript listing at least one observation you noted from each of the 3 plots you created.
7. At the top of your script insert a comment that includes your name, and the name of a famous person you admire.

Export your plots as images from steps 2, 4, and 6. Save them as lastname1, lastname2 and lastname3 and save your R script as lastnamelab5

Attach all four of your files for grading.

## How It Will Be Graded:

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| --- | --- | --- |
| Requirement | Point Value | Total |
| R script completed with properly running ggplot commands to produce the plots | 6 commands coded to read the CSV file, create the plots, an additional tibble, and modify one plot @ 7 points each | 42 |
| At least 3 observations regarding your plots, coded as comments in your R script file. | 3 observations, based on each of the 3 plots @ 4 points each | 12 |
| 4 files named properly, and a comment inserted into the script as instructed in step 8. |  | 4 |
|  |  | 60 |