# Lab 8 More visualization for the ramen data

## The data file

ramen-ratings.csv

## Tasks

1. Read the data from the CSV file into a tibble and display it.
2. Create a tibble named ramen\_stats that groups the data by style and calculates the mean stars and standard deviation for each style.
3. Create a bar plot that displays the mean stars for each style.
4. Add error bars to the bar plot created in the previous step and use the standard deviation of the stars to determine the length of the error bar.
5. Create a plot that displays a map of the world.
6. Create a tibble named mean\_ratings that contains the mean number of stars for each country.
7. Create a scatter plot using the mean\_ratings tibble. Using Country as the x-axis, MeanRating as the y-axis and color = country.
8. Improve the appearance of the scatter plot by adding a title. The title should be your name, and removing the labels, ticks, and text for the x and y axes.

How it will be graded.

| Step | Point Value |
| --- | --- |
| 1 | 4 points |
| 2-8 | 8 points each |
| Total | 60 points |