b. Visualization

```{r personal data visualization}

# load data
my_data <- read_csv("~/Desktop/ENVS-193DS/ENVS-193DS_homework-03/data/193DS Data - Sheet1.csv") # reading in my data

my_data$`Day of the Week` <- factor(my_data$`Day of the Week`,
                                    levels = c("Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday", "Sunday")) # formating to list days of the week in order


ggplot(data = my_data, # using the data frame my_data
       aes(x = `Day of the Week`, # 2. naming the aesthetics: the x-axis should be the day of the week
           y = Steps)) + # the y-axis should be step count
  geom_boxplot(fill = "lightblue", color = "darkblue") + # 3. the plot should be a boxplot and changes the inside and outline color of the boxes
  stat_summary(fun = mean, geom = "point", shape = 20, size = 3, color = "red") + # Add mean points
  labs(x = "Day of the Week", # relabeling the x-axis
       y = "Steps", # and the y-axis
       title = "Step Count Patterns Across the Week") + # adding a title

  theme_minimal() # changing the theme from default
```