Tutorial 02

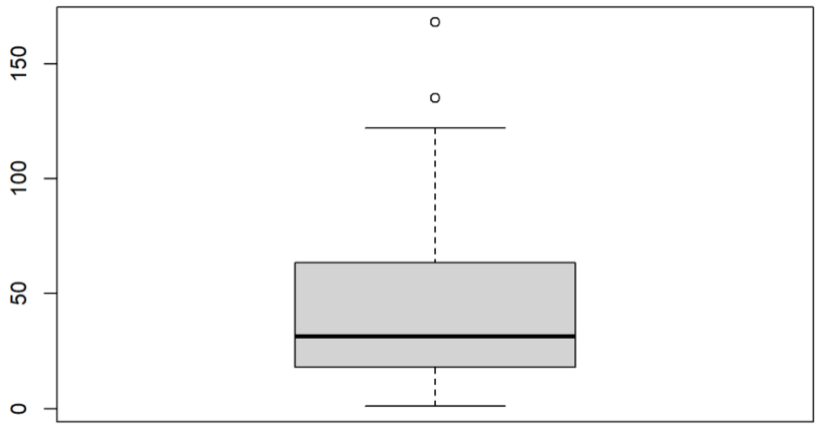
1. Upload the built-in dataset called **'airquality'** in R Studio

2. Write the relevant code to display the entire dataset.

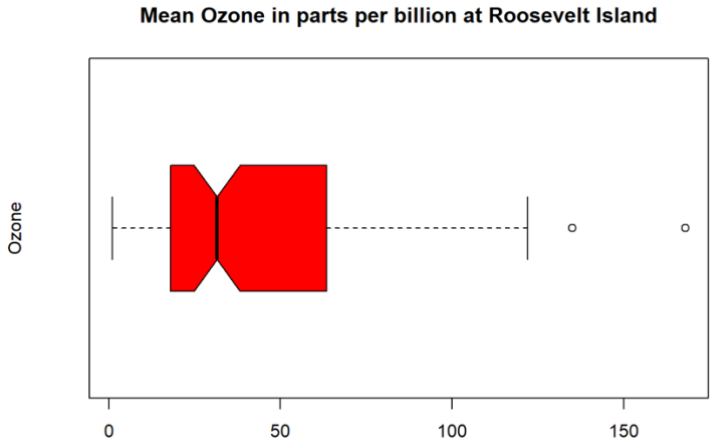
3. Display the first and last five rows of data in the dataset.

4. Display an overview of the dataset, including statistics such as the mean, median, minimum, maximum, and so on.

5. Create a boxplot to visualize statistical measures, including the median, quartiles, and potential outliers for the Ozone column.



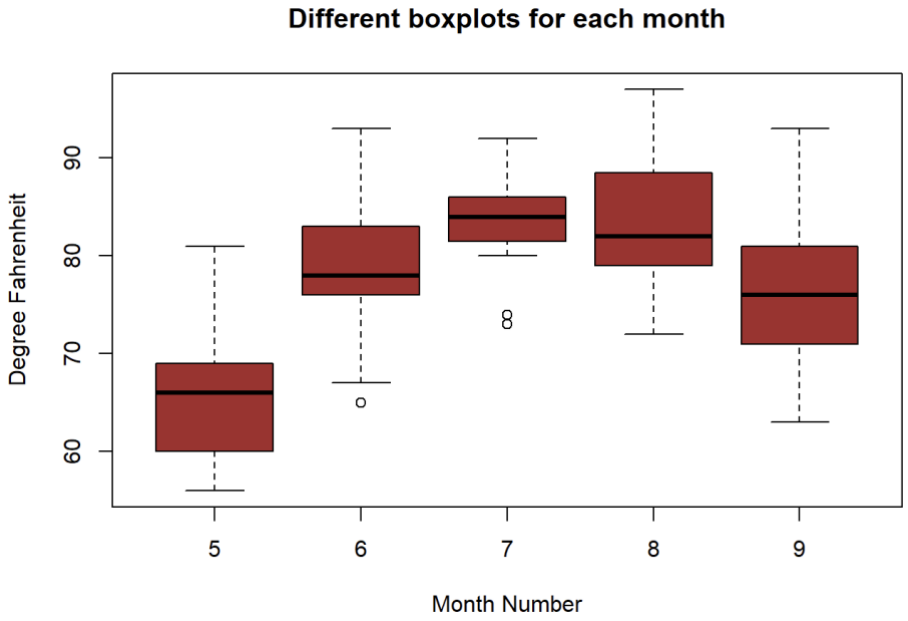
6. Customize the implemented boxplot by including a title and color scheme to resemble the diagram below.



7. Describe the Ozone column data by looking at the bloxplot.

8. Create a boxplot to display the temperatures of each month (use boxplot formula).

```
boxplot(Temp~Month,
data = airquality,
main = "Different boxplots for each month",
xlab = "Month Number",
ylab = "Degree Fahrenheit",
col = "brown",
border = "black"
)
```



Practice question

1. Consider the following numbers,

   11, 22, 20, 4, 29,8, 35, 27, 13, 49,10, 24, 17

   1.1. Find the median

   1.2. Find the Q1,Q2,Q3 quartiles

   1.3. Construct a box plot to represent min, max, outliers, median, Q1, and Q3 values.