**Case Study: Pollutant Data set**

1. What is the mean of “Temp” when “Month” is equal to 6?
2. How many observations are there in the given data?
3. Print last two rows of the data.
4. What is the value of Ozone in 47th row?
5. How many values are missing in Ozone column?
6. What is the mean of Ozone column excluding missing values?
7. Extract the subset of rows of the data frame where Ozone values are above 31 and Temp values are above 90.
8. What is the mean of Solar.R in this subset?
9. What was the maximum ozone value in the month of May (i.e., Month is equal to 5)?

**Outputs:**

**Graphical user interface, text, application

Description automatically generated**

**Case Study: Hair Eye color Data set**

1. How many people have brown eye color ?
2. How many people have blonde hair?
3. How many Brown haired people have Black eyes?
4. What is the percentage of people with green eyes?
5. What percentage of people have red hair and blue eyes?

**Outputs:**

Graphical user interface, text, application

Description automatically generated

**case study : Germination data set**

1. What is the average number of seeds germinated for the uncovered boxes with level of watering equal to 4?

mean(dataset3$germinated[dataset3$Box == "Uncovered" & dataset3$water\_amt == 4])

1. What is the median value for the data covered boxes?

**Outputs:**

**Graphical user interface, text, application, email

Description automatically generated**

**Boxplot**

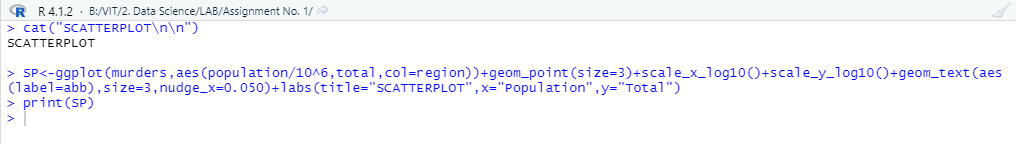
**Graphical user interface, text

Description automatically generated**

**Chart, box and whisker chart

Description automatically generated**

**Scatterplot**

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**Chart, scatter chart

Description automatically generated**