

Faculty of Computing

Year 2 Semester 1 (2025)

IT2120 - Probability and Statistics

Lab Sheet 04

IT24610829 Kuruneru Y.G

```
setwd("C:\\Users\\it24610829\\Desktop\\it24610829")
##Q1

branch_data <- read.table("Exercise.txt",header = TRUE , sep = ",")

fix(branch_data)

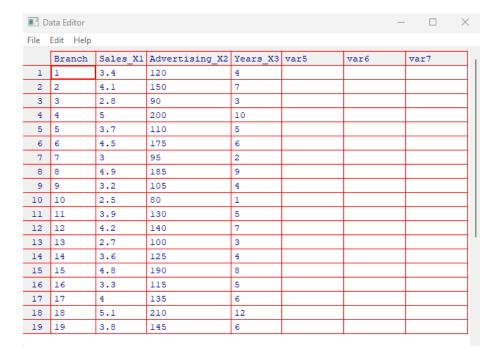
attach(branch_data)

g</pre>
```

```
> setwd("C:\\Users\\it24104234\\Desktop\\IT24104234")
> 
> # Import dataset
> branch_data <- read.table("Exercise.txt", header = TRUE)
> |
```

Q1

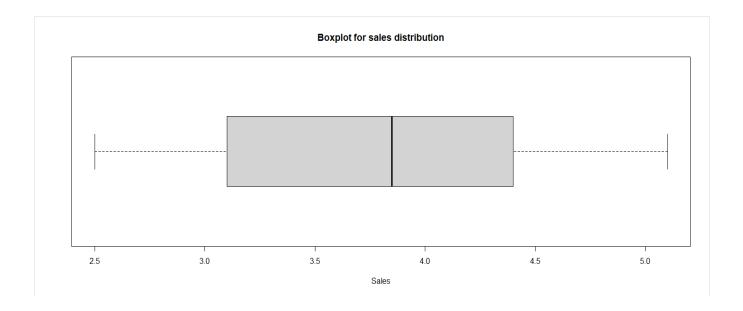
```
##Question 01
branch_data <- read.table("Exercise.txt", header = TRUE, sep = ",")
fix(branch_data)
attach(branch_data)</pre>
```



Q2

Q3

```
##Question 03
boxplot(Sales_X1,main="Boxplot for sales distribution",xlab="Sales",outline=TRUE,outpch=8,horizontal=TRUE)
```



Q4

Q5

```
##Question 05s
find_outliers <- function(x) {
   Q1 <- quantile(x, 0.25)
   Q3 <- quantile(x, 0.75)
   IQR <- Q3 - Q1

  lower_bound <- Q1 - 1.5 * IQR
   upper_bound <- Q3 + 1.5 * IQR

   outliers <- x[x < lower_bound | x > upper_bound]
   return(outliers)
}
find_outliers(Years_X3)
```