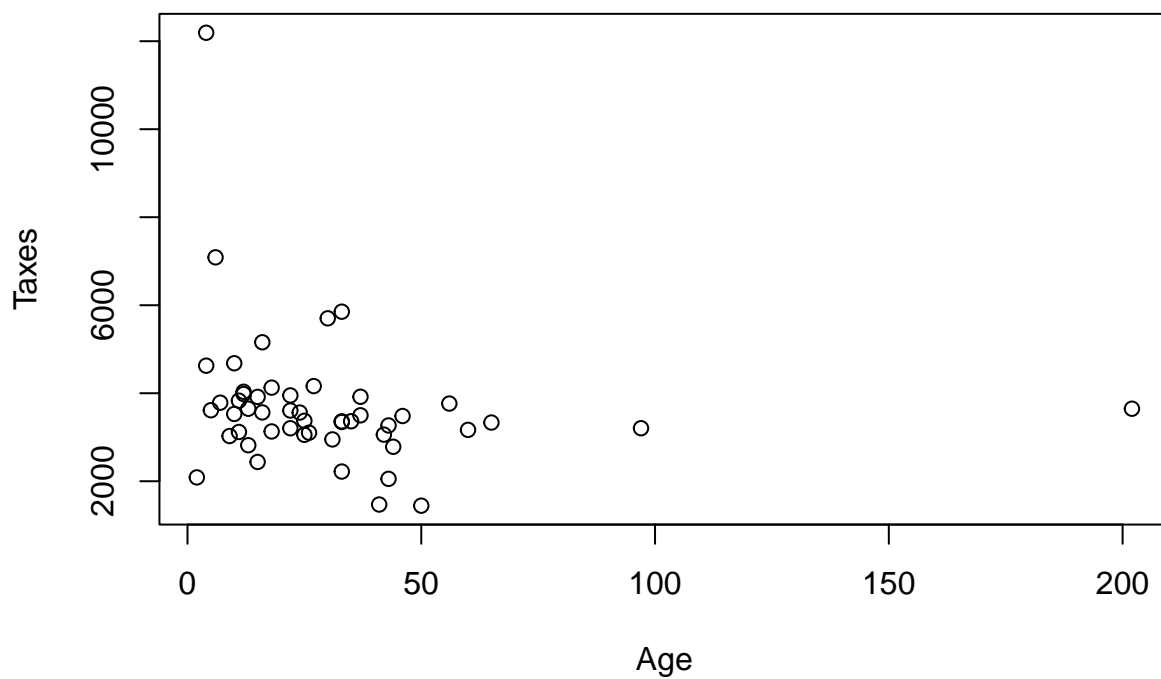# Assignment 01

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2023-11-13

Step 1: Read my own .csv

Assign : Load your own .csvfile into R, report the dimension of your data frame, then generate a scatter plot using the plot()function.

```r
data <- read.csv("../Data/mycsv.csv")
data_dim <- dim(data)
cat("The dim of mycsv is : ", data_dim)
plot(x = data$Age, y = data$Taxes, xlab = "Age", ylab = "Taxes")
```



```
## The dim of mycsv is :  51 9
```

Step 2: A loop to calculate the mean value

Assign : Write a loop to calculate the mean value of a random numeric vector of length 50

```r
random_data <- rnorm(50,0,1)
len <- length(random_data)
value <- 0
for (i in random_data) {
  value <- value + i
}
mean_value <- value / len
cat("The mean value of the random numeric vector is : ",
    mean_value
)
```

```
## The mean value of the random numeric vector is :  -0.03507097
```