

title: "FML assignment" author: "Manasa Akkinapally" date: "2023-09-10" output: html_document —

```
knitr::opts_chunk$set(echo = TRUE)
```

```
#Manasa Akkinapally  
#Kent ID : 811286356  
#FML Assignment
```

```
data("airquality")  
View(airquality)
```

```
#mean  
mean(airquality$Temp)
```

```
## [1] 77.88235
```

```
#median  
median(airquality$Temp)
```

```
## [1] 79
```

```
#mode  
mode<-function(x){  
  n<-table("airquality")  
  which.max(n)  
}  
mode(airquality$Temp)
```

```
## airquality  
##          1
```

```
#range  
range(airquality$Temp)
```

```
## [1] 56 97
```

```
#standard deviation  
sd(airquality$Temp)
```

```
## [1] 9.46527
```

```
#variance  
var(airquality$Temp)
```

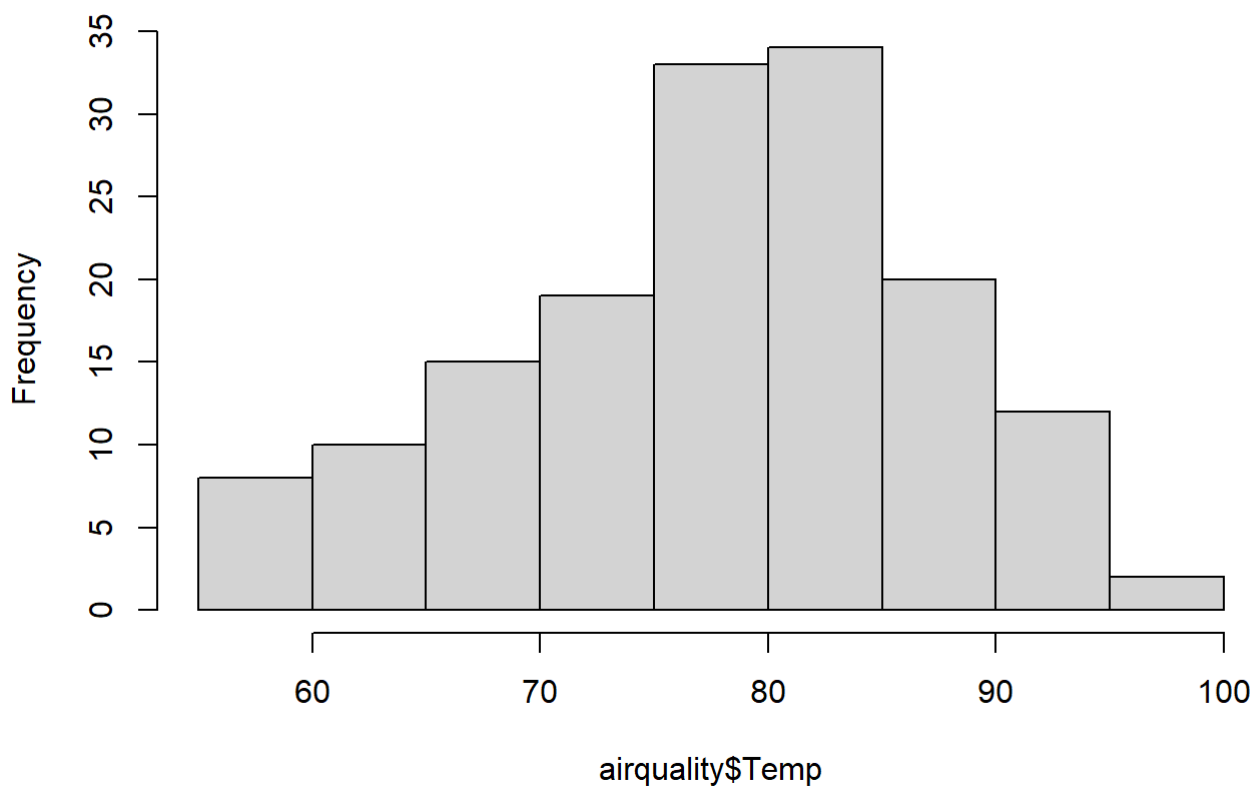
```
## [1] 89.59133
```

```
#summary  
summary(airquality)
```

```
##      Ozone      Solar.R      Wind      Temp  
## Min.   : 1.00   Min.   : 7.0   Min.   : 1.700   Min.   :56.00  
## 1st Qu.: 18.00   1st Qu.:115.8   1st Qu.: 7.400   1st Qu.:72.00  
## Median : 31.50   Median :205.0   Median : 9.700   Median :79.00  
## Mean   : 42.13   Mean   :185.9   Mean   : 9.958   Mean   :77.88  
## 3rd Qu.: 63.25   3rd Qu.:258.8   3rd Qu.:11.500   3rd Qu.:85.00  
## Max.   :168.00   Max.   :334.0   Max.   :20.700   Max.   :97.00  
## NA's   :37      NA's   :7  
##      Month      Day  
## Min.   :5.000   Min.   : 1.0  
## 1st Qu.:6.000   1st Qu.: 8.0  
## Median :7.000   Median :16.0  
## Mean   :6.993   Mean   :15.8  
## 3rd Qu.:8.000   3rd Qu.:23.0  
## Max.   :9.000   Max.   :31.0  
##
```

```
#histogram  
hist(airquality$Temp)
```

Histogram of airquality\$Temp



```
#scatter plot  
x= airquality$Temp  
y= airquality$Wind  
plot(x,y,main = "temperature and wind",xlab = "value",ylab = "scale")
```

