

Ak's intro to R

Basic arithmetics syntax : ## Vectors

```
vector <- c(1,2,3,4,5)
```

Mean

Mean is basically average.

```
vector <- c(1,2,3,4,5)  
mean(vector)
```

```
## [1] 3
```

Strings

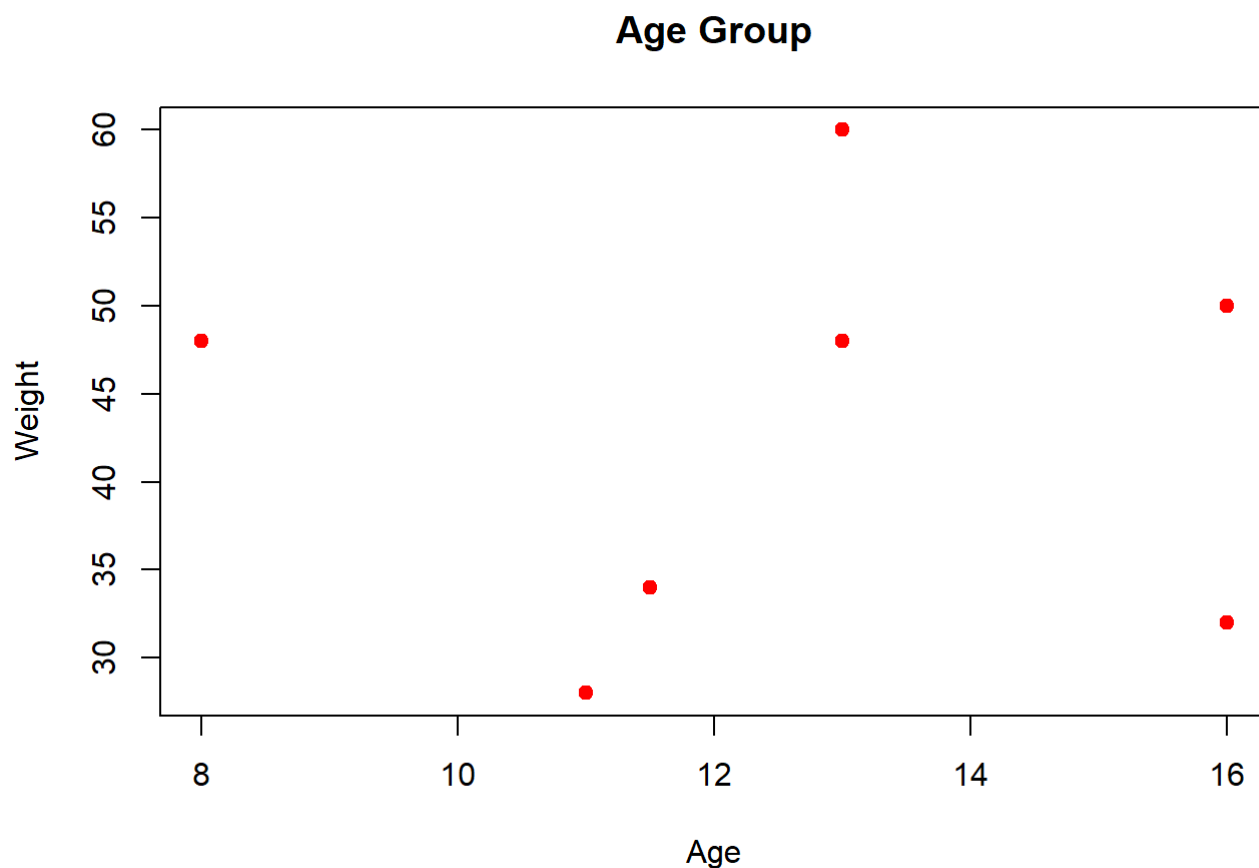
We learnt that vectors can hold strings

```
String <- c("Akshat", "Nodnat", "Tahska")
```

Plot

Below is an example of scatter plot

```
age <- c(13, 13, 16, 16, 11.5, 11, 8)  
weight <- c(48, 60, 50, 32, 34, 28, 48)  
plot(x=age,y=weight, main="Age Group", xlab = "Age",  
      ylab = "Weight", pch=19, col="red")
```



Matrix

Below is an example of a basic matrix. A matrix is basically a double array.

```
mat.Akshat = matrix(1:8, 2, 4)
dim(mat.Akshat)
```

```
## [1] 2 4
```

Histograms

Below we can find the codes we need to graph a histogram.

```
hist(c(4:25),5)
```

Histogram of c(4:25)

