

# Matrices

```
m<-matrix(nrow=2, ncol=3)
m
```

```
##      [,1] [,2] [,3]
## [1,]   NA   NA   NA
## [2,]   NA   NA   NA
```

```
dim(m)      #dimension of matrix
```

```
## [1] 2 3
```

```
m<-matrix(1:6, nrow=2, ncol=3)
m
```

```
##      [,1] [,2] [,3]
## [1,]    1    3    5
## [2,]    2    4    6
```

```
m<-1:10
dim(m)<-c(2,5)
m
```

```
##      [,1] [,2] [,3] [,4] [,5]
## [1,]    1    3    5    7    9
## [2,]    2    4    6    8   10
```

```
x<-1:3
y<-10:12
cbind(x,y)
```

```
##      x  y
## [1,] 1 10
## [2,] 2 11
## [3,] 3 12
```

```
rbind(x,y)
```

```
##      [,1] [,2] [,3]
## x      1    2    3
## y     10   11   12
```