BI-5270 13th March 2019:

Precision:

Fraction of relevant instances among the retrieved instances.

Precision=relevant/retrieved;

Recall:

Fraction of relevant instances retrieved over the total amount of instances.

Recall=relevant/total;

Example 1:

10 dogs -> 8 Dogs are retrieved. -> But only 5 are actual dogs.

Recall= 5/10;

Precision=5/8;

Example 2:

* Total Searches=80.
* Retrieved=40.
* Relevant=20
* Recall=20/80=0.25
* Precision=20/40=0.5

> x<-c(1,2,4)

> x+c(5,0,-1)

[1] 6 2 3

> x/c(5,4,-1)

[1] 0.2 0.5 -4.0

> x%%c(5,4,-1)

[1] 1 2 0

> y<-c(1.2,3.9,0.4,0.1)

> y

[1] 1.2 3.9 0.4 0.1

> y[c(1,3)]

[1] 1.2 0.4

> y[c(1:3)]

[1] 1.2 3.9 0.4

> x<-c(4,2,17,5)

> y<-c(x[c(1,1,3)])

> y

[1] 4 4 17

> z<-c(5,12,13)

> z[c(-1)]

[1] 12 13

> z[c(-1:-2)]

[1] 13

> u<-c(5,2,8)

> v<-c(1,3,9)

> u>v

[1] TRUE FALSE FALSE

> sb<-c(12,5,13)

> sb+4

[1] 16 9 17

> matrix(1:9,byrow=TRUE,nrow=3)

[,1] [,2] [,3]

[1,] 1 2 3

[2,] 4 5 6

[3,] 7 8 9

> matrix(1:9,byrow=FALSE,nrow=3)

[,1] [,2] [,3]

[1,] 1 4 7

[2,] 2 5 8

[3,] 3 6 9