**INPUT :**

#define dataset

data <- c(2,4,4,7,8,12,14,15,19,22)

#calculate sample variance

var(data)

#determine length of the data

n <- length(data)

#calculate population Variance

var(data)\*(n-1)/n

**OUTPUT :**

> var(data)

[1] 46.01111

> var(data)\*(n-1)/n

[1] 41.41