

## Lab 2 Deliverable

In a rmarkdown file, write your own functions to compute the variance of a numeric vector. The sample variance is defined as,

$$\text{Var}(x) = \frac{1}{n-1} \sum_{i=1}^n (x_i - \bar{x})^2$$

where  $\bar{x} = (\sum_i^n x_i)/n$  is the sample mean. The corresponding function form should be like: (\* Note: your function should be echoed in the output file)

```
varFun <- function(x) {  
  1- get the number of elements  
  2- calculate the mean  
  3- calculate the square error  
  4- calculate and print variance  
}
```

Print the varFun(6:36)

```
Print varFun(6:36)
```

Knit your rmarkdown file into Pdf and please submit **ONLY Pdf**