

phanthihonghuong
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```
## [1] 1.4858743 2.9494605 4.6837433 6.1981536 7.0304771 6.9777485 6.1559248
## [8] 4.8878043 3.5281060 2.3344301 1.4257981 0.8086312

#2.4-5 (a)
x <- c(1,1,2,2,2,2,3,3,3,3,3,4,4,4,4,4,4,4,5,5,5,5,5,5,5,5,5,5,6,6,6,6,6,6,6,6,7,7,7,7,7,8,8,8,9,9)
#Sample mean
mean(x)

## [1] 4.955556

#Sample variance
var(x)

## [1] 4.134343

#2.4-5 (b)
#Binomial distribution
#nf(x)
(function(x){45*dbinom(x, 30, 0.1652)})(0:9)

## [1] 0.1998415 1.1864094 3.4043185 6.2877399 8.3989683 8.6428483 7.1264501
## [8] 4.8351957 2.7509298 1.3307218

#Poisson distribution
#nf(x)
(function(x){45*dpois(x, 4.9956, log = FALSE)})(0:9)

## [1] 0.3045447 1.5213833 3.8001113 6.3279454 7.9029710 7.8960163 6.5742232
## [8] 4.6917414 2.9297579 1.6262109
```