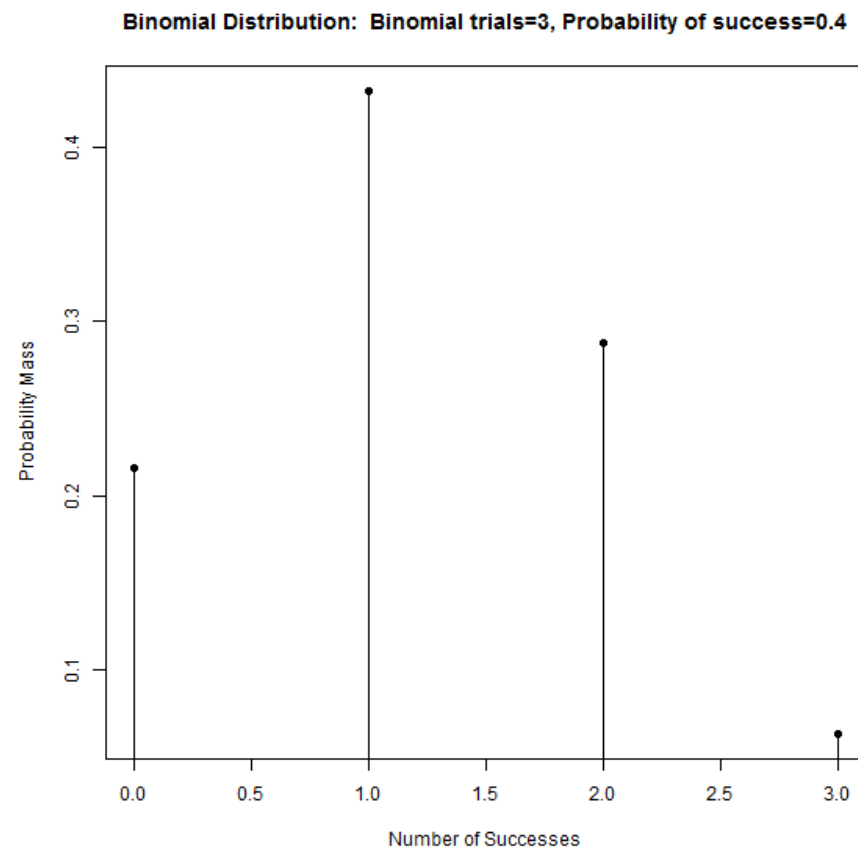# Binomial - Store

MP

2015-05-14

```
> setwd("D:/Dropbox/R/2015-NUS/Session-1/(b) R-Functions/Binomial-Store")
```

```
> local({
+   .x <- 0:3
+   plotDistr(.x, dbinom(.x, size=3, prob=0.4), xlab="Number of Successes",
+   ylab="Probability Mass",
+   main="Binomial Distribution:  Binomial trials=3, Probability of success=0.4",
+    discrete=TRUE)
+ })
```


Binomial Distribution: Binomial trials=3, Probability of success=0.4

```
> local({
+   .Table <- data.frame(Probability=dbinom(0:3, size=3, prob=0.4))
+   rownames(.Table) <- 0:3
+   print(.Table)
+ })
```

```
  Probability
0       0.216
1       0.432
2       0.288
3       0.064
```

```
> pbinom(c(2), size=3, prob=0.4, lower.tail=TRUE)
```

```
[1] 0.936
```