

## Lab 06

```
> setwd('D:/Other/University/LabSheet/2Y_1st_SEM/PS/Lab06')
> dbinom(x = 40, size = 42, prob = 0.2)
[1] 6.058749e-26
> pbinom(35, 44, 0.92, lower.tail = TRUE)
[1] 0.007252274
> 1-pbinom(37, 44, 0.92, lower.tail = TRUE)
[1] 0.9412233
> pbinom(37, 44, 0.92, lower.tail = FALSE)
[1] 0.9412233
> pbinom(42, 44, 0.92)-pbinom(39, 44, 0.92)
[1] 0.6025556
> dpois(6, 5)
[1] 0.1462228
> ppois(6, 5, lower.tail = FALSE)
[1] 0.2378165
```

## Exercise

```
> setwd('D:/Other/University/LabSheet/2Y_1st_SEM/PS/Lab06')
> pbinom(46, 50, 0.85, lower.tail = FALSE)
[1] 0.04604658
> 1-pbinom(46, 50, 0.85)
[1] 0.04604658
> dpois(15, 12)
[1] 0.07239112
>
```