

Probability and Statistics - IT2120

LAB 6 – IT24103583

1)

1). Binomial

2).

```
1-pbinom(46,50,0.85,lower.tail = TRUE)
pbinom(46,50,0.85,lower.tail = FALSE)

> 1-pbinom(46,50,0.85,lower.tail = TRUE)
[1] 0.04604658
> pbinom(46,50,0.85,lower.tail = FALSE)
[1] 0.04604658
```

2).

1). Number of calls per hour

2). Poisson distribution

```
3). dpois(15,12)

> dpois(15,12)
[1] 0.07239112
```