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Module - PS

Lab 06

Exercise

1)

i.

```
Console Terminal x Background Jobs x
R 4.5.1 · ~/
> #Part 1
> #Binomial Distribution
> #Random variable X has binomial distribution with n==50 and p=0.85
>
```

ii.

```
Console Terminal x Background Jobs x
R 4.5.1 · ~/
> #Part 2
> 1-pbinom(46,50,0.85,lower.tail = TRUE)
[1] 0.04604658
> |
```

2)

i. & ii.

```
Console Terminal x Background Jobs x
R 4.5.1 · ~/
> #Part 1
> #Number of calls receives by the call center on a given hour
> #Poisson distribution
> #Random variable X has poisson distribution with lambda = 12
> |
```

iii.

```
Console Terminal x
R R 4.5.1 · ~/
> #Part 3
> dpois(15,12)
[1] 0.07239112
> |
```