

Assignment 1

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Roll Number:

Q1.

a)

```
> print(norm.m)
[1] 0.001675343

> print(norm.var)
[1] 0.9963271
```

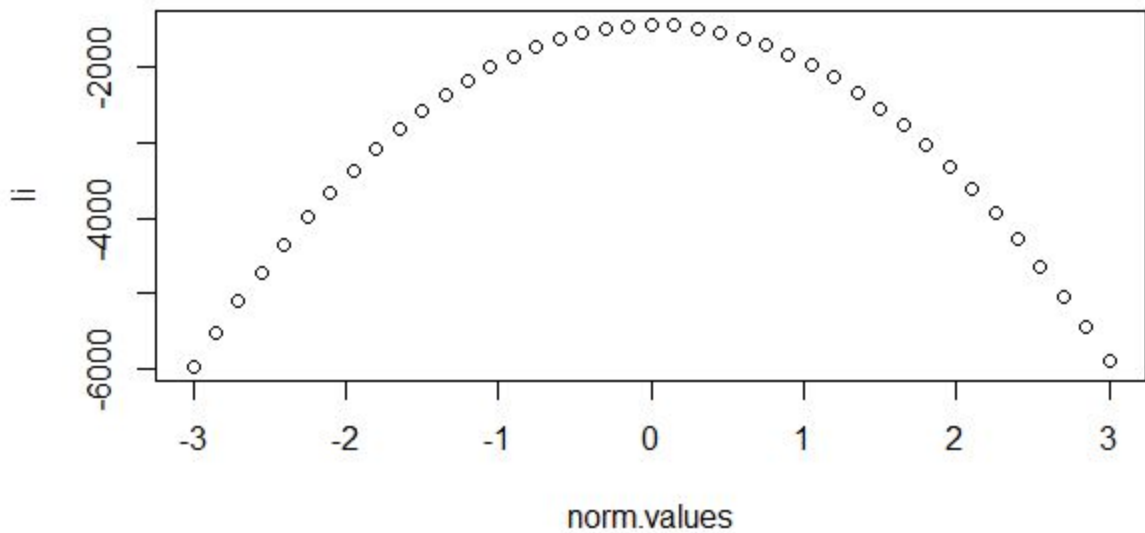
Distribution was made by parameters mean=0 and standard deviation =1.
Estimated mean for this normal distribution came 0.006 which is almost 0
Estimated variance came 0.996 which is almost 1

b)

```
> print(ml[1])
$par
[1] 0.001674836 0.998162234
```

maximum likelihood estimate of the unknown parameters too came almost 0 & 1

c)

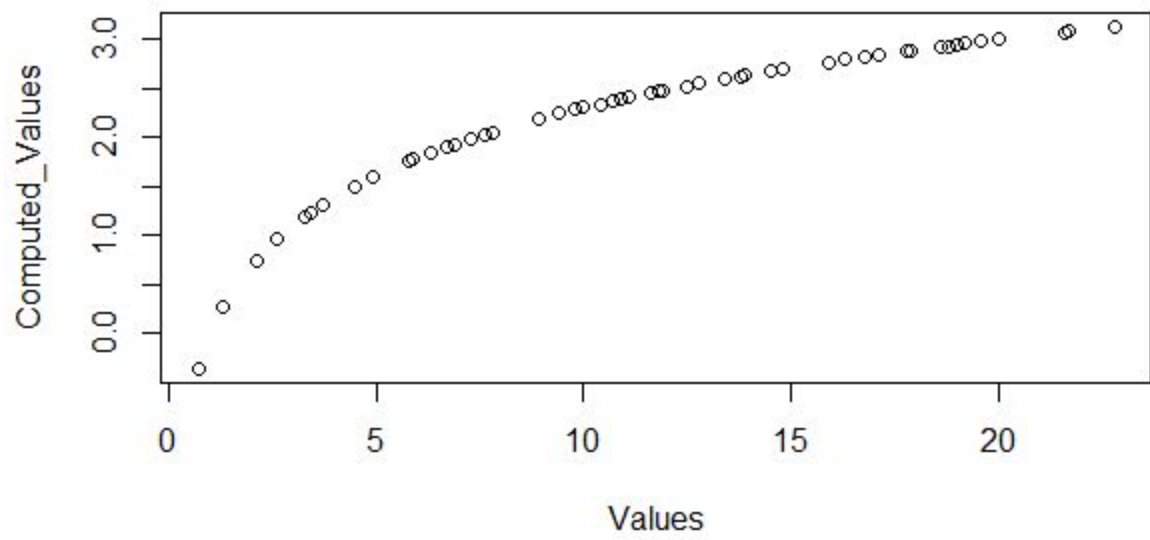


Q2

a)

```
> print(values[length(values)])  
[1] 22.8
```

b)



Q3

a)

```
> print(mlle)
[1] 0.6138735

> print(loglikelihood.geom)
[1] -1086.517
```

b)

