

ex4

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2024-09-30

```
mostrai = rf(100, 3,6)
mostrai
```

```
## [1] 0.75099593 0.59354380 1.47787258 0.95846720 0.08880599 1.81405717
## [7] 1.22049440 0.26017815 0.08754437 1.35649894 0.46182919 0.40547690
## [13] 0.17862891 1.01613110 1.41801452 0.16319205 0.73984335 0.53169494
## [19] 0.28571328 0.48710960 0.26691161 1.53236673 0.24764889 0.34184957
## [25] 0.93053183 1.56563095 2.02900460 0.18619887 0.32690135 1.91664776
## [31] 1.24155041 0.53558875 5.37311017 7.46595447 0.63059696 0.99240314
## [37] 5.02834662 1.12637932 12.16372473 0.56888290 4.43921174 20.01603307
## [43] 0.20287601 1.36058478 0.95521352 0.09052055 0.09130948 0.28906966
## [49] 0.20890373 0.43080178 0.23687418 0.78521071 1.88776327 0.13429710
## [55] 1.01659542 0.60705750 4.18327033 1.36315973 0.98994392 1.35241778
## [61] 1.91633313 0.83138706 0.88599818 0.28087800 0.73690713 0.91856334
## [67] 0.24930536 1.24657789 2.41311288 0.87649671 0.40927843 0.53948571
## [73] 3.55354448 1.75107089 2.08453032 0.98782271 0.29768169 1.42720662
## [79] 0.48549363 1.63244038 0.54753871 0.90960604 1.87438805 0.51897728
## [85] 2.49970324 2.02237652 0.26913211 0.62009794 0.74099355 0.35040611
## [91] 1.05964242 2.51049627 2.86911759 0.25235916 0.72996656 1.55186748
## [97] 0.31660303 0.15906939 4.38596749 0.19566141
```

```
mean(mostrai)
```

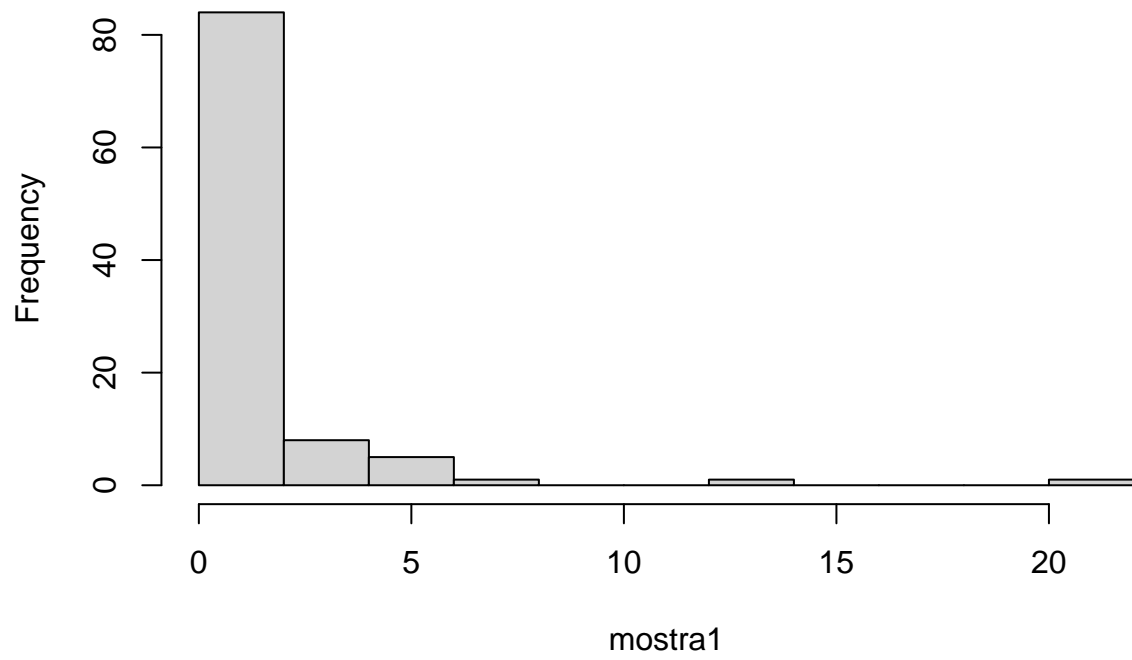
```
## [1] 1.473155
```

```
var(mostrai)
```

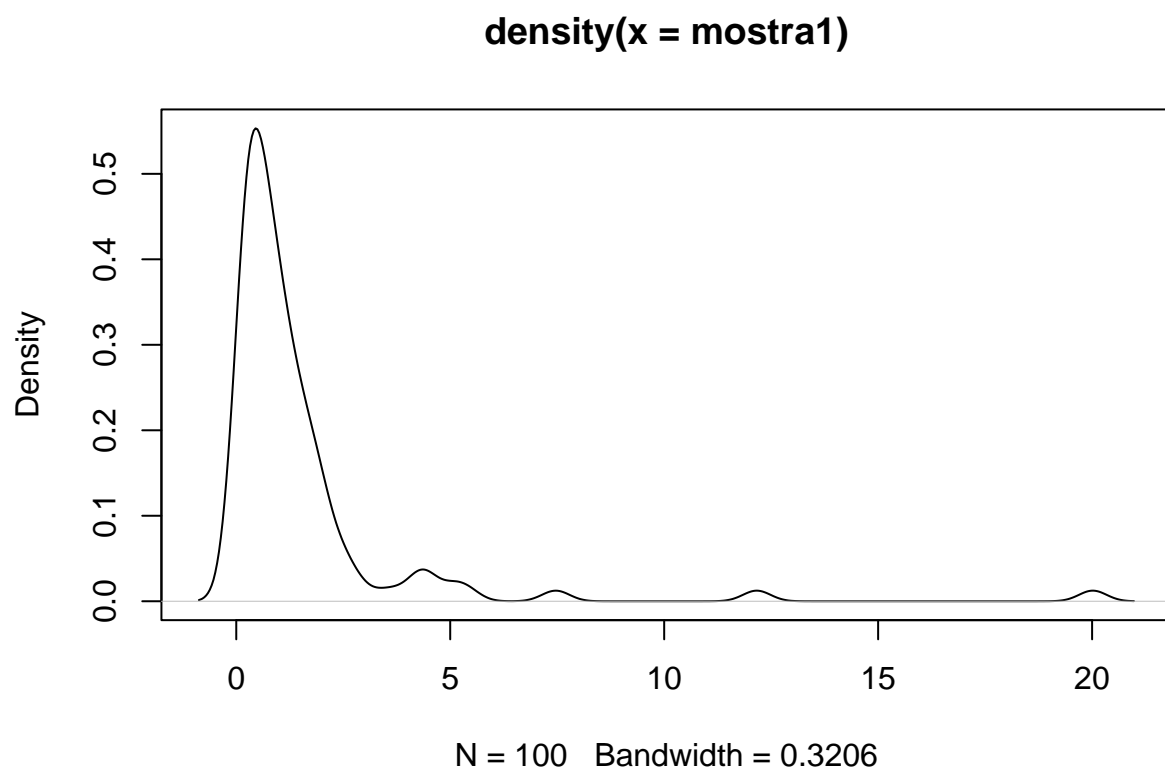
```
## [1] 6.281823
```

```
hist(mostrai)
```

Histogram of mostra1



```
plot(density(mostra1))
```



```
pf(3.5, 3, 6)
```

```
## [1] 0.9104003
```

```
qf(0.8, 3, 6)
```

```
## [1] 2.11259
```

```
qf(.95, 5, 10)
```

```
## [1] 3.325835
```

```
qf(.05, 10, 5)
```

```
## [1] 0.3006764
```

```
qf(.05, 10, 5)-1
```

```
## [1] 3.325835
```

```
qf(.5, 10, 10)
```

```
## [1] 1
```

```
qf(.5, 25, 25)
```

```
## [1] 1
```

```
y = rnorm(50)  
hist(y, xlim=c(-3, 3), prob=T)  
curve(dnorm, col="red", add=T)
```

