

```
In [2]: x <- rnorm(n = 500, mean = 1, sd = 1)
```

```
In [3]: a <- mean(x)
a
```

1.00890528886661

```
In [4]: v <- var(x)
v
```

0.956967296577714

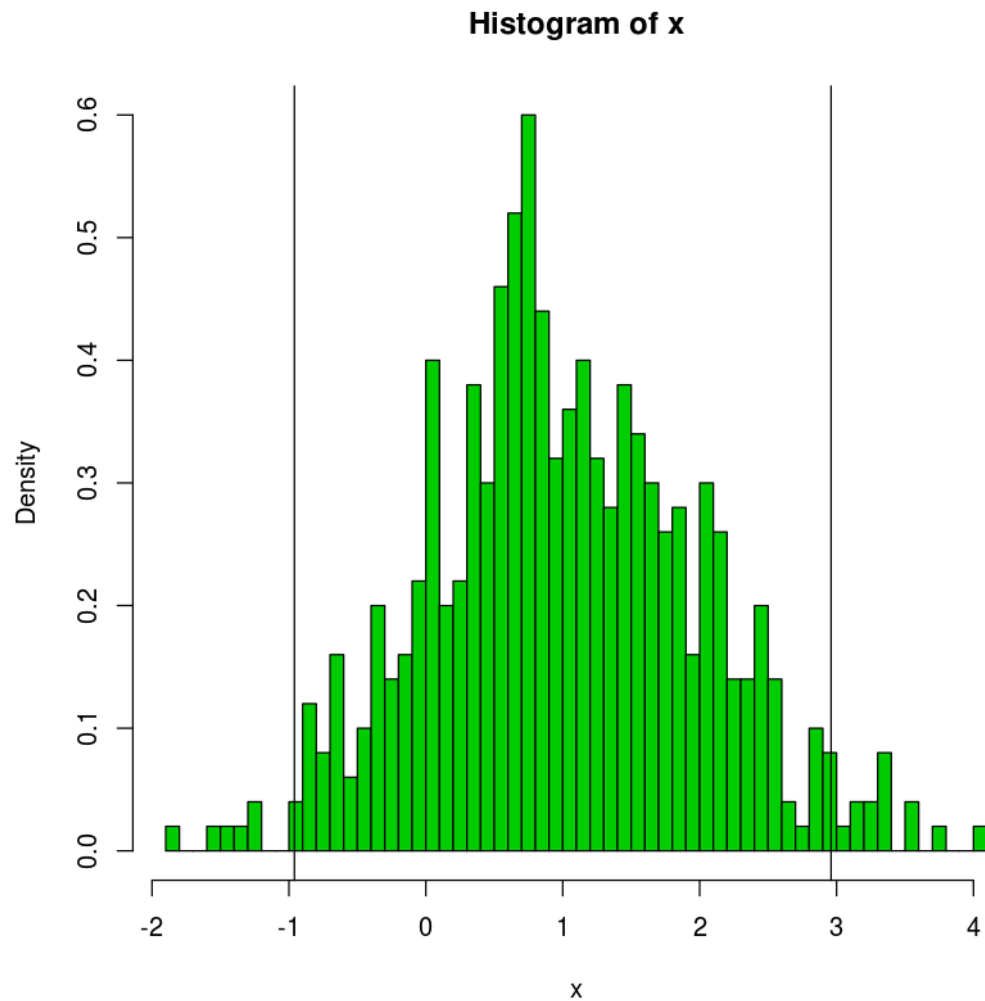
```
In [16]: b1 <- qnorm(.025, mean = 1, sd = 1)
b1
```

-0.959963984540054

```
In [13]: b2 <- qnorm(.975, mean = 1, sd = 1)
b2
```

2.95996398454005

```
In [17]: hist(x, freq = FALSE, col = 3, nclass = 50)
         abline(v=b1)
         abline(v=b2)
```



```
In [22]: s <- 0
         for (i in x) {
           if ((i < b1) | (i > b2)){
             s <- s + 1
           }
         }
         s
```

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Количество элементов выборки, не попавших в интервал

```
In [24]: s/500
```

0.042