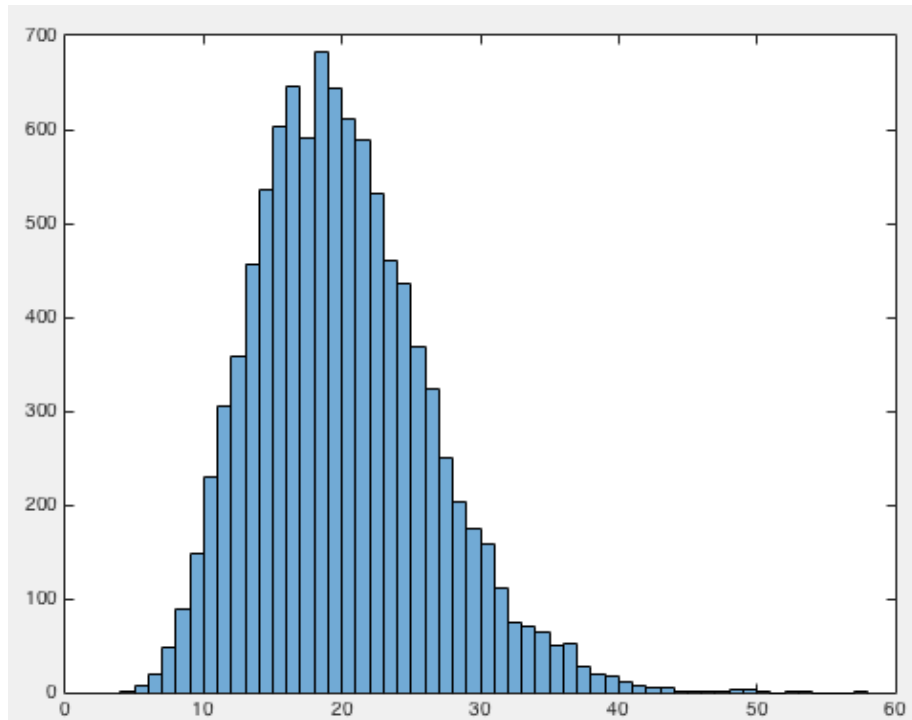


## HW13 M8

Answer (for reference only)

1.



2.

```
X = gamrnd(10, 2, 10000, 1);  
histogram(X);  
mle(X, 'distribution', 'Gamma')
```

3.

The estimated parameters are 9.9973 & 2.0115, and the parameters chosen by me were 10 & 2. It means that the mle function does find the parameters that are quite close to our initial selections. However, notice that the returned values are not exactly the same as my selections, which may be caused by the numerical methods (i.e., mle).