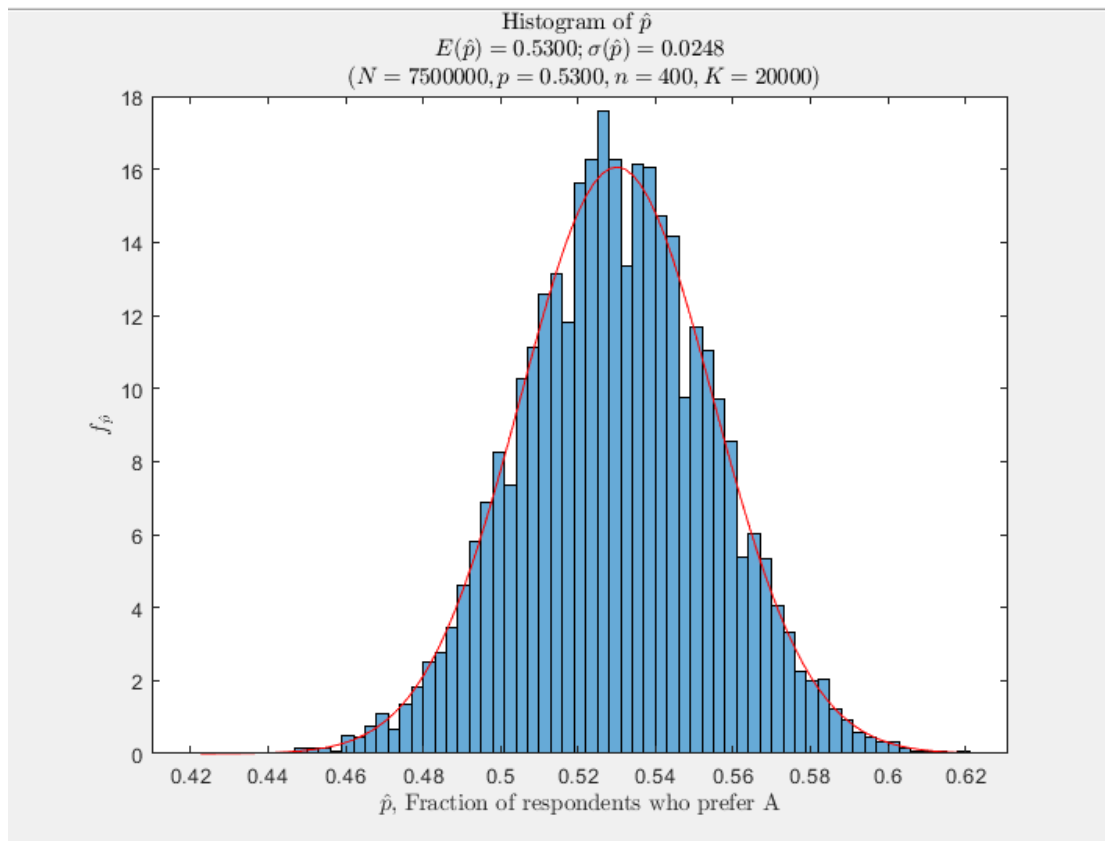


Question 2



After fitting, our model has $E(\hat{p}) = 0.53$ and $\sigma(\hat{p}) = 0.0248$. From the following code, we find that 0.1132 of the results would incorrectly predict that B is preferred over A (i.e. $P(\hat{p} < 0.5) = 0.1132$).

```
>> pd = makedist('Normal', 'mu', 0.53, 'sigma', 0.0248).  
>> cdf(pd, 0.5)  
ans =
```

0.1132

Question 3

