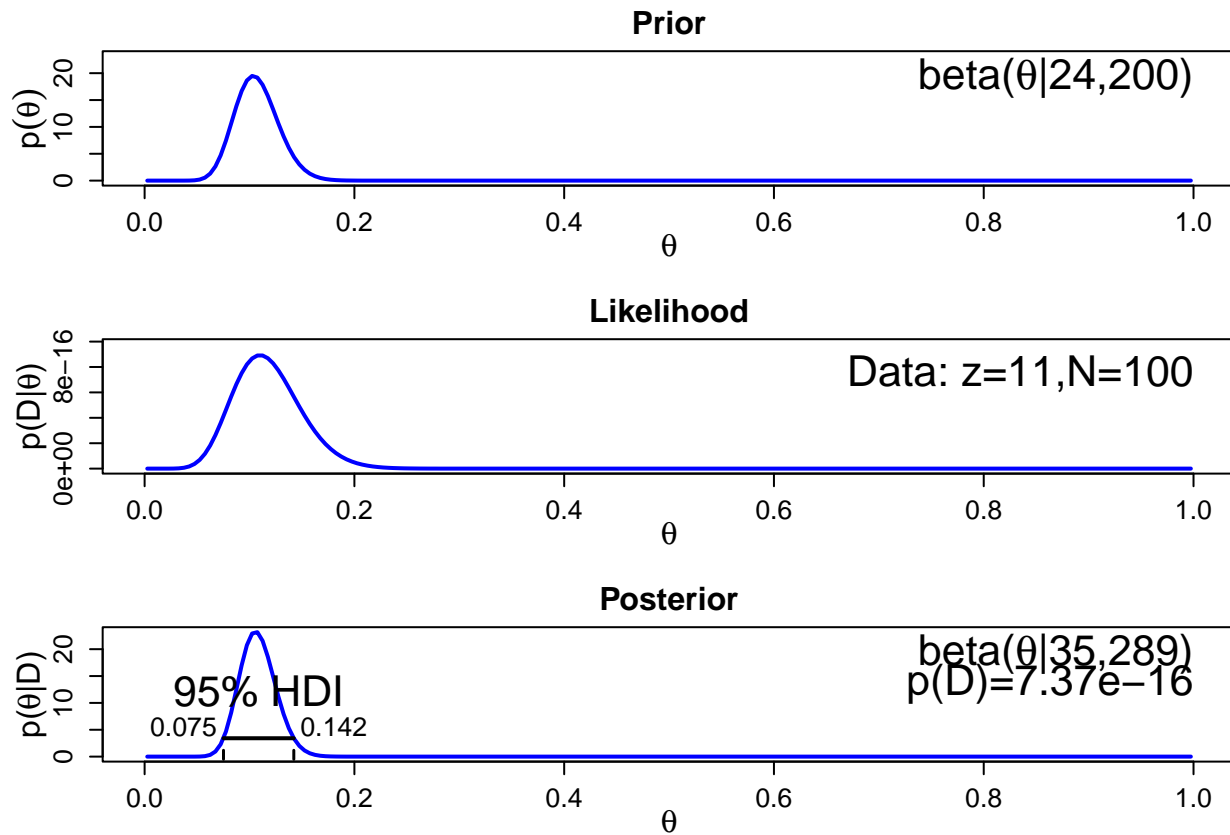


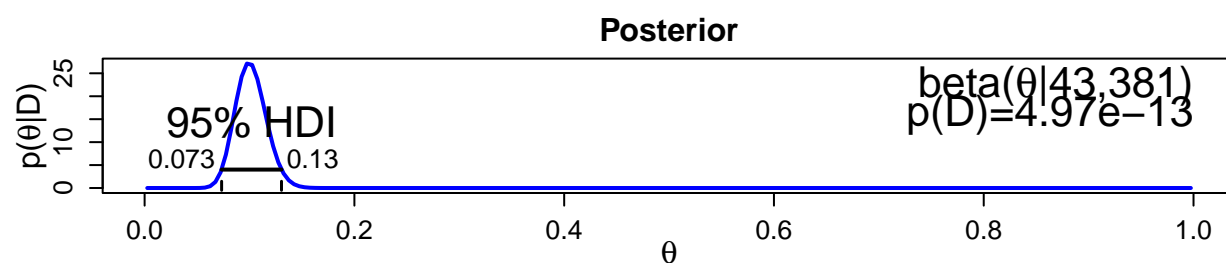
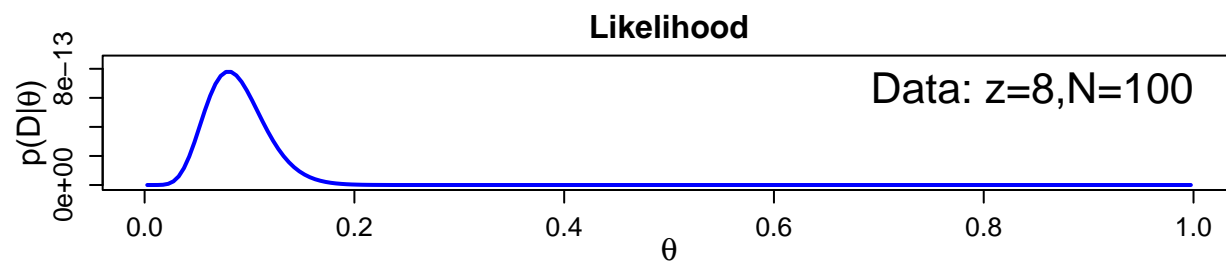
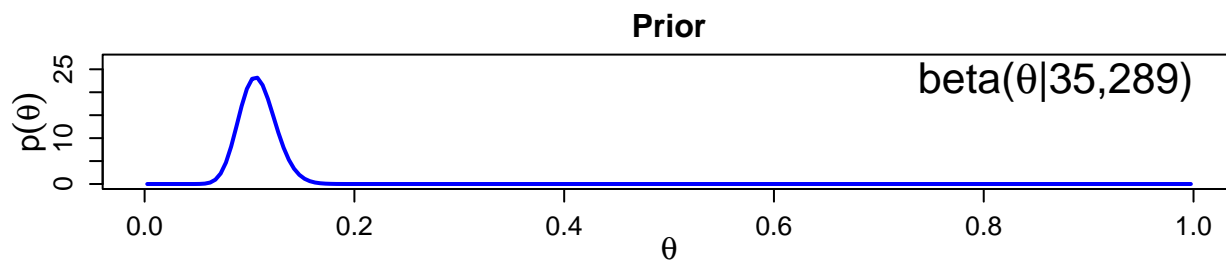
Task 3

Start with a subset of 100 data points and perform inference. Find the posterior probability that the new page has a higher conversion rate. Hint: use random samples from the independent posteriors to estimate the probability. Update the posteriors with another 100 data points. At what data size do the priors become irrelevant?

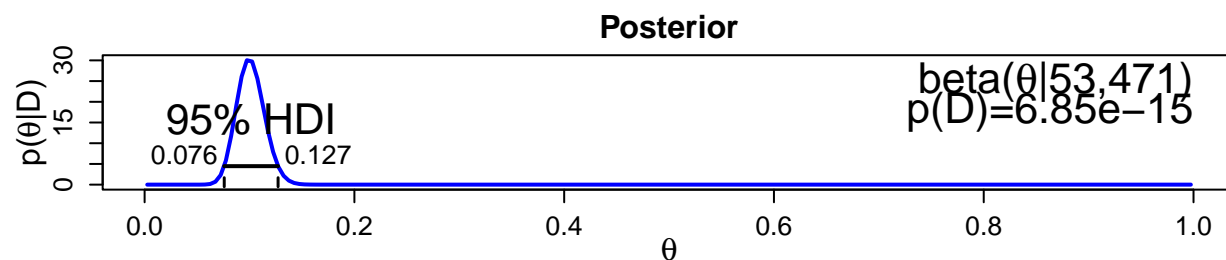
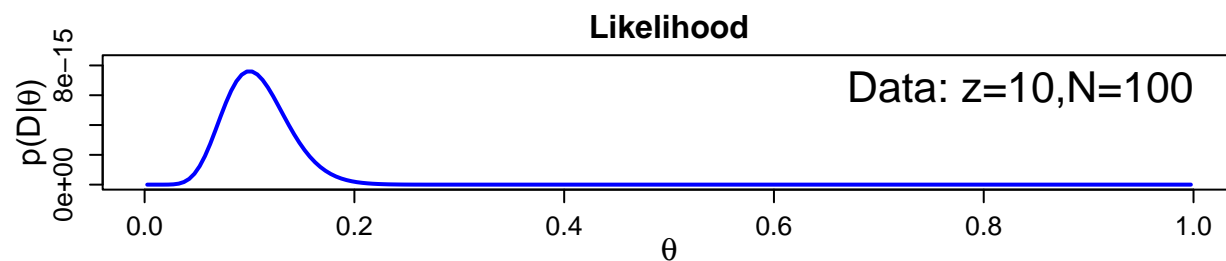
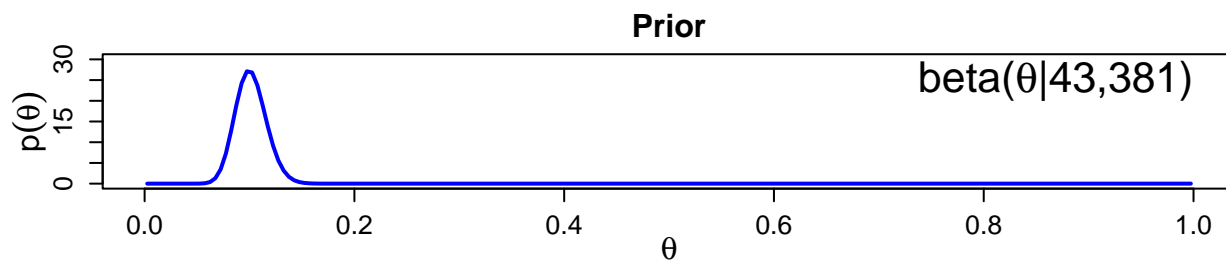
```
## [1] "Test 1"
```



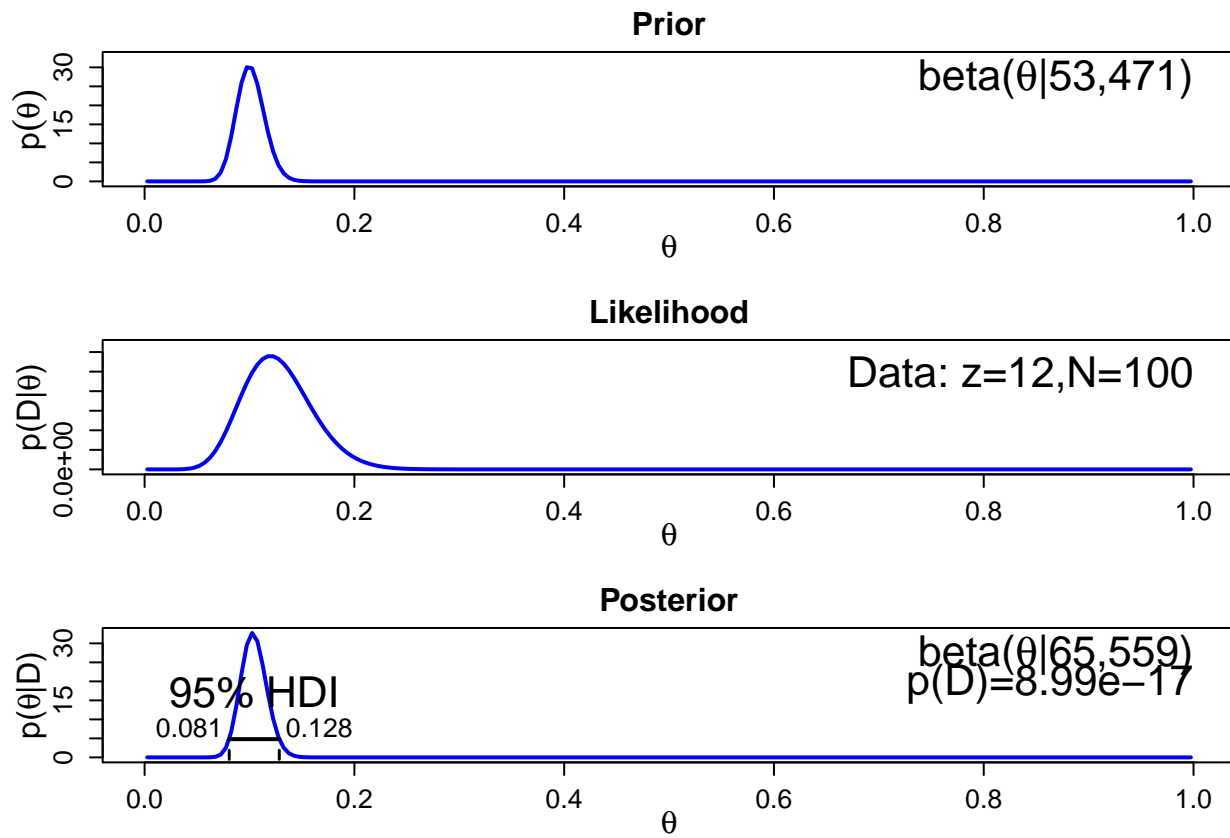
```
## [1] "Test 2"
```



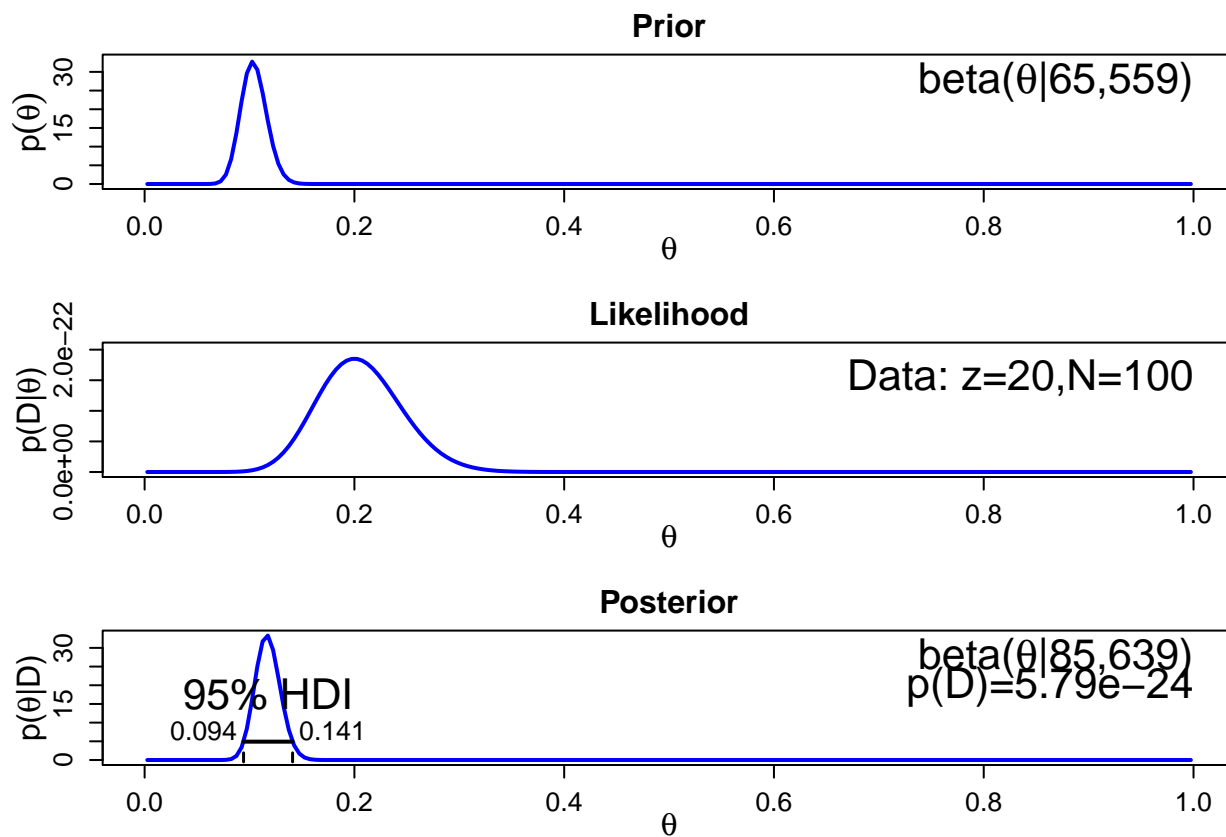
[1] "Test 3"



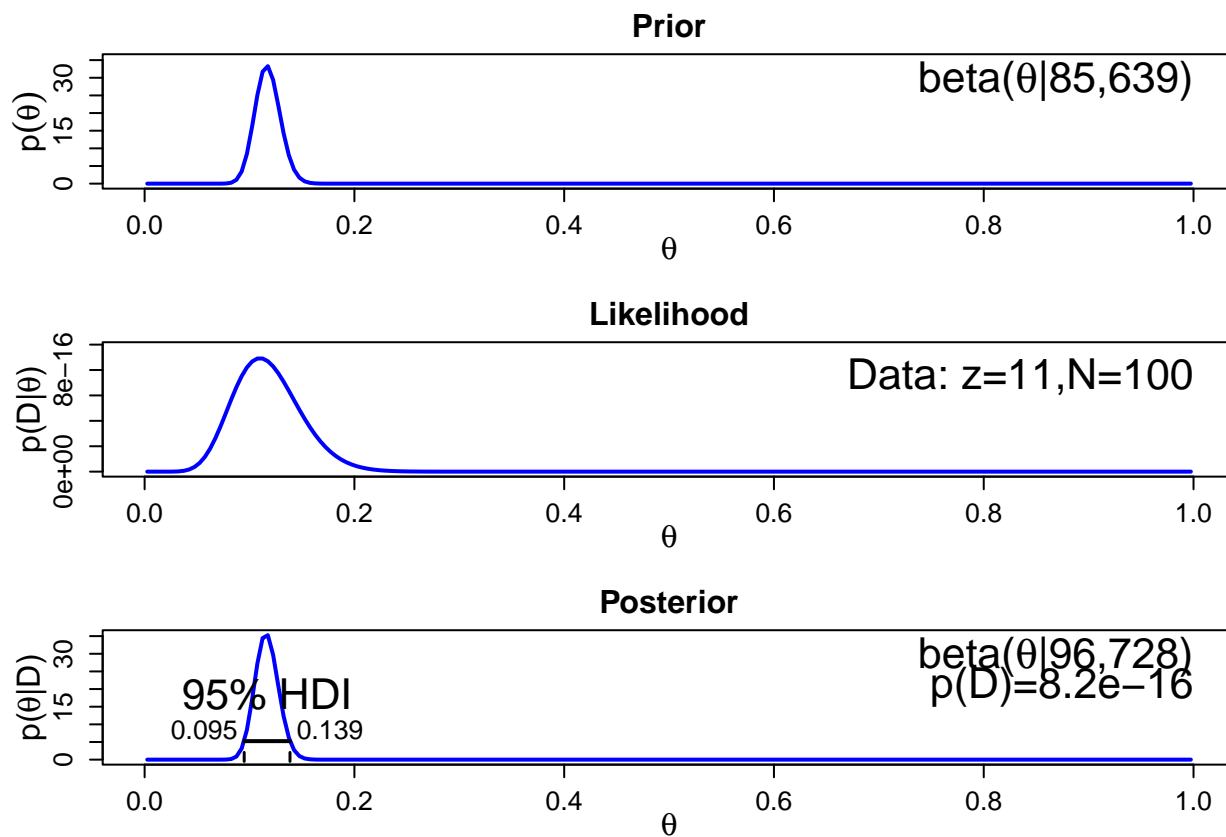
```
## [1] "Test 4"
```



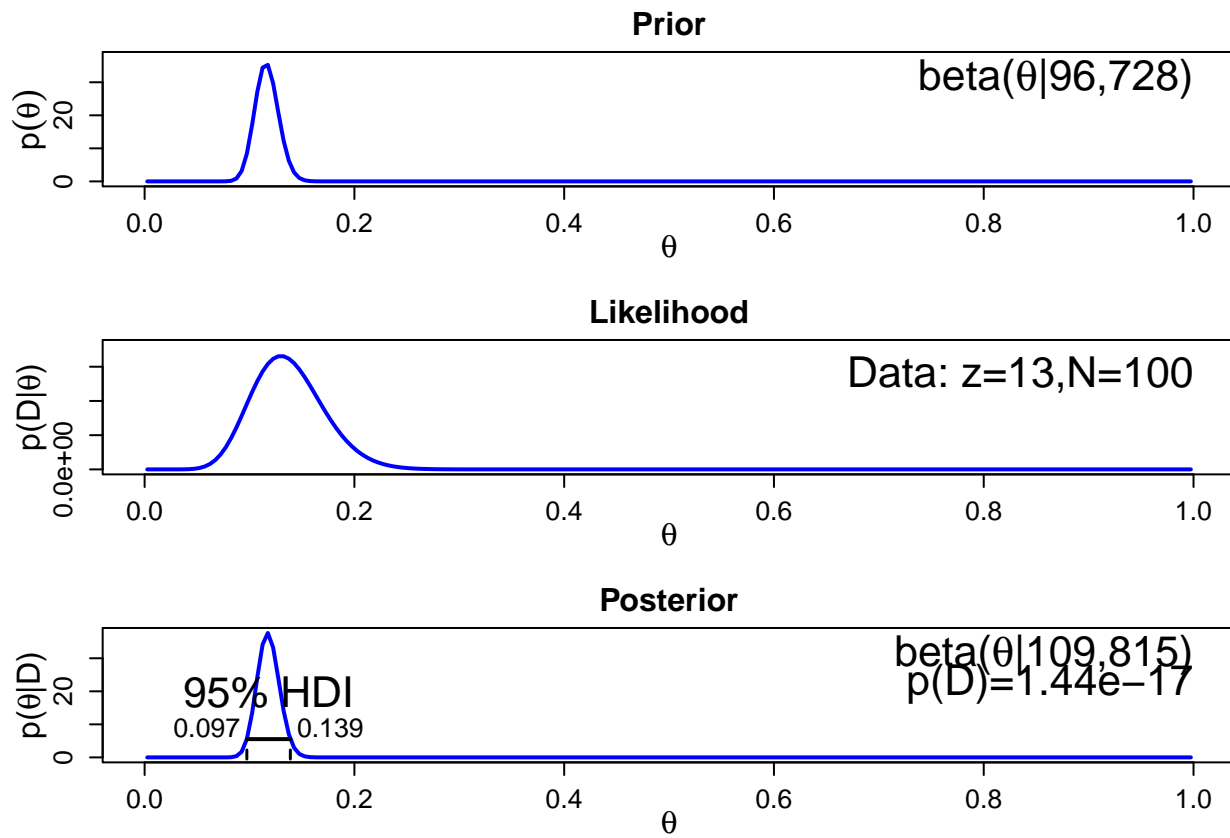
```
## [1] "Test 5"
```



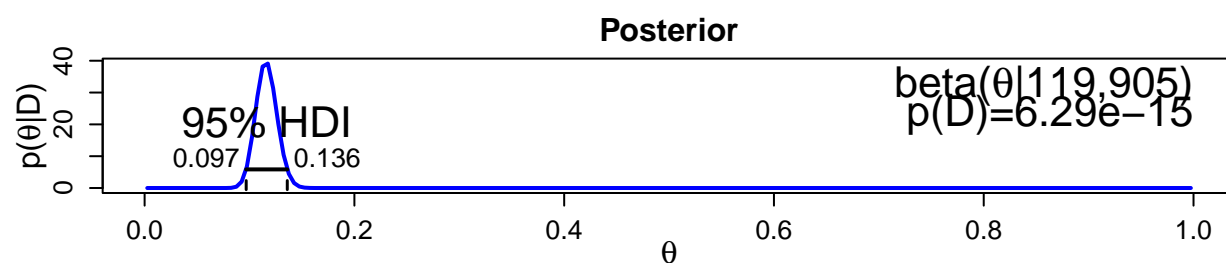
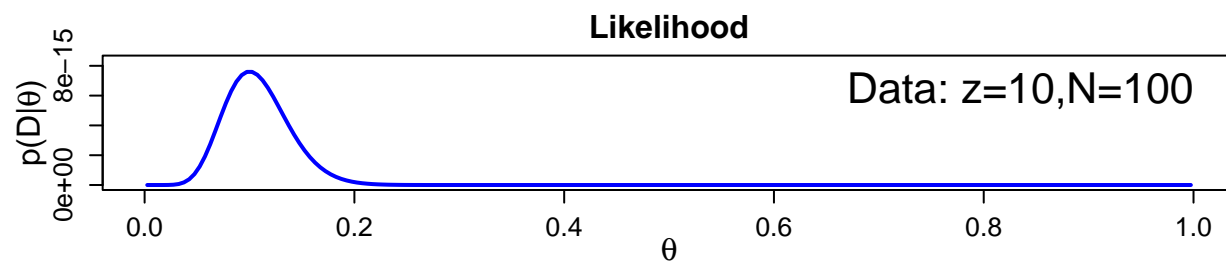
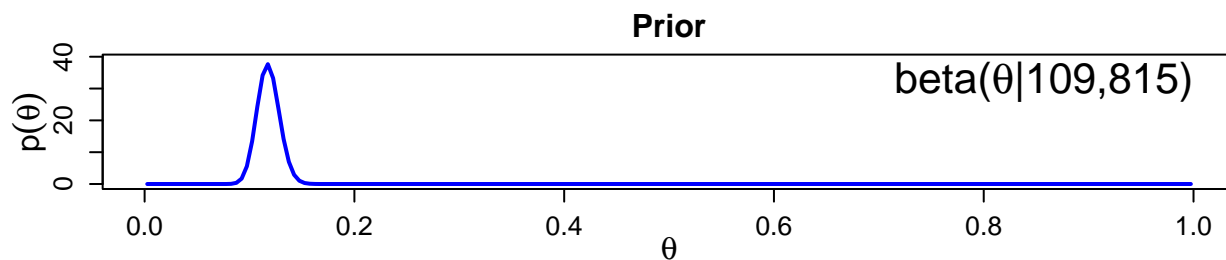
[1] "Test 6"



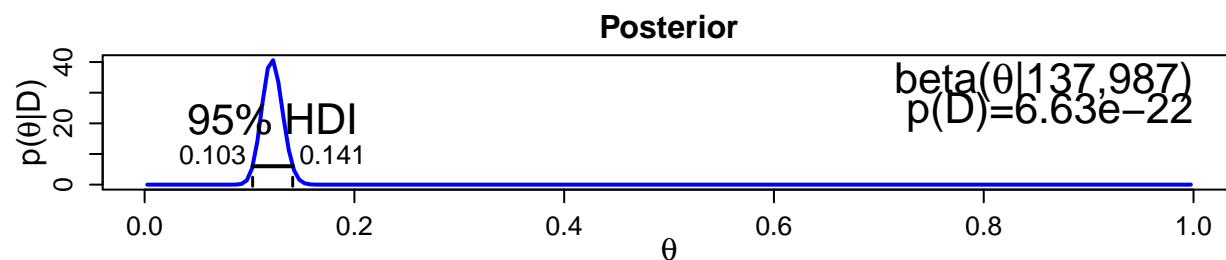
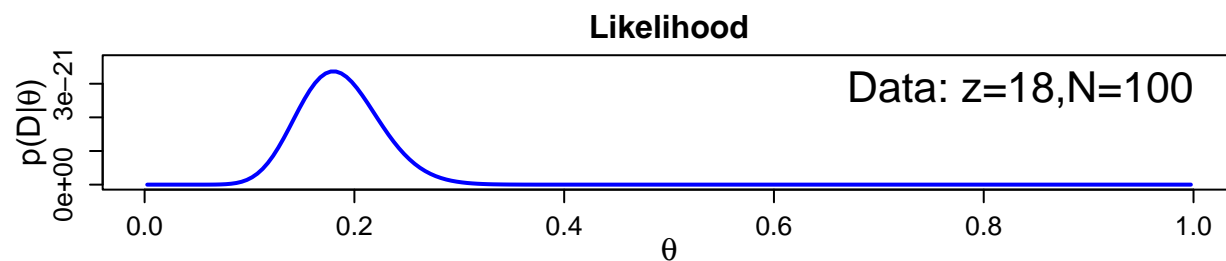
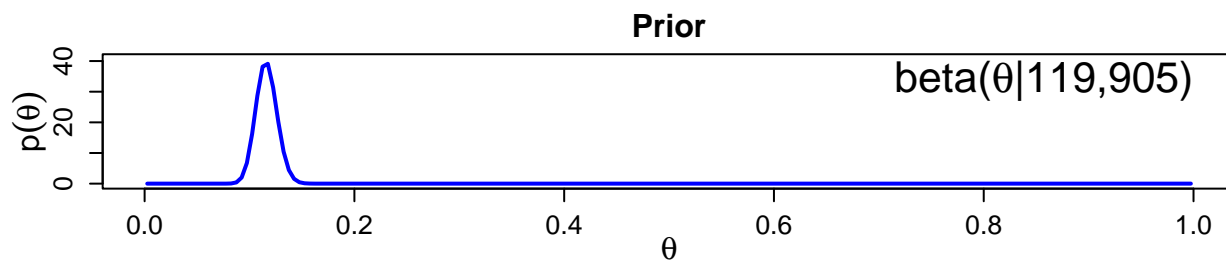
```
## [1] "Test 7"
```



```
## [1] "Test 8"
```



[1] "Test 9"



```
## [1] "Test 10"
```

