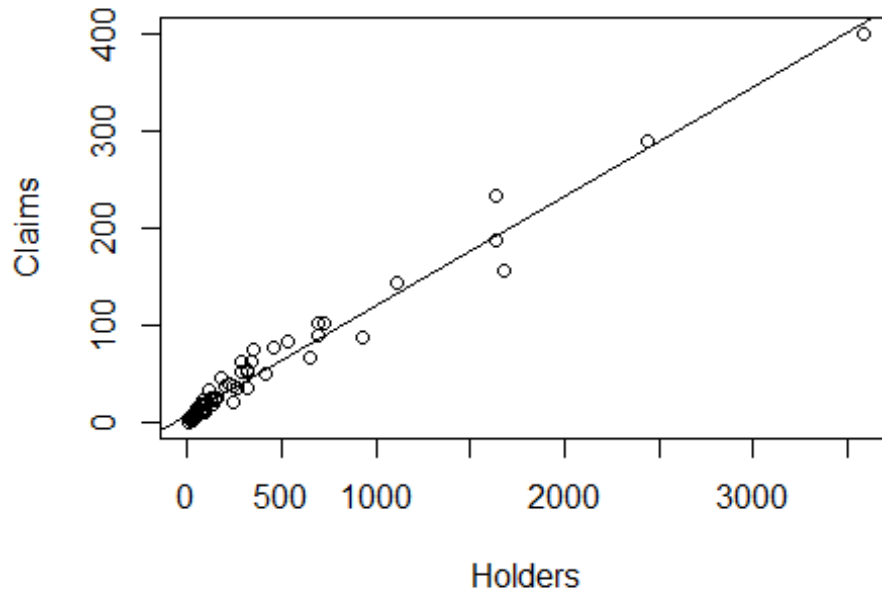


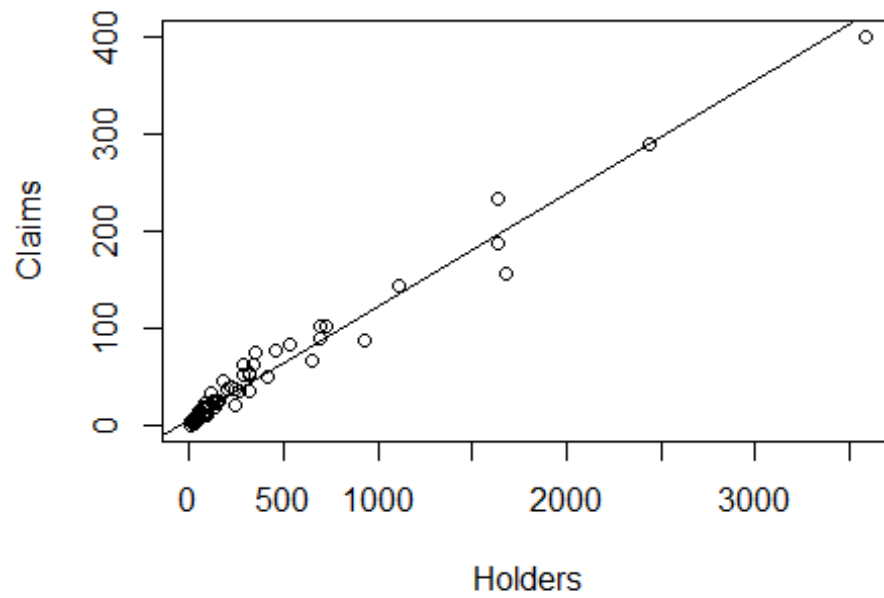
Question 4

Part A : Normal Distribution



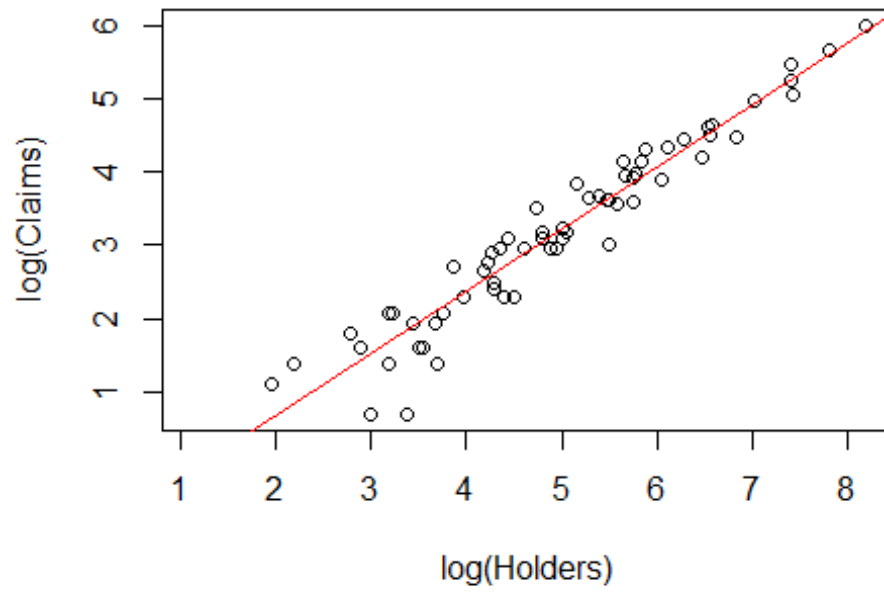
```
## [1] "BIC: 510.758740724071"
```

Part B : Laplace Distribution



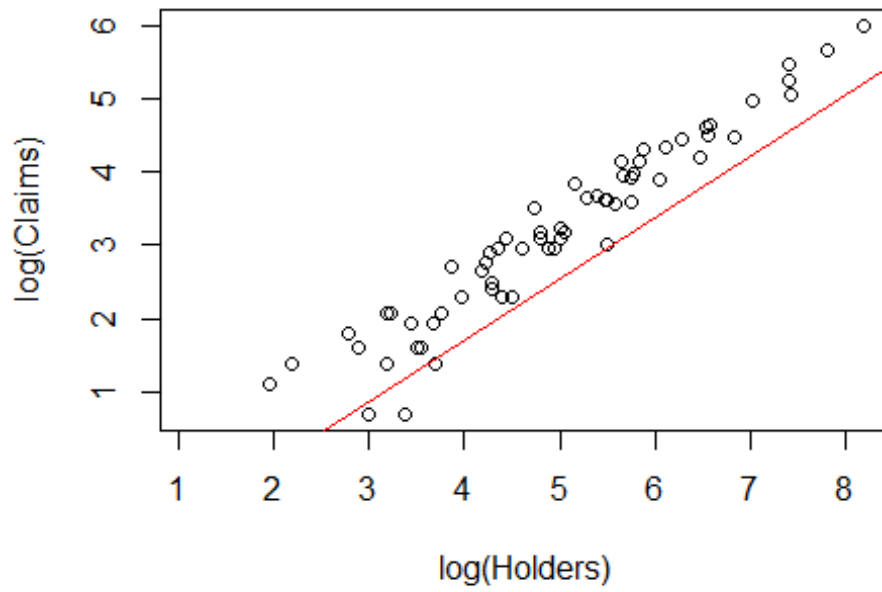
```
## [1] "BIC: 498.686890415363"
```

Part C : Log Normal Distribution



```
## [1] "BIC: 452.603398726873"
```

Part D : Gamma Distribution



```
## [1] "BIC: 437.338170533715"
```

BIC value is minimum for the gamma model so its our best choice among the 4 models.