Introduction to Machine Learning

Lab 1

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Contents

Assignment 1

2.3

```
#>           predicted
#> actual     non-spam spam
#>    non-spam      695  242
#>    spam          193  240
```

2.4

```
#>           predicted
#> actual     non-spam spam
#>    non-spam      639  298
#>    spam          178  255
```

2.5

```
#>           predicted
#> actual     non-spam spam
#>    non-spam      640  297
#>    spam          177  256
```
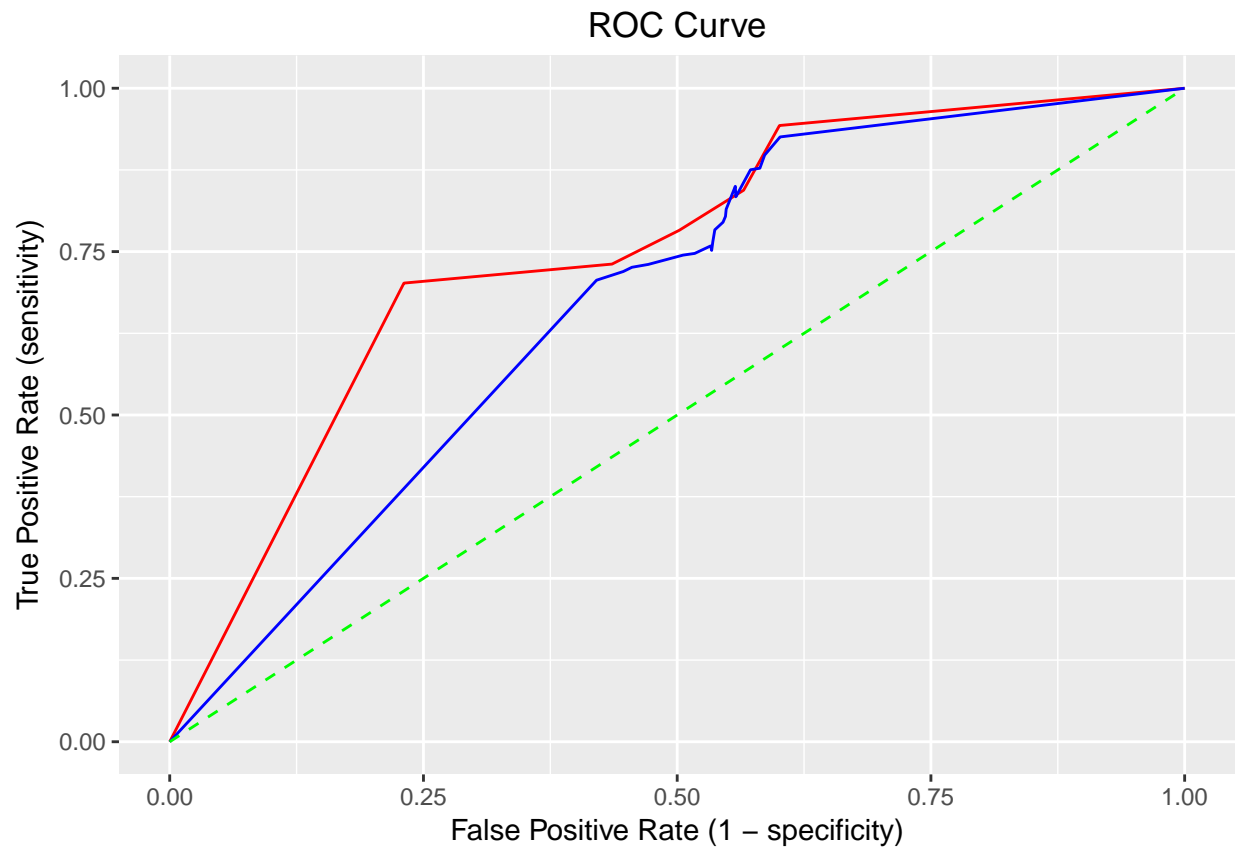
2.6

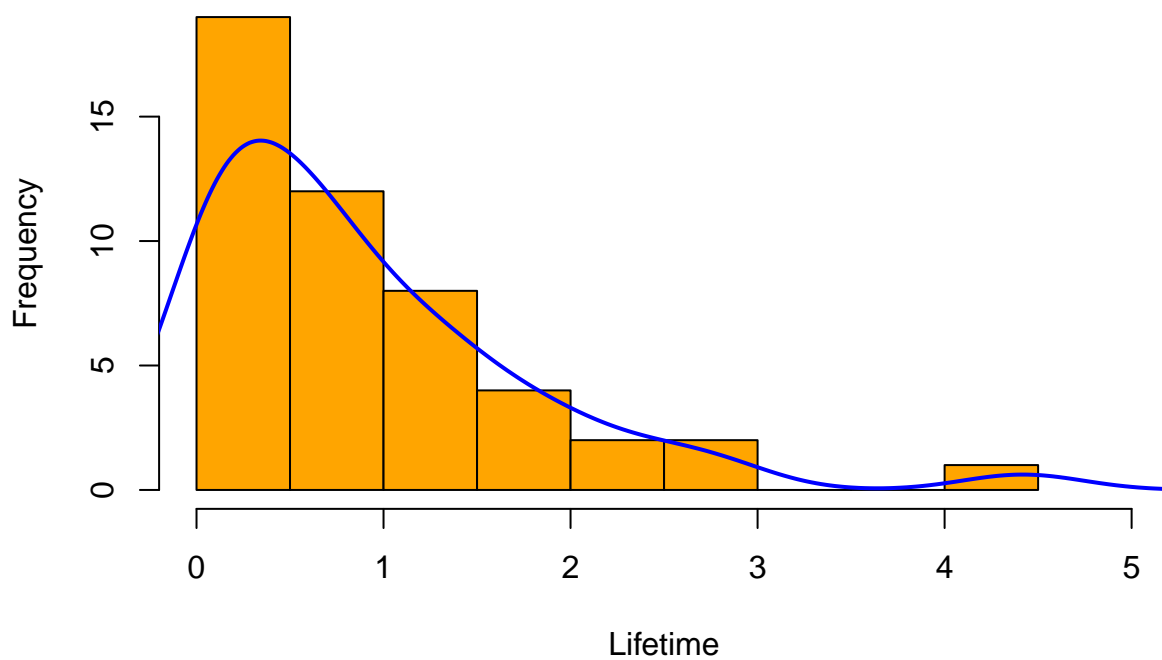Figure 1: Receiver operating characteristic curves.

Assignment 2

2.2

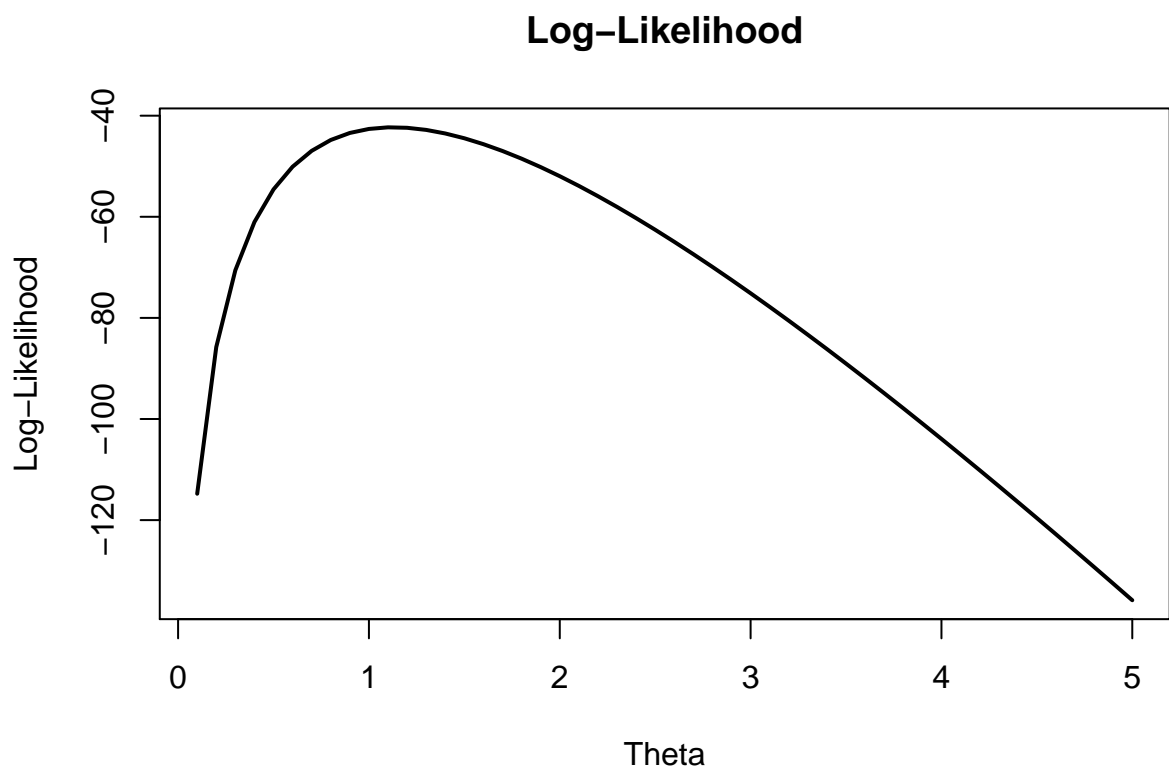Figure 2: Data Distribution.
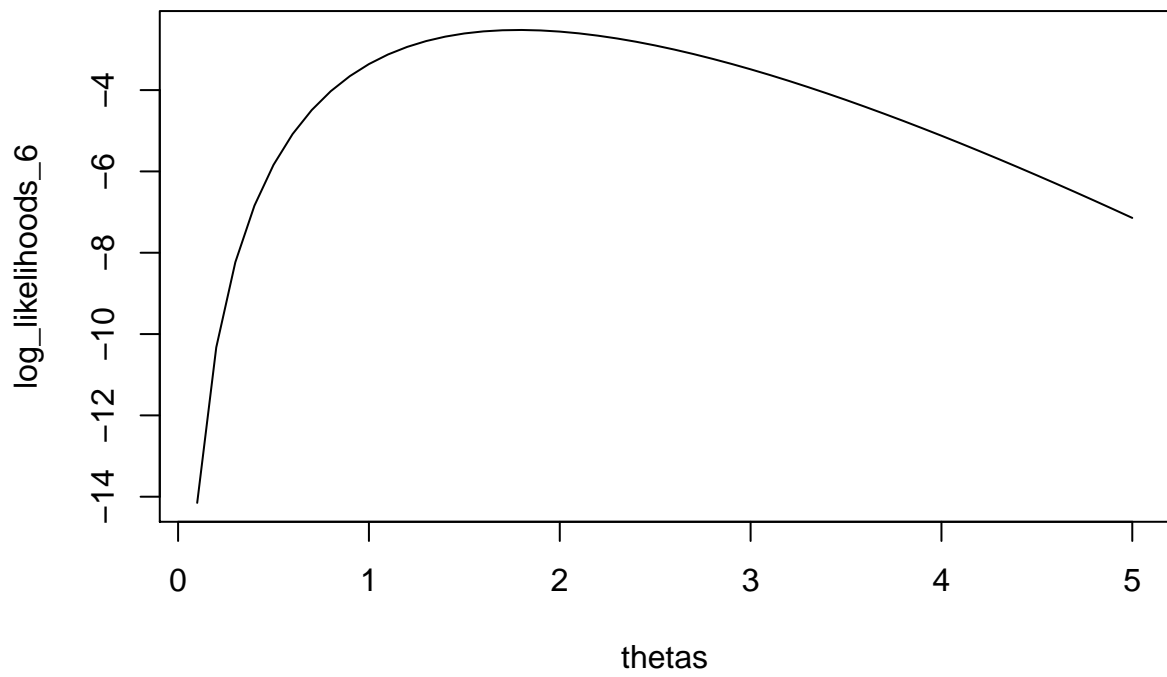
Log−Likelihood

Figure 3: Likelihoods.

2.3
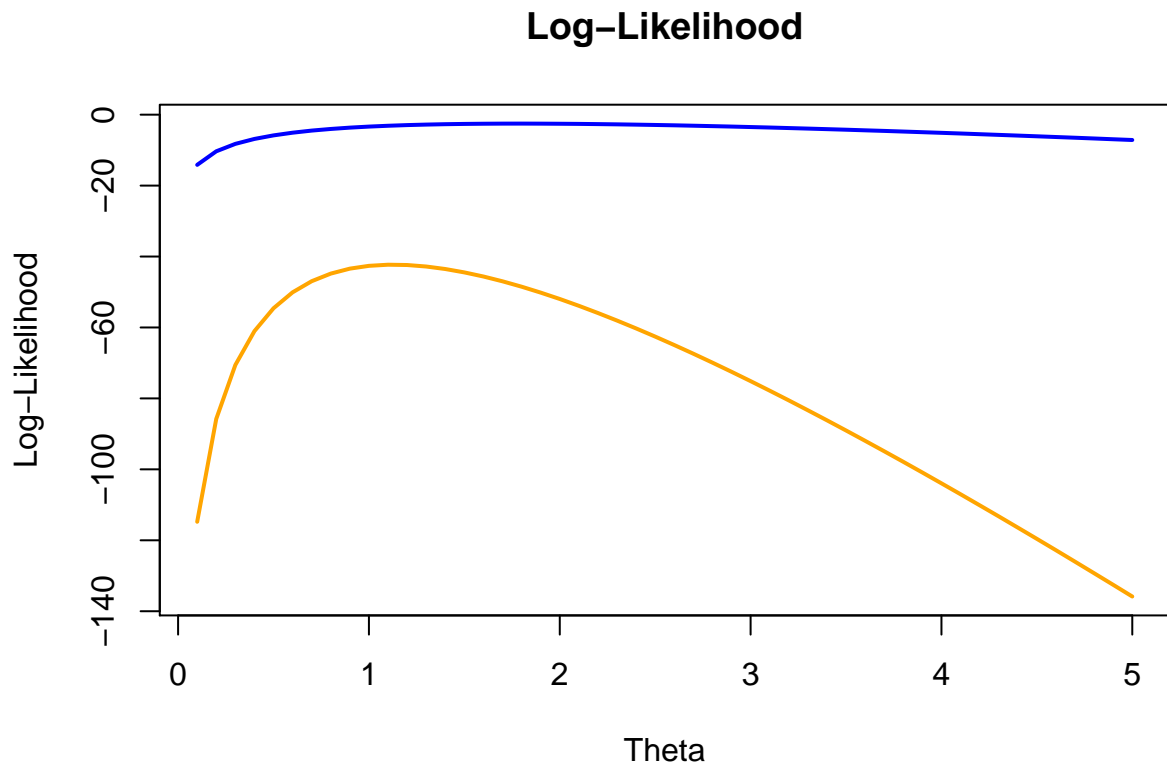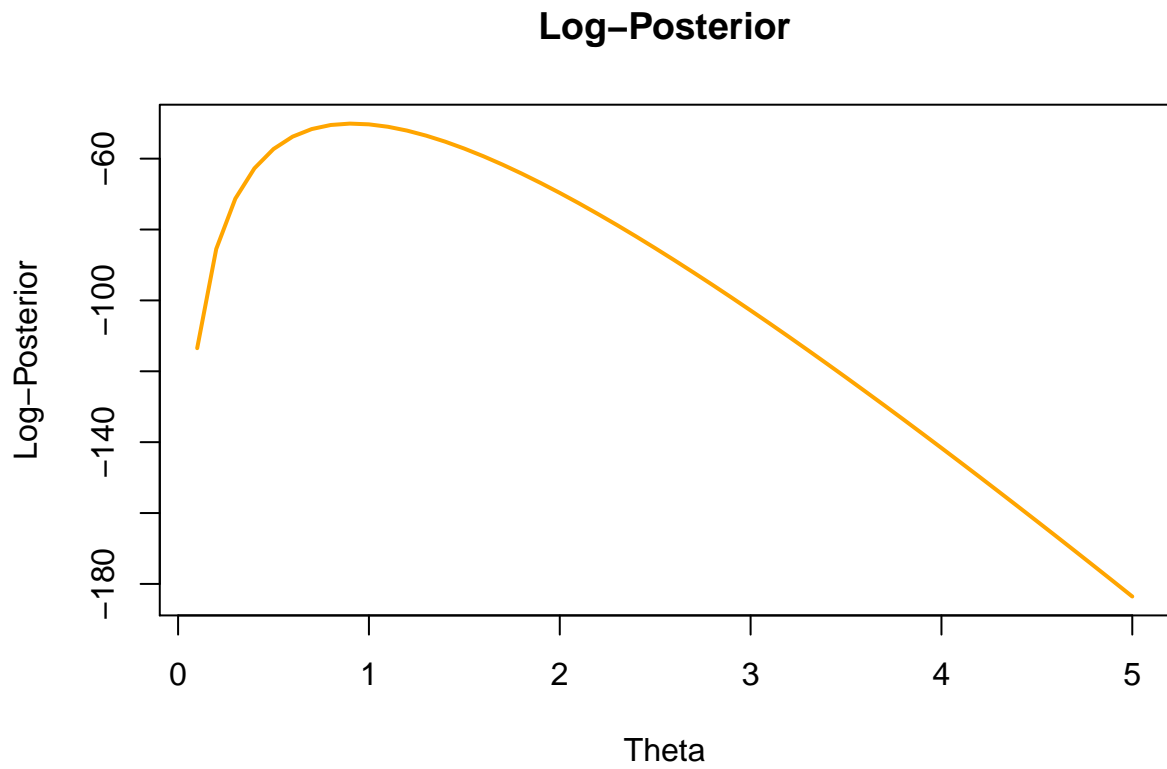

Figure 4: Likelihoods.

Figure 5: Likelihoods.

Log−Posterior

Figure 6: Likelihoods.

2.5

Figure 7: Likelihoods.