Appendix A: Results

Best Result

Below are the results from the best result output

Accuracy: [0.8125, 0.90625, 0.84375, 0.90625]

```
Train Data
_____
291
Test Data
32
Most Informative Features
             installs = 3000.0
                                                        9.9:1.0
                                    unfair : fair
              revSent = -17
                                    unfair : fair
                                                        8.0 : 1.0
             installs = 30000.0
                                    unfair : fair
                                                        4.7 : 1.0
              revSent = -10
                                    unfair : fair
                                                        3.4 : 1.0
                                    unfair : fair
          countCapital = 9
                                                        3.4:1.0
             avgRating = 4.256
                                    unfair : fair
                                                        2.6:1.0
             avgRating = 3.987
                                    unfair : fair =
                                                        2.6:1.0
             avgRating = 4.522
                                    unfair : fair
                                                        2.6:1.0
             avgRating = 4.424
                                    unfair : fair
                                                        2.6 : 1.0
             revlength = 1210
                                    unfair : fair =
                                                        2.6:1.0
None
Train Data
291
Test Data
______
32
Most Informative Features
             installs = 3000.0
                                                        9.5 : 1.0
                                    unfair : fair
                                    unfair : fair
              revSent = -17
                                                        7.8 : 1.0
             installs = 30000.0
                                    unfair : fair
                                                        6.2:1.0
              revSent = -10
                                    unfair : fair
                                                        3.3 : 1.0
          countCapital = 9
                                    unfair : fair
                                                        2.9 : 1.0
        adjectiveCount = 2
                                    unfair : fair
                                                        2.7 : 1.0
             avgRating = 4.256
                                    unfair : fair
                                                        2.6 : 1.0
             avgRating = 3.987
                                    unfair : fair
                                                        2.6 : 1.0
             avgRating = 4.522
                                    unfair : fair
                                                        2.6 : 1.0
             avgRating = 4.424
                                    unfair : fair =
                                                        2.6:1.0
None
Train Data
Test Data
32
Most Informative Features
             installs = 3000.0
                                    unfair : fair =
                                                        9.9:1.0
              revSent = -17
                                    unfair : fair =
                                                        7.9 : 1.0
             installs = 30000.0
                                    unfair : fair =
                                                        5.2:1.0
                                    unfair : fair =
          countCapital = 9
                                                        2.8 : 1.0
                                                        2.8 : 1.0
             installs = 3000000.0
                                    fair : unfair =
              revSent = -10
                                    unfair : fair =
                                                        2.6:1.0
             avgRating = 3.987
                                    unfair : fair =
                                                        2.6:1.0
             avgRating = 4.522
                                    unfair : fair =
                                                        2.6:1.0
             avgRating = 4.424
                                    unfair : fair =
                                                        2.6:1.0
             revlength = 1210
                                    unfair : fair =
                                                        2.6:1.0
None
Train Data
291
Test Data
______
Most Informative Features
             installs = 3000.0
                                    unfair : fair =
                                                        9.9:1.0
              revSent = -17
                                    unfair : fair =
                                                        7.9 : 1.0
             installs = 30000.0
                                    unfair : fair =
                                                        5.2:1.0
          countCapital = 9
                                    unfair : fair =
                                                        3.0 : 1.0
              revSent = -10
                                    unfair : fair =
                                                        2.6:1.0
             avgRating = 4.256
                                    unfair : fair =
                                                        2.6:1.0
             avgRating = 3.987
                                    unfair : fair =
                                                        2.6:1.0
             avgRating = 4.522
                                    unfair : fair =
                                                        2.6:1.0
             avgRating = 4.424
                                    unfair : fair =
                                                        2.6:1.0
             revlength = 855
                                                        2.6:1.0
                                    unfair : fair =
```

Accuracy: [0.125, 0.03125, 0.125, 0.125]

Result with NLP Features like unigrams, bigrams and trigrams

Train Data

Most Informative Features

None

consistent = True

charged = True

viruses = True

contacts. = True

contains("virus") = True

why. = True

lock = True

virus = True

safe = True

game. = True

unfair : fair =

unfair : fair

unfair : fair =

unfair : fair =

22.8 : 1.0

22.8 : 1.0

22.8 : 1.0

22.8 : 1.0

22.8 : 1.0

22.8 : 1.0

19.1 : 1.0

19.1 : 1.0

19.1:1.0

19.1:1.0

None

```
______
291
Test Data
______
32
Most Informative Features
                                                24.6 : 1.0
              game. = True
                               unfair : fair
          consistent = True
                               unfair : fair
                                                22.8 : 1.0
            charged = True
                               unfair : fair
                                                22.8 : 1.0
                               unfair : fair
               nuts = True
                                                22.8 : 1.0
               sold = True
                               unfair : fair
                                                22.8 : 1.0
            deletes = True
                               unfair : fair
                                                13.6 : 1.0
               age. = True
                               unfair : fair
                                                13.6 : 1.0
                tv = True
                               unfair : fair
                                                13.6 : 1.0
 (u'unknown', u'error') = True
                               unfair : fair
                                                13.6 : 1.0
            factory = True
                               unfair : fair
                                                13.6 : 1.0
None
Train Data
______
291
Test Data
______
32
Most Informative Features
                               unfair : fair
          consistent = True
                                                19.6 : 1.0
            charged = True
                               unfair : fair
                                                19.6:1.0
(u'great', u'app', u'!') = True
                               unfair : fair
                                                19.6 : 1.0
                               unfair : fair
                                                19.6 : 1.0
               nuts = True
               why. = True
                               unfair : fair
                                                19.6 : 1.0
            viruses = True
                               unfair : fair
                                                19.6 : 1.0
               lock = True
                               unfair : fair
                                                19.6 : 1.0
               sold = True
                               unfair : fair
                                                19.6 : 1.0
              virus = True
                               unfair : fair
                                                16.4 : 1.0
     contains("virus") = True
                               unfair : fair =
                                                16.4:1.0
None
Train Data
291
Test Data
______
32
Most Informative Features
                                                22.2 : 1.0
              game. = True
                               unfair : fair
                               unfair : fair
                                                20.5 : 1.0
          consistent = True
                               unfair : fair
                                                20.5 : 1.0
            charged = True
                               unfair : fair
               nuts = True
                                                20.5 : 1.0
(u'great', u'app', u'!') = True
                               unfair : fair
                                                20.5 : 1.0
               why. = True
                               unfair : fair
                                                20.5 : 1.0
            viruses = True
                               unfair : fair
                                                20.5 : 1.0
                               unfair : fair
              admin = True
                                                20.5 : 1.0
             secure = True
                               unfair : fair
                                                20.5 : 1.0
                               unfair : fair
                                                20.5 : 1.0
               lock = True
Train Data
______
291
Test Data
______
```