Train dataset:

Positive: 68.48 %

Negative: 21.24 %

Neutral: 10.28 %

Below are positive, negative, and neutral class distributions in Test Dataset.

1. ID,class,text,emoji,rate,star,num\_em,num\_qm,caps,postive\_sent,negative\_sent,neutral\_sent,total\_sent,positive\_words,negative\_words

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Positive | Negative | Neutral | Training Acc |
| J48 | 11281 (80.58%) | 2703 (19.31%) | 16 (0.11%) | 78.7268% |
| DecisionTable | 11185 | 2763 | 52 | 78.5536% |
| Jrip | 11588 (82.77%) | 2405 (17.18%) | 7 (0.05%) | 78.5589% |
| Ibk | 11252 (80.37%) | 1632 (11.66%) | 1116 (7.97%) | 68.2375% |
| NeuralNetwork | 10788 (77.06%) | 3190 (22.79%) | 22 (0.16%) | 79.0732% |
| SMO | 11363 (81.16%) | 2637 (18.84%) | 0 | 78.8625% |
| BayesNet | 10362 (74.01%) | 3229 (23.06%) | 409 (2.92%) | 78.3679% |
| NaiveBayes | 10372 (74.09%) | 2785 (19.89%) | 843 (6.02%) | 75.9518% |
| Logistics | 11208 (80.06%) | 2678 (19.13%) | 114 (0.815%) | 78.9107% |
| Kstar | 10768 | 2661 | 571 | 75. |

1. ID,class,text,emoji,rate,star,num\_em,num\_qm,caps,postive\_sent,negative\_sent,neutral\_sent,total\_sent,positive\_words,negative\_words,neutral\_words (neutral\_words added)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Positive | Negative | Neutral | Training Acc |
| J48 | 10939 | 2999 | 62 | 79.0321% |
| DecisionTable | 11440 | 2502 | 58 | 78.5518 % |
| Jrip | 11486 | 2502 | 12 | 79.0625 % |
| Ibk | 10304 (73.6%) | 2427 (17.34%) | 1269 (9.06%) | 68.6268 % |
| NeuralNetwork | 10395 | 3602 | 3 | 79.7786 % |
| SMO | 11237 | 2763 | 0 | 79.5089 % |
| BayesNet | 10040 (71.71%) | 3110 (22.21%) | 850 (6.07%) | 77.8446 % |
| NaiveBayes | 9979 (71.28%) | 2948 (21.06%) | 1073 (7.66%) | 75.5232 % |
| Logistics | 11142 | 2733 | 125 | 79.4196 % |
| RandomForest | 10915 | 2933 | 152 | * 1. % |

1. ID,class,text,emoji,rate,star,num\_em,num\_qm,caps,postive\_sent,negative\_sent,neutral\_sent,total\_sent,positive\_words,negative\_words,neutral\_words (updated same logic of neutral to pos and neg)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Positive | Negative | Neutral | Training Acc |
| J48 | 10949 | 2983 | 68 | 78.7411 % |
| DecisionTable | 11440 | 2502 | 58 | 78.5464 % |
| Jrip | 11509 | 2484 | 7 | 78.7696 % |
| Ibk | 10379 | 2303 | 1318 | 68.5196 % |
| NeuralNetwork | 10065 | 3935 | 0 | 79.1268 % |
| SMO | 11364 | 2636 | 0 | 78.775 % |
| BayesNet | 10048 | 3078 | 874 | 77.8 % |
| NaiveBayes | 10344 | 2698 | 958 | 74.7339 % |
| Logistics | 11205 | 2678 | 117 | 78.7107 % |
| RandomForest | 11205 | 2678 | 117 |  |