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|  | LSTM | Naive-B |
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| F1 Scores | CNN | LSTM | Naive Bayes |
| Training | 0.88 | 0.86 | N/A |
| Validation | 0.82 | 0.84 | N/A |
| Test | 0.81 | 0.85 | 0.72 |

|  |  |  |  |
| --- | --- | --- | --- |
| Time(Seconds) | CNN | LSTM | Naive Bayes |
| Embedding Generation | 6.39 | 6.23 | 9.42 |
| Train Time | 136.4 | 27.61 | 164.21 |
| Test Time | 0.86 | 0.83 | 0.081 |

|  |  |  |
| --- | --- | --- |
|  | CNN | LSTM |
| Total Parameters | 5,143,171 | 70,953 |
| Trainable Parameters | 3,143,171 | 70,953 |
| Non-Trainable Parameters | 2,000,000 | 0 |