|  | **Embedding** | **Loss** | **Accuracy** | **Training** | **Params** | **Note** |
| --- | --- | --- | --- | --- | --- | --- |
| **SVM** | TF-IDF | - | 70.00% | 548.07s | - | Grid Search |
| **RF** | TF-IDF | - | 64.00% | 346.81s | - | Grid Search |
| **NB** | TF-IDF | - | 67.00% | 1.26s | - | Grid Search |
| **SVM** | W2V | - | 63.00% | 8.59s | - |  |
| **RF** | W2V | - | 55.00% | 11.49s | - |  |
| **NB** | W2V | - | - | - | - | Negative values |
| **SVM** | SBERT | - | 69.00% | 8.11s | - |  |
| **RF** | SBERT | - | 64.00% | 14.87s | - |  |
| **NB** | SBERT | - | - | - | - | Negative values |
| **CNN** | W2V | 1.98 | 67.33% | 59.19s | 3718015 | Early Stopping |
| **LSTM** | W2V | 1.02 | 68.95% | 37.11s | 3464531 | Early Stopping |
| **CNN\_LSTM** | W2V | 1.09 | **74.76%** | 62.24 | 3791231 | Early Stopping |
| **CNN** | SBERT | 1.20 | 65.14% | 94.41s | 4916015 | Early Stopping |
| **LSTM** | SBERT | 0.99 | 66.28% | 48.15s | 4409347 | Early Stopping |
| **CNN\_LSTM** | SBERT | 1.49 | 62.66% | 68.84s | 4989231 | Early Stopping |