|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Epoch | Learning rate | Hidden size | 2nd layer Hidden size | Dropout rate | Train accuracy | Test accuracy |
| 15 | 0.0001 | 200 |  | 0.2 | 0.8151 | 0.7781 |
| 20 | 0.00005 | 200 |  | 0.2 | 0.7982 | 0.7879 |
| 20 | 0.0001 | 200 |  | 0.25 | 0.8230 | 0.7814 |
| 16 | 0.0001 | 200 | 100(LSTM) | 0.25 | 0.8029 | 0.8029 |
| 20 | 0.0001 | 200(Bidirectional) | 128(Dense with relu) | 0.25 | 0.8248 | 0.7874 |
| 16 (train test not shuffled) | 0.0005 | 200(Bidirectional) | 128(Dense with sigmoid) | 0.3 | 0.8897 | 0.7769 |
| 16 | 0.0005 | 200(Bidirectional) | 128(Dense with relu) | 0.3 | 0.7351 | 0.7255(reduce with relu) |
| 16 | 0.0005 | 200(Bidirectional) | 128(Dense with relu) | 0.3 | 0.8926 | 0.7787 |
| 16(with twitter embedding) | 0.0005 | 200(Bidirectional) | 128(Dense with sigmoid) | 0.3 | 0.8933 | 0.6423 |