Accuracy

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | No. of folds | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Binary | CNN | 88.49 | 88.56 | 88.58 | 87.60 | 87.91 |  |  |  |  |  |
| LSTM | 85.62 | 85.64 | 85.70 | 85.86 | 85.80 |  |  |  |  |  |
| CNN-LSTM | 90.62 | 90.73 | 91.32 | 90.77 | 91.18 |  |  |  |  |  |
| Multiclass | CNN | 65.20 | 65.54 | 64.33 | 64.46 | 64.27 |  |  |  |  |  |
| LSTM | 59.65 | 59.85 | 61.05 | 61.47 | 61.92 |  |  |  |  |  |
| CNN-LSTM | 75.24 | 76.76 | 77.15 | 77.54 | 76.99 |  |  |  |  |  |

Validation Accuracy

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | No. of folds | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Binary | CNN | 88.97 | 88.34 | 89.16 | 87.58 | 86.87 |  |  |  |  |  |
| LSTM | 85.81 | 86.30 | 86.28 | 85.50 | 85.72 |  |  |  |  |  |
| CNN-LSTM | 90.77 | 90.38 | 90.94 | 90.64 | 90.97 |  |  |  |  |  |
| Multiclass | CNN | 64.25 | 66.45 | 66.02 | 65.61 | 66.04 |  |  |  |  |  |
| LSTM | 60.03 | 60.19 | 61.47 | 61.79 | 63.51 |  |  |  |  |  |
| CNN-LSTM | 74.78 | 75.65 | 76.33 | 76.35 | 76.37 |  |  |  |  |  |