|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tuning results | | | | | |
| Optimizer | Epoch | Loss function | LSTM Unit | Train score | Validation score |
| adam | 20 | mse | 128 | 0.150281 | 0.145186 |
| adam | 20 | mse | 256 | 0.081857 | 0.125232 |
| adam | 20 | mae | 128 | 0.248143 | 0.163233 |
| adam | 20 | mae | 256 | 0.220455 | 0.15048 |
| adam | 40 | mse | 128 | 0.119948 | 0.14814 |
| adam | 40 | mse | 256 | 0.374414 | 0.146291 |
| adam | 40 | mae | 128 | 0.40694 | 0.153533 |
| adam | 40 | mae | 256 | 0.152668 | 0.135913 |
| rmsprop | 20 | mse | 128 | 0.074236 | 0.125907 |
| rmsprop | 20 | mse | 256 | 0.075506 | 0.120103 |
| **rmsprop** | **20** | **mae** | **128** | **0.099072** | **0.102179** |
| rmsprop | 20 | mae | 256 | 0.088876 | 0.109589 |
| rmsprop | 40 | mse | 128 | 0.076527 | 0.109938 |
| rmsprop | 40 | mse | 256 | 0.067219 | 0.116171 |
| rmsprop | 40 | mae | 128 | 0.046025 | 0.115718 |
| rmsprop | 40 | mae | 256 | 0.043651 | 0.140599 |
| Testing Result | | | | | |
| Optimizer | Epoch | Loss function | LSTM Unit | Train score | Test score |
| **rmsprop** | **20** | **mae** | **128** | **0.099072** | **0.212515** |