

models-comparison

Dataset	Model	Architecture	Seq. length	Learning rate	Epochs	Test Accuracy
aa.us.csv	SingleLabel LSTM	LSTM (Hidden=32, Layers=1), 2 fc, dropout = 0.3	100	1E-03	250	92.78%
aa.us.csv	SingleLabel LSTM	LSTM (Hidden=32, Layers=1), 2 fc, dropout = 0.3	50	1E-03	250	94.40%
aa.us.csv	SingleLabel LSTM	LSTM (Hidden=32, Layers=1), 2 fc, dropout = 0.3	50	1E-03	300	93.34%
aa.us.csv	SingleLabel LSTM	LSTM (Hidden=16, Layers=5), 2 fc, dropout = 0.3	50	1E-03	250	37.81%
aa.us.csv	SingleLabel LSTM	LSTM (Hidden=16, Layers=2), 2 fc, dropout = 0.3	50	1E-03	250	90.99%
aa.us.csv	SingleLabel LSTM	LSTM (Hidden=64, Layers=1), 2 fc, dropout = 0.3	50	1E-03	250	46.12%
Dataset	Model	Architecture	Seq. length	Learning rate	Epochs	Test Accuracy
aa.us.csv	SingleLabel CNN+LSTM	CNN(3 convolutions (32,32,1 channels) LSTM (Hidden=32, Layers=1), 2 fc, dropout = 0.3	50	1E-03	30	42.98%
aa.us.csv	SingleLabel CNN+LSTM	CNN (3 convolutions (64,32,1 channels) LSTM (Hidden=32, Layers=1), 2 fc, dropout = 0.3	50	1E-04	7	82.44%
aa.us.csv	SingleLabel CNN+LSTM	CNN (3 convolutions (64,32,1 channels) LSTM (Hidden=32, Layers=1), 2 fc, dropout = 0.4	50	1E-04	9	88.47%
aa.us.csv	SingleLabel CNN+LSTM	CNN (3 convolutions (64,32,1 channels) LSTM (Hidden=32, Layers=1), 2 fc, dropout = 0.5	50	1E-04	11	77.40%
aa.us.csv	SingleLabel CNN+LSTM	CNN (3 convolutions (64,32,1 channels) LSTM (Hidden=32, Layers=1), 2 fc, dropout = 0.3	30	1E-04	7	85.59%
aa.us.csv	SingleLabel CNN+LSTM	CNN (3 convolutions (64,32,1 channels) LSTM (Hidden=32, Layers=3), 2 fc, dropout = 0.3	30	1E-04	7	18.65%
Dataset	Model	Architecture	Seq. length	Learning rate	Epochs	Test Accuracy
aa.us.csv	MultiLabel LSTM	LSTM (Hidden=32, Layers=1), 2 fc, dropout = 0.3	100	1E-03	100	79.49%
aa.us.csv	MultiLabel LSTM	LSTM (Hidden=32, Layers=1), 2 fc, dropout = 0.3	50	1E-03	250	92.18%
aa.us.csv	MultiLabel LSTM	LSTM (Hidden=32, Layers=1), 2 fc, dropout = 0.3	50	1E-03	300	95.92%
aa.us.csv	MultiLabel LSTM	LSTM (Hidden=16, Layers=5), 2 fc, dropout = 0.3	50	1E-03	60	44.27%
aa.us.csv	MultiLabel LSTM	LSTM (Hidden=16, Layers=2), 2 fc, dropout = 0.3	50	1E-03	250	82.21%
aa.us.csv	MultiLabel LSTM	LSTM (Hidden=64, Layers=1), 2 fc, dropout = 0.3	50	1E-03	250	91.65%

