Evaluation Metrics:

Model: LSTM (Long Short Term Memory)

Metrics:

Accuracy: 0.77 Recall: 0.75 Precision: 0.75 Loss: 0.49

```
skeras.src callbacks.history.History object at 0x0000022A488A04#
Detailed Training and Validation Metrics:
Epoch 1: Accuracy = 0.7674, Precision = 0.7674, Recall = 0.7674
Process the Long Short Term Memory for test
```

Model: LSTM (Long Short Term Memory)

Metrics:

mse (mean squared error): 0.1392

val loss (loss): 0.1466

Val_mae (mean_absolute_error): 0.2809

Val mape (mean absolute percentage error): 140474592.0000

val mse: 0.1466

Loading train and test data Data loaded

Layer (type)	Output Shape	Param #
embedding (Embedding)	?	0 (unbuilt)
<pre>spatial_dropout1d (SpatialDropout1D)</pre>	?	0
1stm (LSTM)	?	0 (unbuilt)
dense (Dense)	?	0 (unbuilt)

— 623s 78ms/step - loss: 0.1664 - mae: 0.3319 - mape: 165934064.0000 - mse: 0.1664 - val_loss: 0.1516 - val_mae: 0.3038 - val_mape: 151905872.0000 - val_mse: 0.1516 624s 78ms/step - loss: 0.1513 - mae: 0.3023 - mape: 151153584.0000 - mse: 0.1513 - val loss: 0.1496 - val mae: 0.2966 - val mape: 148324112.0000 - val mse: 0.1496 629s 79ms/step - loss: 0.1486 - mae: 0.2966 - mape: 148319120.0000 - mse: 0.1486 - val_loss: 0.1486 - val_mae: 0.2918 - val_mape: 145890224.0000 - val_mse: 0.1486 627s 78ms/step - loss: 0.1465 - mae: 0.2923 - mape: 146146832.0000 - mse: 0.1465 - val loss: 0.1475 - val mae: 0.2899 - val mape: 144942368.0000 - val mse: 0.1475 635s 79ms/step - loss: 0.1448 - mae: 0.2890 - mape: 144479184.0000 - mse: 0.1448 - val_loss: 0.1470 - val_mae: 0.2892 - val_mape: 144585632.0000 - val_mse: 0.1470 ______635s 79ms/step - loss: 0.1436 - mae: 0.2864 - mape: 143185648.0000 - mse: 0.1436 - val loss: 0.1469 - val mae: 0.2861 - val mape: 143035456.0000 - val mse: 0.1469 8800/8800 | 6355 77ms/step - loss: 0.1436 - mae: 0.2864 - mape: 141885648.0000 - mse: 0.1436 - val_loss: 0.1467 - val_mae: 0.2861 - val_mape: 143035455.0000 - val_mse: 0.1467 | poch 7/13 | 8000/8000 | 6345 77ms/step - loss: 0.1417 - mae: 0.2266 - mape: 141284256.0000 - mse: 0.1419 - val_loss: 0.1473 - val_mae: 0.2869 - val_mape: 143436496.0000 - val_mse: 0.1473 | poch 7/13 | 8000/8000 | 6428 80ms/step - loss: 0.1412 - mae: 0.2811 - mape: 140525232.00000 - mse: 0.1412 - val_loss: 0.1467 - val_mae: 0.2807 - val_mape: 14037440.0000 - val_mse: 0.1467 | poch 7/13 | poc