**LSTM**

Cosmos Coin

loss='mse', optimizer='RMSprop', epochs=5,batch\_size=32, RMSE = 7.133795585986294

loss='mae', optimizer='Adam', epochs=5,batch\_size=64, RMSE = 7.057129024329958

loss='mse', optimizer='RMSprop', epochs=5,batch\_size=32, RMSE = 6.698110047579166

loss='mae', optimizer='Adam' epochs=10,batch\_size=32, RMSE= 6.586433473832015

loss='mae', optimizer='RMSprop', epochs=20,batch\_size=32, RMSE = 5.9422456105340435

loss='mse', optimizer='Adam', epochs=5,batch\_size=64, RMSE = 4.595397186981074

loss='mse', optimizer='Adagrad' epochs=10,batch\_size=32, RMSE= 3.652159301709808

loss='mse', optimizer='Adagrad epochs=15,batch\_size=64, RMSE= 2.242449301759700

loss='mse', optimizer='adadelta',epochs=10,batch\_size=32, RMSE= 0.4072888176120679

loss='mse', optimizer='adadelta',epochs=5,batch\_size=64,RMSE= 0.10747909945905769

tron Coin

loss='mae', optimizer='Adagrad', epochs=5,batch\_size=32,RMSE= 5.428445234117605

loss='mae', optimizer='RMSprop', epochs=10,batch\_size=64,RMSE= 5.200803673859869

loss='mae', optimizer='Adam', epochs=10,batch\_size=32,RMSE= 4.417221306207068

loss='mse', optimizer='Adam', epochs=5,batch\_size=32,RMSE= 4.4906574362223015

loss='mae', optimizer='RMSprop', epochs=5,batch\_size=32,RMSE= 4.820560118935477

loss='mse', optimizer='RMSprop', epochs=5,batch\_size=32,RMSE= 3.7963939054234563

loss='mae', optimizer='adadelta', epochs=20,batch\_size=32,RMSE= 1.0357257504651713

loss='mse', optimizer='adadelta', epochs=5,batch\_size=64,RMSE= 0.6366200698501034

loss='mae', optimizer='adadelta', epochs=10,batch\_size=32,RMSE= 0.4426526840109681

Coin\_Tether

loss='mse', optimizer='Adam', epochs=20,batch\_size=32, RMSE= 0.46889082713265146

loss='mae', optimizer='Adam', epochs=10,batch\_size=64, RMSE= 0.447119720689568

loss='mse', optimizer='RMSprop', epochs=5,batch\_size=64,RMSE= 0.3870633650863499

loss='mae', optimizer='RMSprop', epochs=10,batch\_size=32,RMSE= 0.3668564773926567

loss='mae', optimizer='Adagrad', epochs=10,batch\_size=32,RMSE= 0.22493427914820455

loss='mae', optimizer='Adagrad', epochs=5,batch\_size=32,RMSE= 0.1515785660278953

loss='mse', optimizer='adadelta', epochs=20,batch\_size=64,RMSE=0.14862716054032124

loss='mae', optimizer='adadelta', epochs=10,batch\_size=32,RMSE=0.0827269718348194

loss='mse', optimizer='adadelta', epochs=5,batch\_size=64,RMSE=0.04394634662044697

coin\_XRP

loss='mse', optimizer='Adagrad', epochs=10,batch\_size=64,RMSE= 6.038383458953768

loss='mae', optimizer='Adagrad', epochs=20,batch\_size=32,RMSE= 5.640383458953768

loss='mae', optimizer='Adam', epochs=5,batch\_size=32,RMSE= 5.451869426869942

loss='mse', optimizer='Adam', epochs=10,batch\_size=64,RMSE= 5.262047294144864

loss='mse', optimizer='adadelta', epochs=20,batch\_size=64,RMSE= 3.569223820148684

loss='mae', optimizer='adadelta', epochs=10,batch\_size=32,RMSE= 1.1965213732195852

loss='mae', optimizer='adadelta', epochs=5,batch\_size=32,RMSE= 0.2994958161979624

loss='mae', optimizer='Adam', epochs=5,batch\_size=32,RMSE= 5.451869426869942

Adagrad RMSprop Adam adadelta

**BLSTM**

Coin\_EOS

loss='mse', optimizer='adadelta',epochs=10,batch\_size=32, RMSE= 0.18091640862584232

loss='mse', optimizer='adadelta',epochs=5,batch\_size=32, RMSE= 0.3872162072220978

loss='mse', optimizer='adadelta',epochs=20,batch\_size=32, RMSE= 0.7516348177568346

loss='mse', optimizer='adadelta',epochs=15,batch\_size=32, RMSE= 0.814958830542475

loss='mse', optimizer='adam', epochs=10,batch\_size=32, RMSE= 4.636418278767484

loss='mse', optimizer='adam', epochs=5,batch\_size=32, RMSE= 4.685780868035434

loss='mse', optimizer='adam', epochs=20,batch\_size=32, RMSE= 4.095855036348168

loss='mse', optimizer='adam', epochs=40,batch\_size=32, RMSE= 3.036578123458906

loss='mae', optimizer='Adagrad',epochs=10,batch\_size=64, RMSE= 5.15723294979705

loss='mae', optimizer='Adagrad',epochs=10,batch\_size=32, RMSE= 5.395316372460674

Coin\_Ethereum

loss='mse', optimizer='adadelta', epochs=5,batch\_size=32, RMSE= 0.20343867254760117

loss='mae', optimizer='adadelta', epochs=5,batch\_size=32, RMSE= 0.46387148968848557

loss='mse', optimizer='adadelta', epochs=10,batch\_size=32, RMSE= 0.8039773047773136

loss='mse', optimizer='Adam', epochs=10,batch\_size=32, RMSE= 4.6985104133217135

loss='mae', optimizer='Adagrad', epochs=10,batch\_size=32, RMSE= 4.935656735034511

loss='mae', optimizer='RMSprop',epochs=5,batch\_size=32,RMSE= 4.797299171259568

lota coin doesn’t work

**coin\_lite.csv**

loss='mean\_squared\_error', optimizer='adam',epochs=10,batch\_size=32

RMSE= 5.496579348046334

loss='mean\_squared\_error', optimizer='adadelta',epochs=10,batch\_size=32

RMSE= 0.109087564534789

**Coin\_Monero.csv**

loss='mean\_squared\_error', optimizer='adadelta',epochs=10,batch\_size=32

RMSE= 0.9474238666260019

loss='mean\_squared\_error', optimizer='adadelta',epochs=10,batch\_size=32

RMSE= 0.13621547609651413

**Coin\_NEM\_CSV**

loss='mean\_squared\_error', optimizer='adadelta',epochs=5,batch\_size=32, RMSE= 0.4706609677565276

loss='mean\_squared\_error', optimizer='adadelta',epochs=10,batch\_size=32, RMSE= 0.2036741309858204

**COIN\_Polkadot\_CSV**

loss='mean\_squared\_error', optimizer='adadelta',epochs=5,batch\_size=32, RMSE= 0.3056609664565279

loss='mean\_squared\_error', optimizer='adadelta',epochs=10,batch\_size=32, RMSE= 0.5030785653334668

loss='mae', optimizer='adam',epochs=15,batch\_size=32, RMSE= 2.4706609677565276

loss='mae',optimizer='adagrad',epochs=5,batch\_size=32,RMSE= 3,0987621356496321