lần 1:

Best LSTM: -0.000757 using {'units': 256, 'learning\_rate': 0.001, 'dropout\_rate': 0.0, 'activation': 'sigmoid'}

Fitting 3 folds for each of 10 candidates, totalling 30 fits

Best GRU: -0.000889 using {'units': 256, 'learning\_rate': 0.001, 'dropout\_rate': 0.0, 'activation': 'sigmoid'}

Fitting 3 folds for each of 10 candidates, totalling 30 fits

Best RNN: -0.000628 using {'units': 256, 'learning\_rate': 0.001, 'dropout\_rate': 0.0, 'activation': 'sigmoid'}

6/6 [==============================] - 0s 16ms/step

6/6 [==============================] - 0s 8ms/step

6/6 [==============================] - 0s 5ms/step

MSE (LSTM) for each column:

USD\_W: 0.0011226041242702713

DT\_W: 0.0023456355024269854

V\_W: 0.004402072796544437

MSE (GRU) for each column:

USD\_W: 5.0238948436218704e-05

DT\_W: 0.0009902401082657586

V\_W: 0.0006733561617205672

MSE (RNN) for each column:

USD\_W: 0.00014023094056576864

DT\_W: 0.0010969795324556786

V\_W: 0.0010242970205340616

lần 2:

Best LSTM: -0.002461 using {'units': 128, 'learning\_rate': 0.005, 'dropout\_rate': 0.25, 'activation': 'tanh'}

Fitting 3 folds for each of 10 candidates, totalling 30 fits

Best GRU: -0.001233 using {'units': 128, 'learning\_rate': 0.005, 'dropout\_rate': 0.25, 'activation': 'tanh'}

Fitting 3 folds for each of 10 candidates, totalling 30 fits

Best RNN: -0.003469 using {'units': 70, 'learning\_rate': 0.001, 'dropout\_rate': 0.5, 'activation': 'tanh'}

MSE (LSTM) for each column:

USD\_W: 0.00013817872253338745

DT\_W: 0.0024160506976038513

V\_W: 0.0008258601686377269

MSE (GRU) for each column:

USD\_W: 0.002053475046789067

DT\_W: 0.005951446074399755

V\_W: 0.006634826881925219

MSE (RNN) for each column:

USD\_W: 0.0004360023217365696

DT\_W: 0.0013710023907733792

V\_W: 0.0008442628962039028

Lần 3:

Best LSTM: -0.001275 using {'units': 256, 'learning\_rate': 0.001, 'dropout\_rate': 0.0, 'activation': 'sigmoid'}

Fitting 3 folds for each of 10 candidates, totalling 30 fits

Best GRU: -0.000734 using {'units': 256, 'learning\_rate': 0.001, 'dropout\_rate': 0.0, 'activation': 'sigmoid'}

Fitting 3 folds for each of 10 candidates, totalling 30 fits

Best RNN: -0.000717 using {'units': 256, 'learning\_rate': 0.001, 'dropout\_rate': 0.0, 'activation': 'sigmoid'}

6/6 [==============================] - 0s 14ms/step

6/6 [==============================] - 0s 11ms/step

6/6 [==============================] - 0s 4ms/step

MSE (LSTM) for each column:

USD\_W: 0.00011170311924880609

DT\_W: 0.0013732390051805611

V\_W: 0.006482457675943666

MSE (GRU) for each column:

USD\_W: 6.38005576406853e-05

DT\_W: 0.0010197867623302499

V\_W: 0.0007540017905973499

MSE (RNN) for each column:

USD\_W: 0.000516472585066998

DT\_W: 0.0013062177158508488

V\_W: 0.0006929194171738303