

Option C – Task 4

Adapting the code from the p1 example was fairly straightforward, needed to change `batch_input_shape` to `input_shape` and remove `None` due to errors.

Using GRU gave the biggest difference between actual and prediction, and over estimated prices,

RNN also overestimated

LSTM underestimated.

Using mean squared error had more accurate results than absolute

The combinations of GRU, mean absolute error with Nadam optimizer, LSTM mean absolute error with Nadam optimizer and LSTM, mean squared error with Adam optimiser gave particularly good results.

Increasing layers to 5 increased accuracy but going over 5 layers decreased accuracy.