

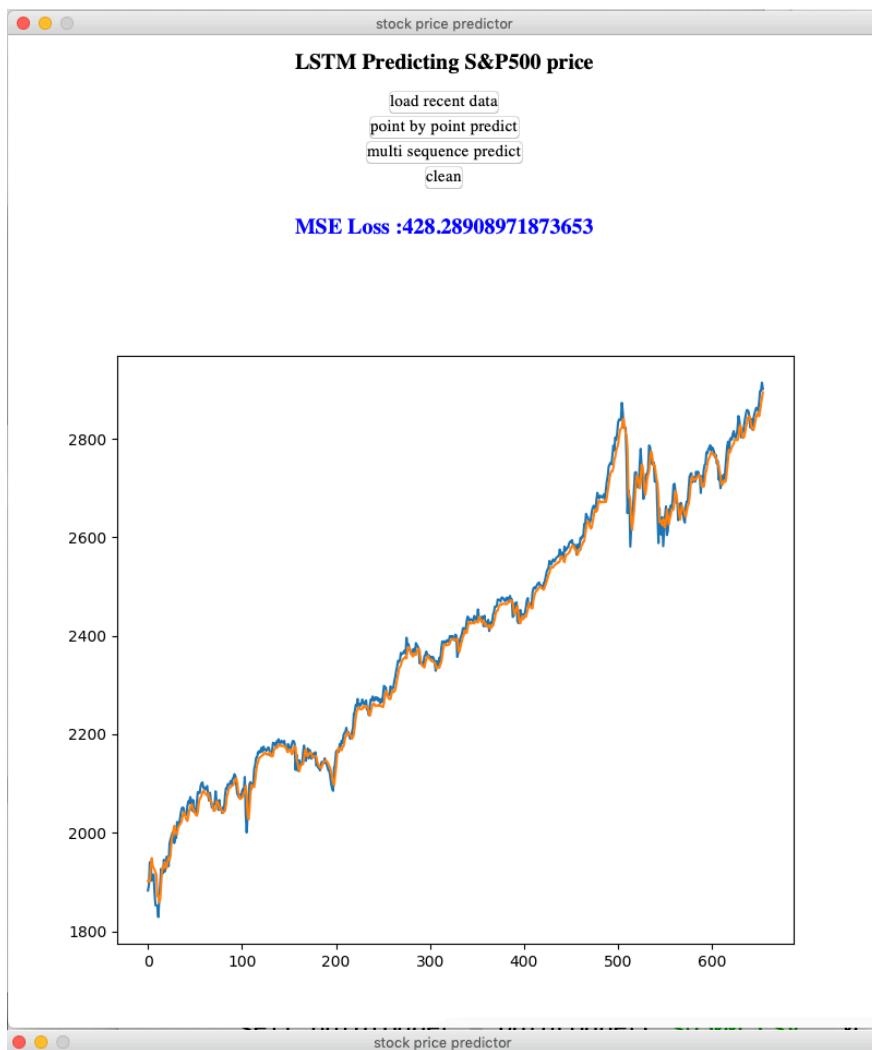
Youtube link : <https://youtu.be/mdDA3cLt-tY>

To run my GUI, first install python3 and tkinter. Only installing the normal tkinter may not work. I installed tkinter using command “sudo apt-get install python3-tk” and then it worked. Also install all the imported packages such as pandas, matplotlib and pickle.

Type “python GUI_stock.py” to start running. First click the load recent data button, then the true price would be shown (fake data now). To predict, you have two options : point by point predict and multi sequence predict. Choose one and the prediction will also be shown on the canvas. If you choose multi sequence predict, the text below the buttons will show the predicting trend (rise or decline). Although the input data is fake, the remain parts such as predicting and calculating MSE loss are real. I’m just using test set data as input for now.

The tests and demos was done on my Mac computer, probably it would also work on Ubuntu. If not, some minor fix could make it works. I’ll try to setup the Ubuntu environment and test my GUI on Ubuntu as soon as possible.

Please take a look at some screenshots in the following page.



LSTM Predicting S&P500 price

load recent data
point by point predict
multi sequence predict
clean

MSE Loss :8781.79893460315

