Snapshot of the algorithm and data collected for the RNN-LSTM with attention

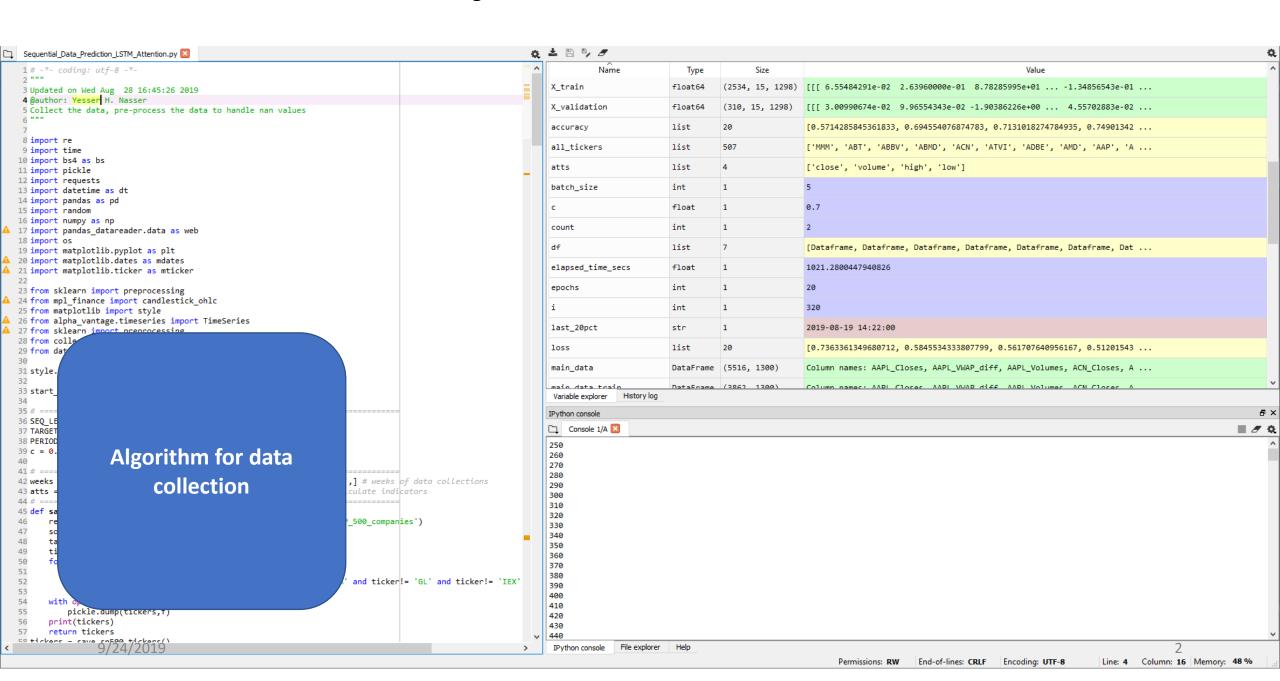
Ongoing Application: High Frequency Quant Trading strategies using machine learning.

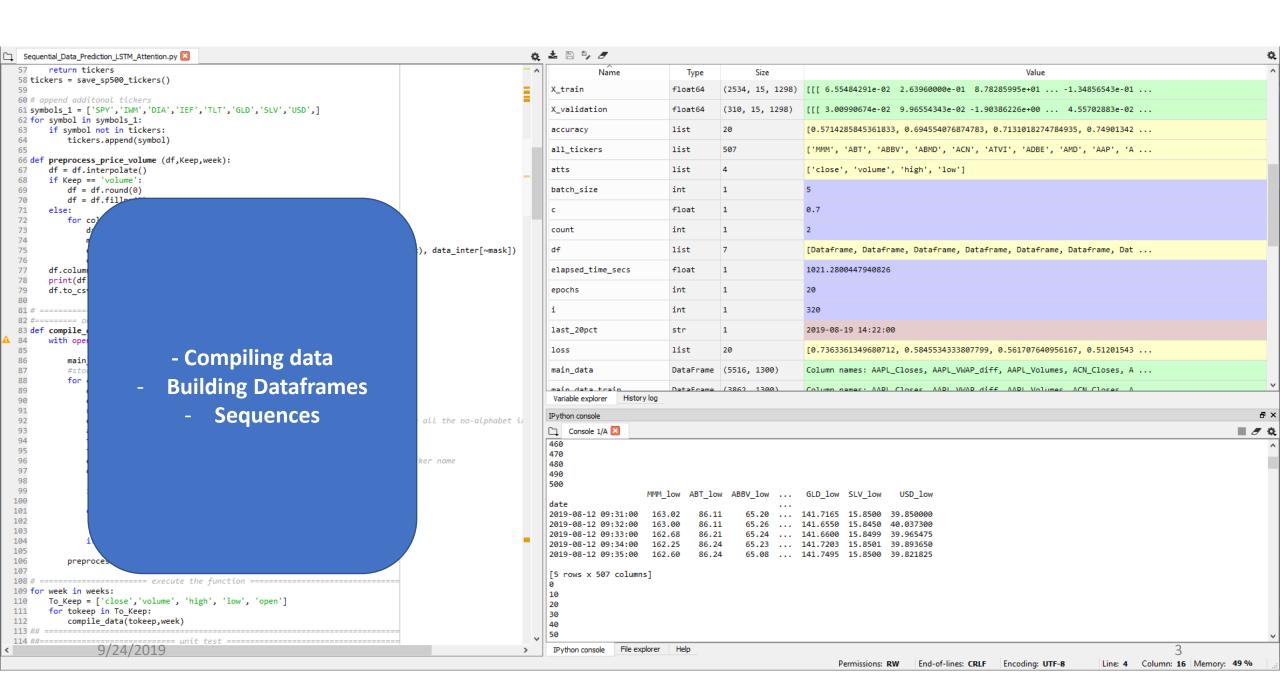
Author: Yesser Nasser, PhD

Quantitative Data Scientist – Machine Learning Engineer

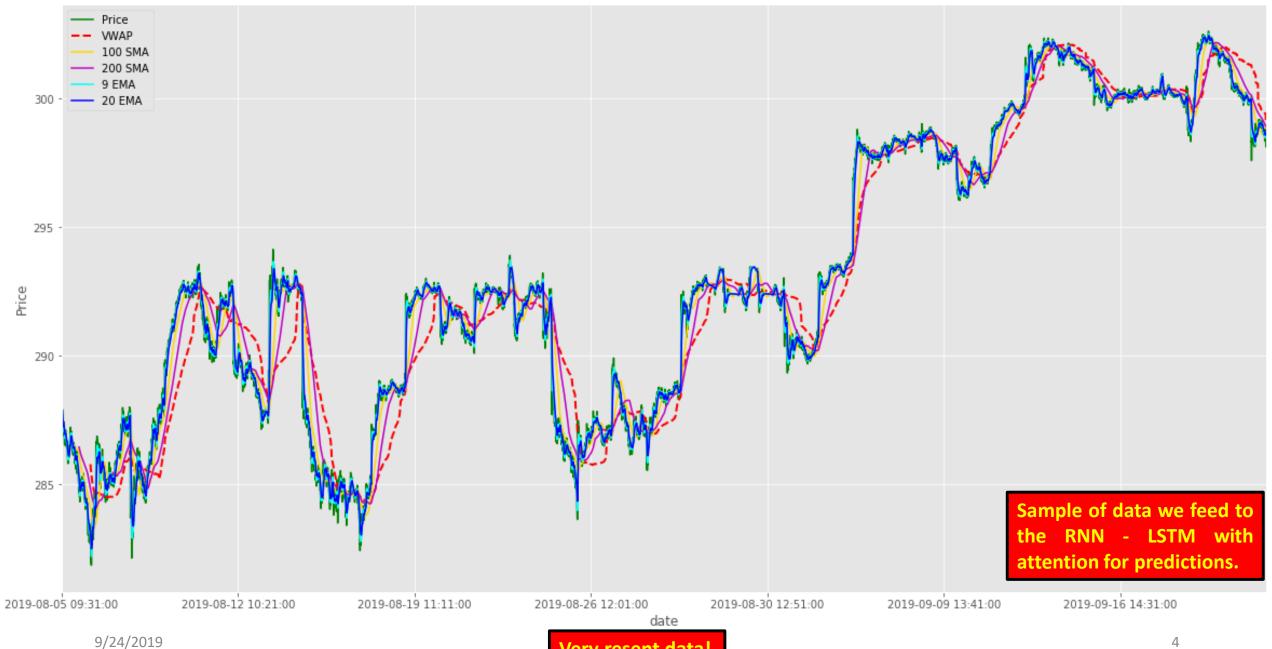
Yesser.Nasser@icloud.com

Algorithm Part 1: data collection





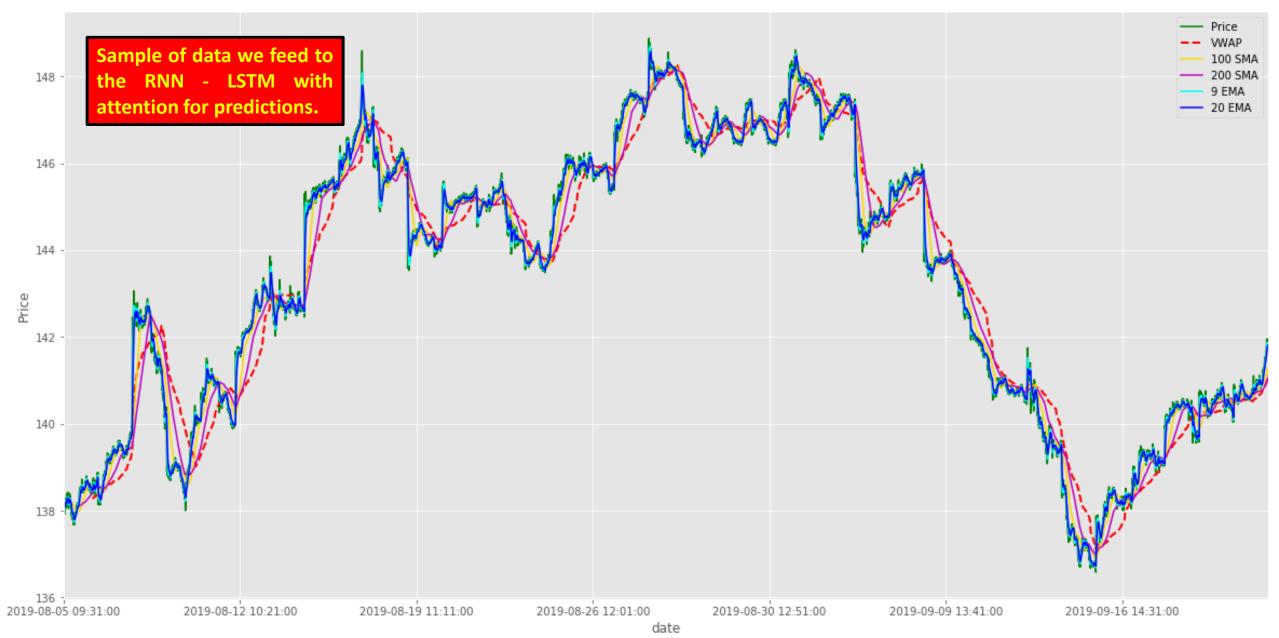
SPY



N.B: Time frame: 1 min

Very resent data!

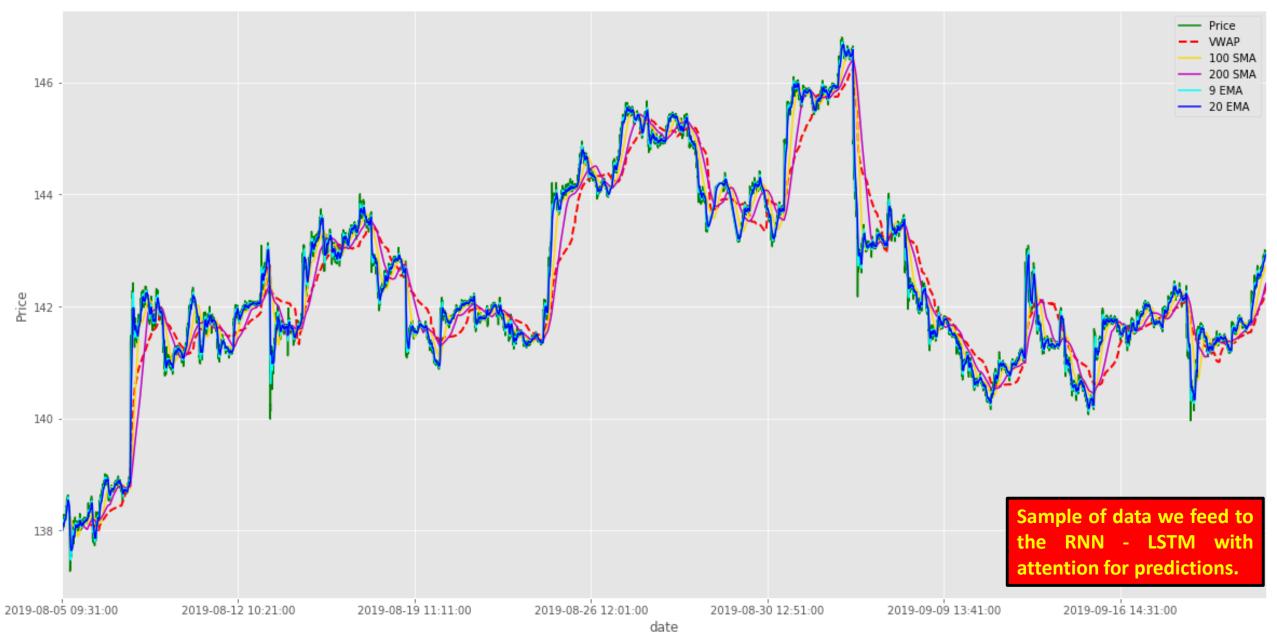
TLT



9/24/2019

N.B: Time frame: 1 min

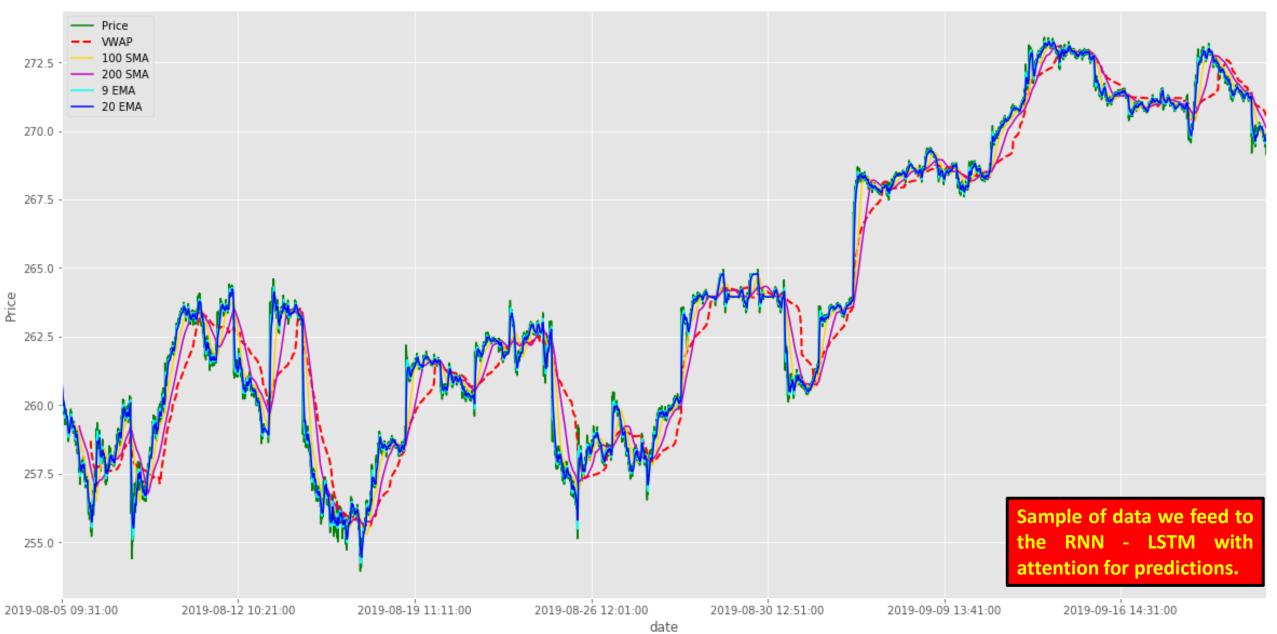
GLD



9/24/2019

N.B: Time frame : 1 min

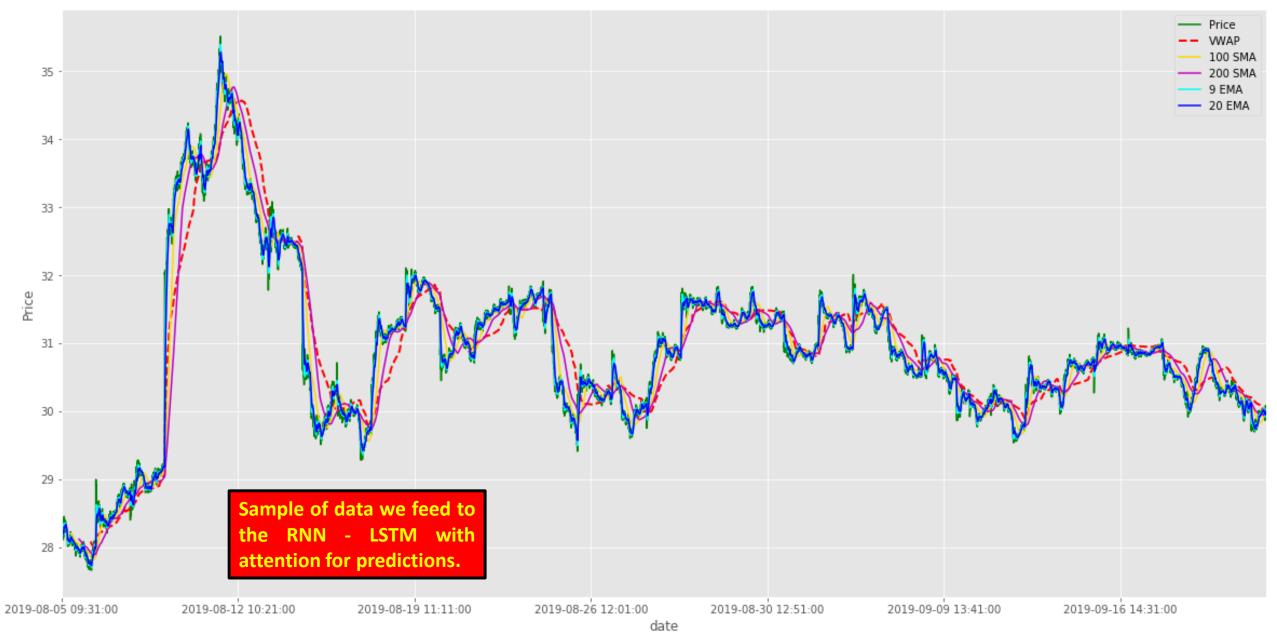
DIA



9/24/2019

N.B: Time frame: 1 min

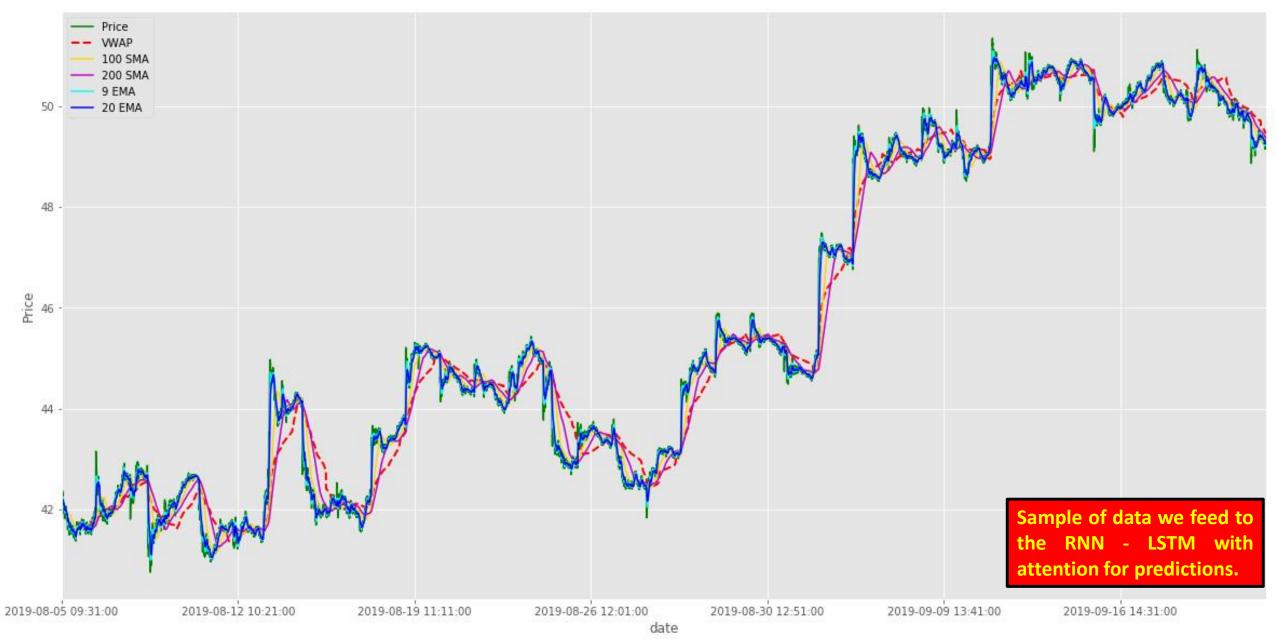
Stock Price - AMD



9/24/2019

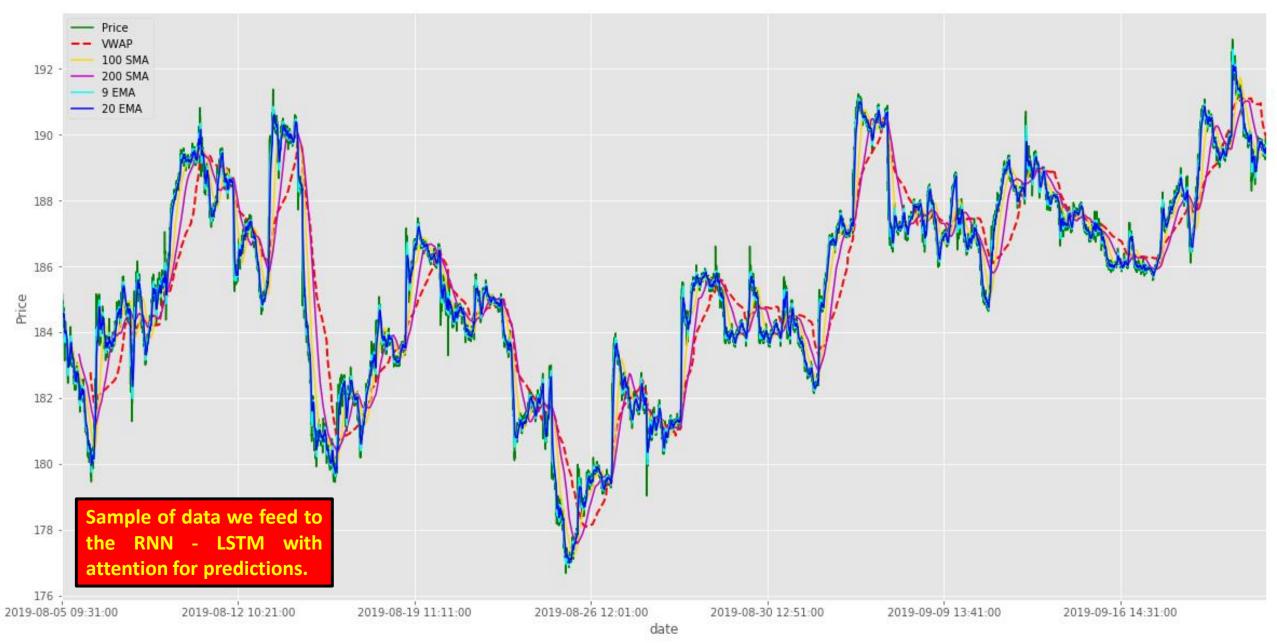
N.B: Time frame: 1 min

Stock Price - MU



9/24/2019

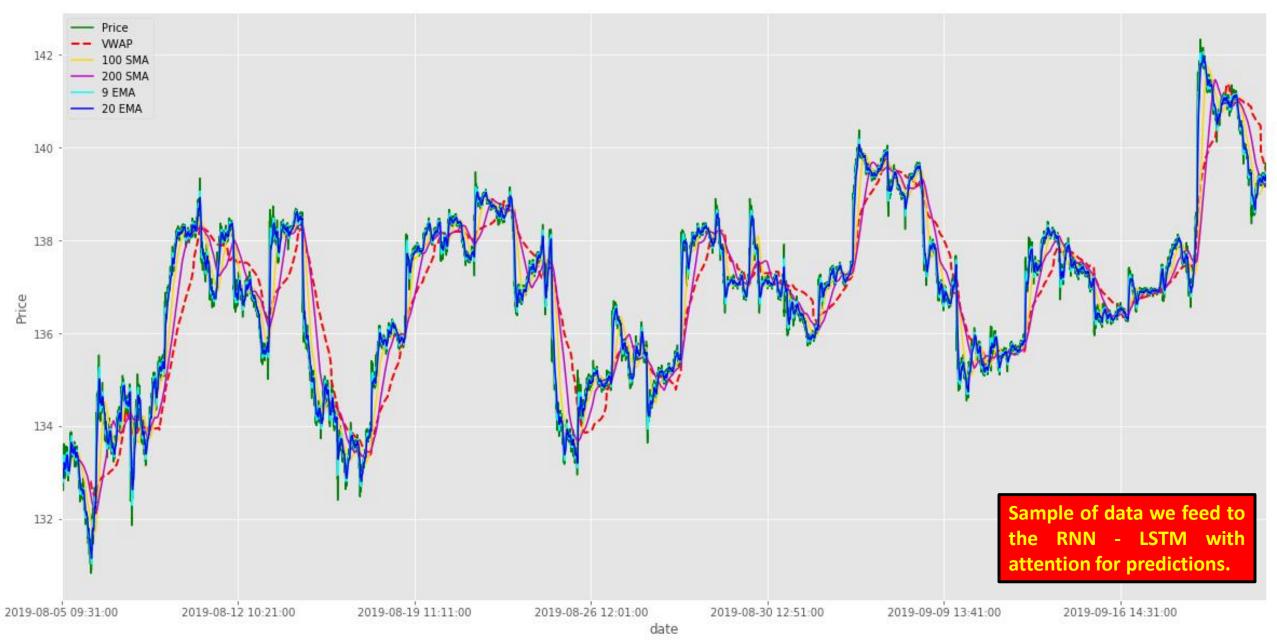
Stock Price - FB



9/24/2019

N.B: Time frame: 1 min

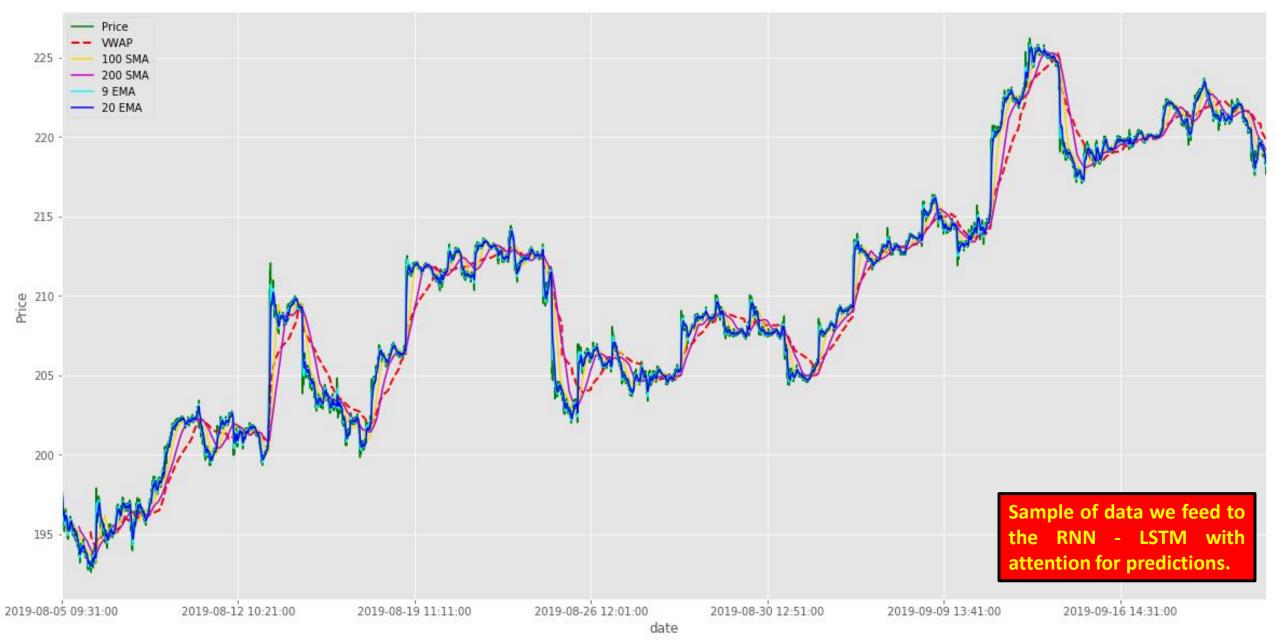
Stock Price - MSFT



9/24/2019

N.B: Time frame: 1 min

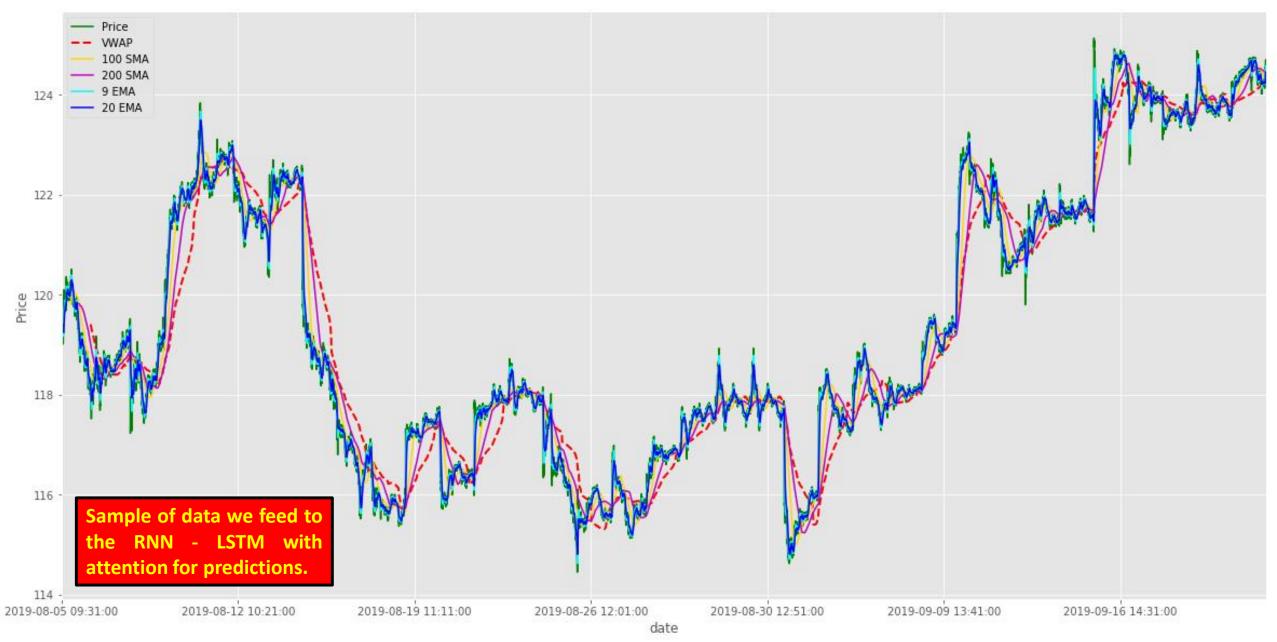
Stock Price - AAPL



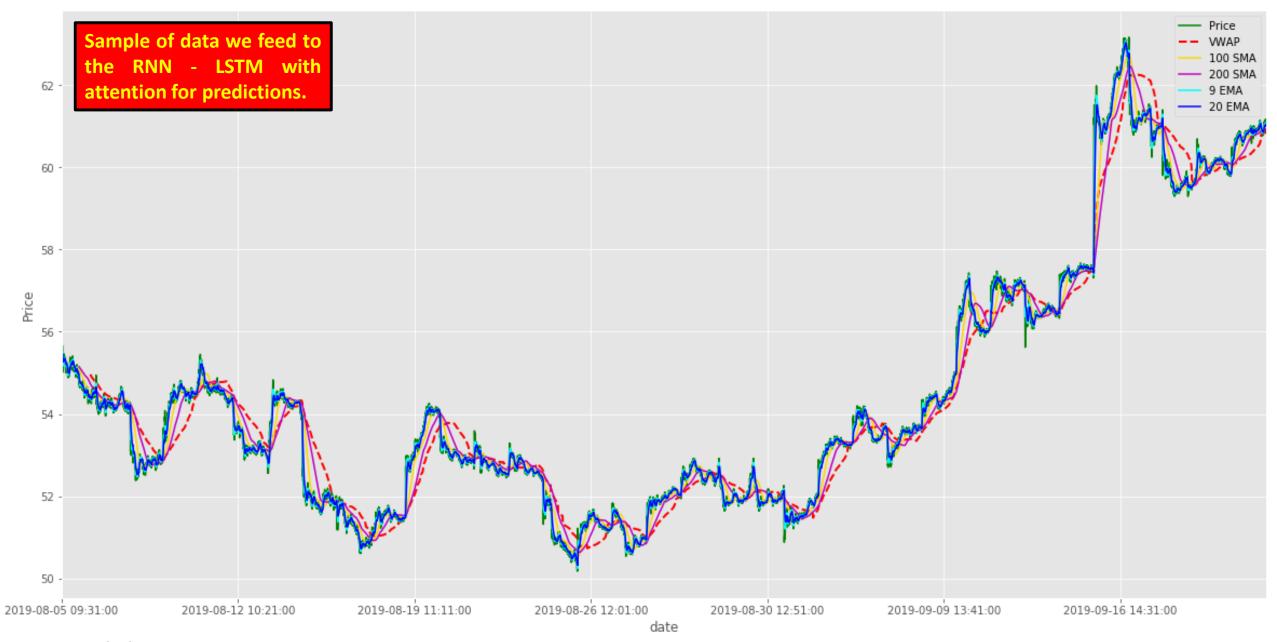
9/24/2019

N.B: Time frame: 1 min

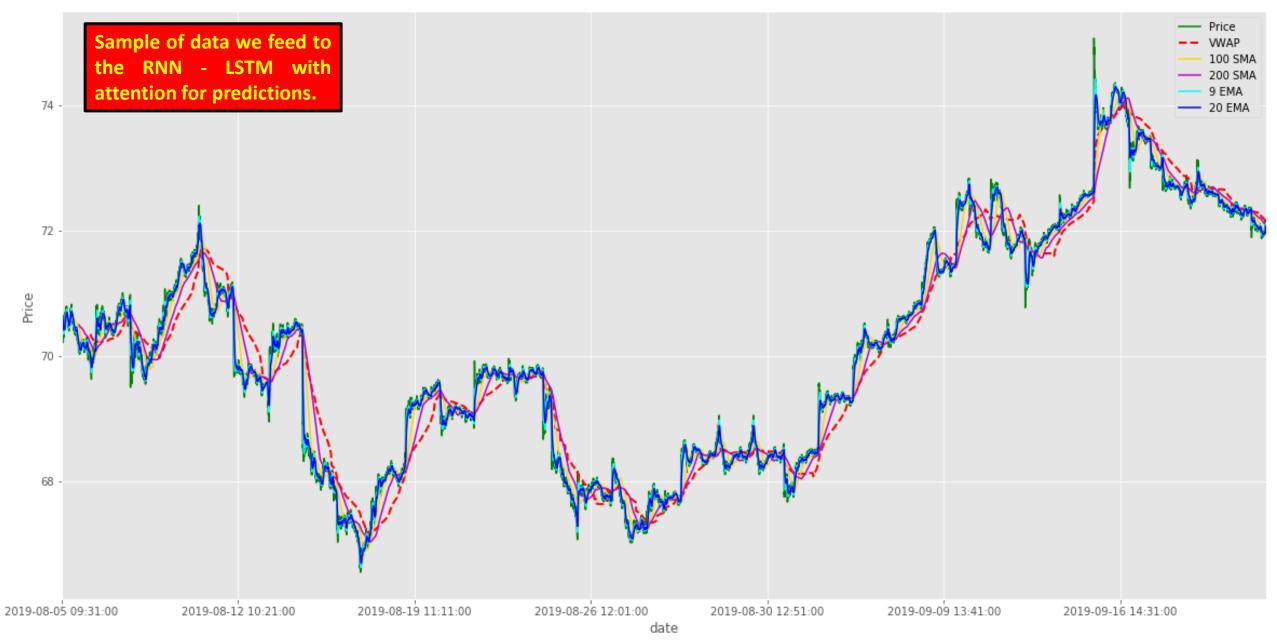
Stock Price - CVX



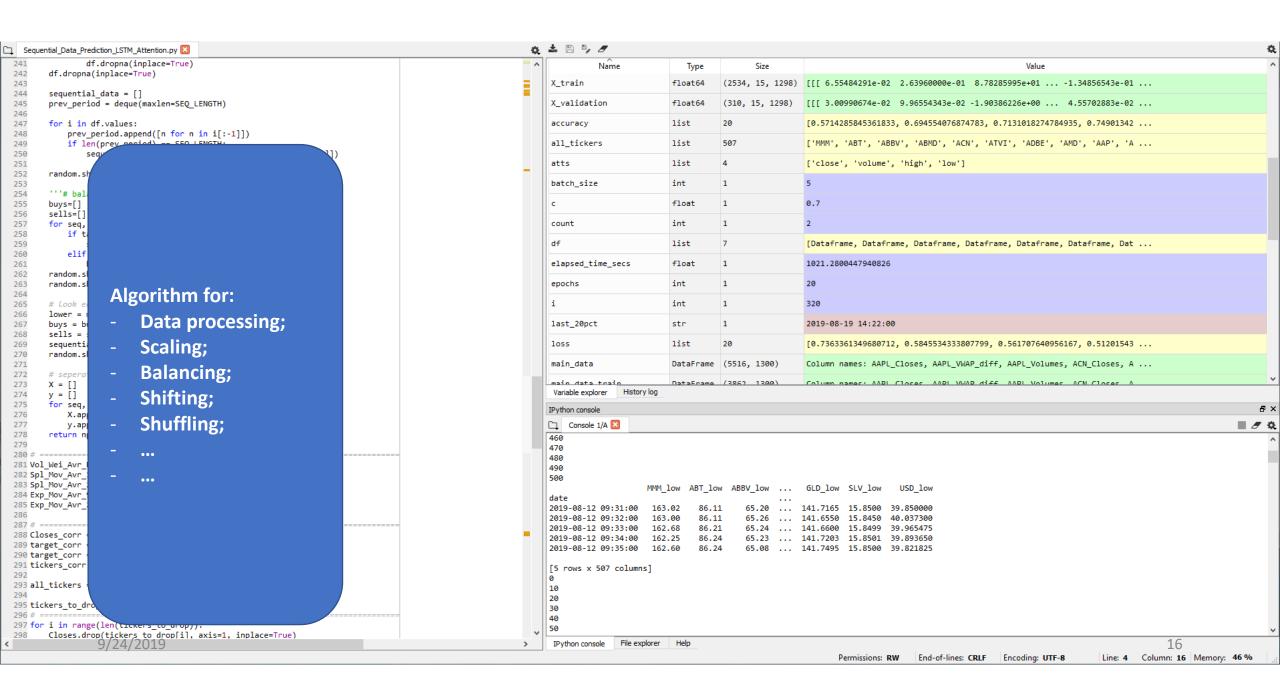
Stock Price - COP



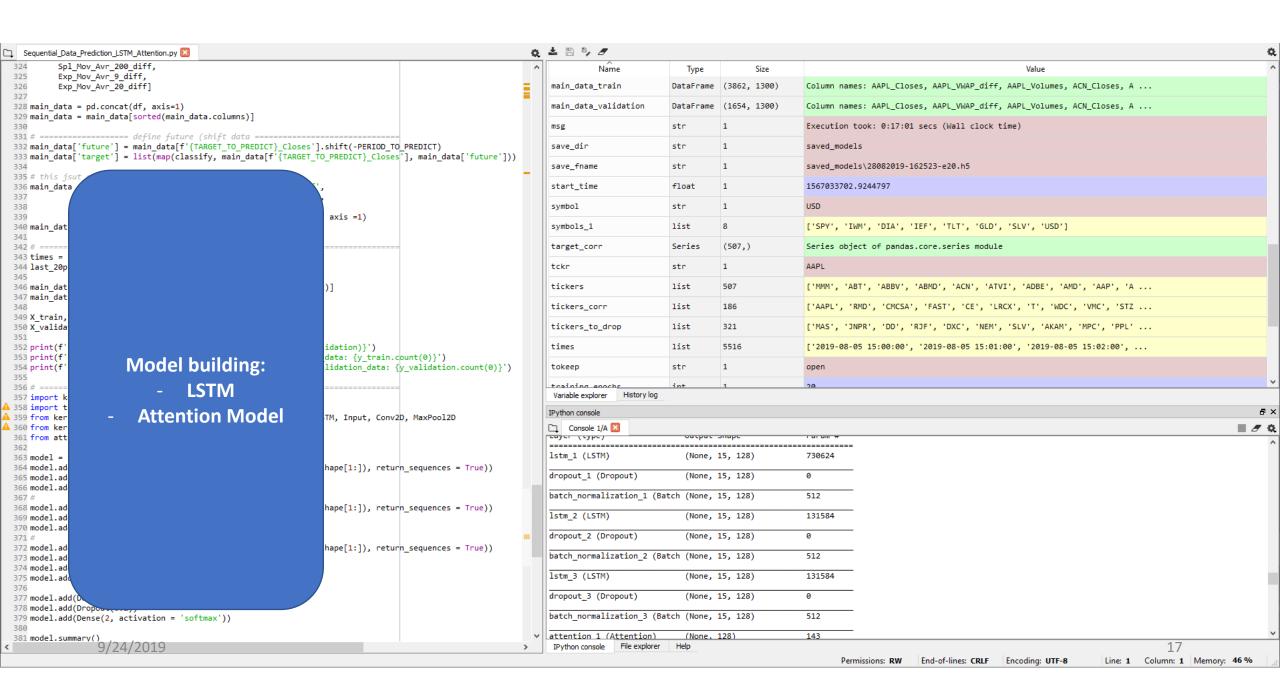
Stock Price - XOM



Algorithm Part 2: Data preprocessing



Algorithm Part 2: Model building



Algorithm Part 3: Running Model – preliminary results

