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

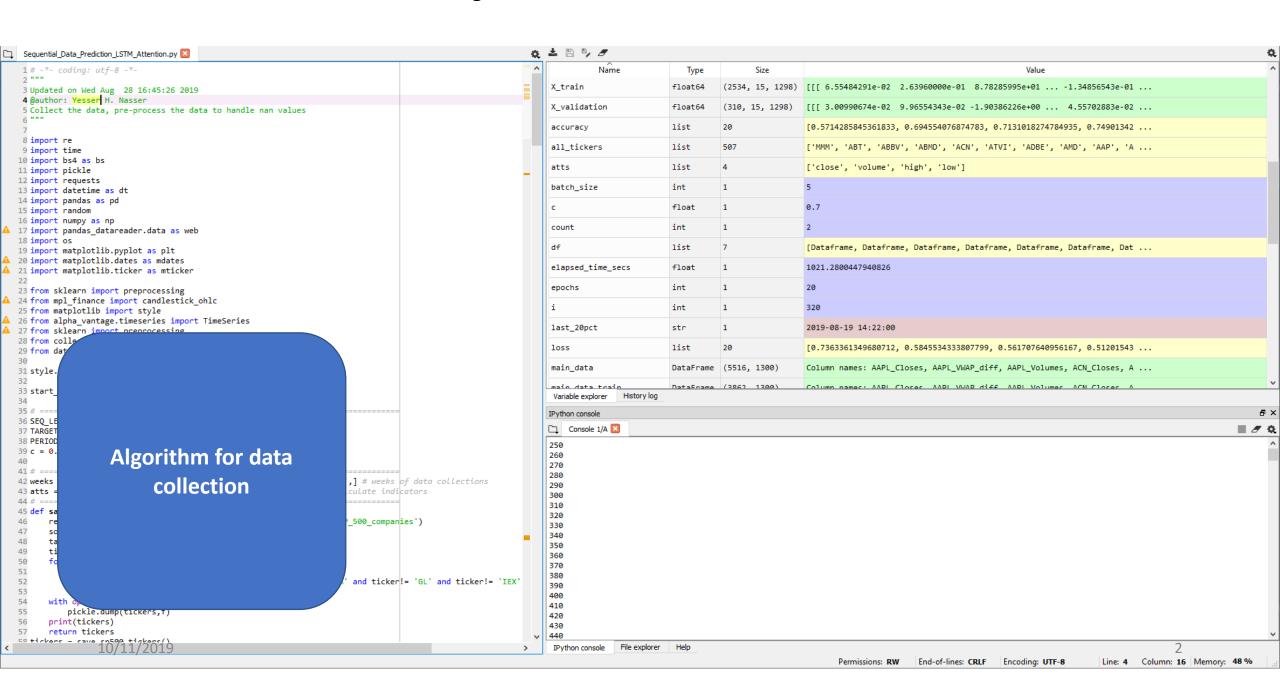
Ongoing Application: High Frequency Quant Trading strategies using machine learning.

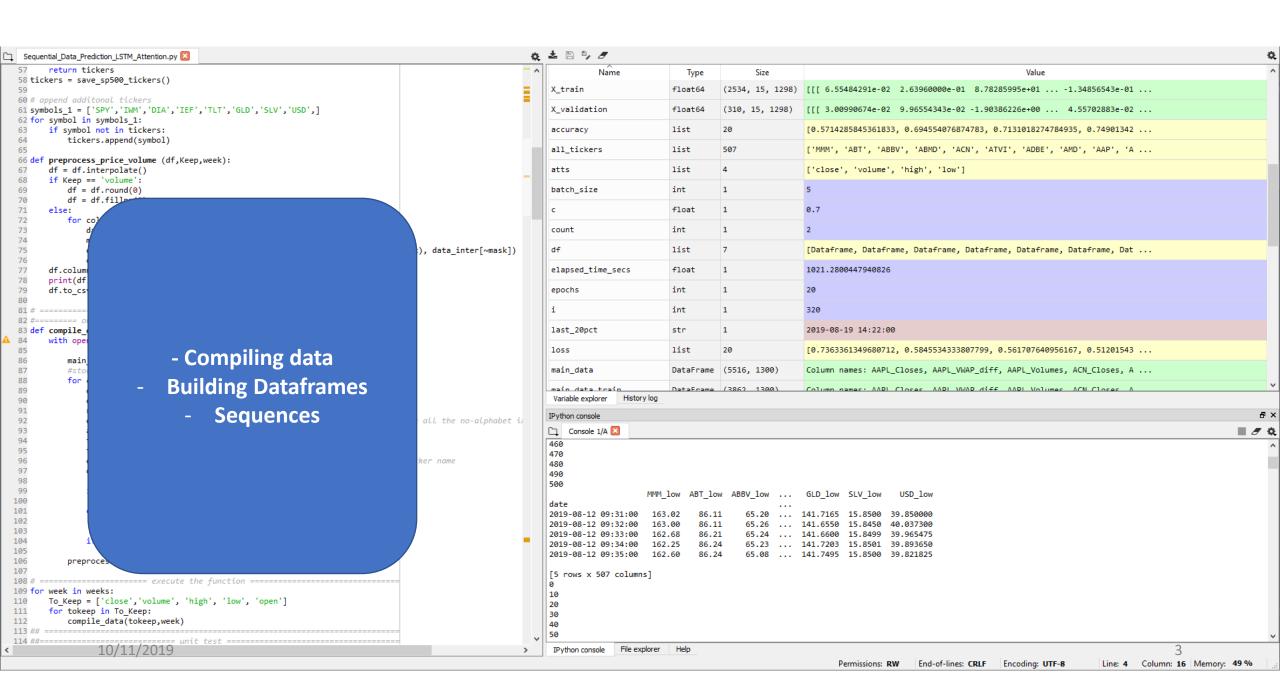
Author: Yesser Nasser, PhD

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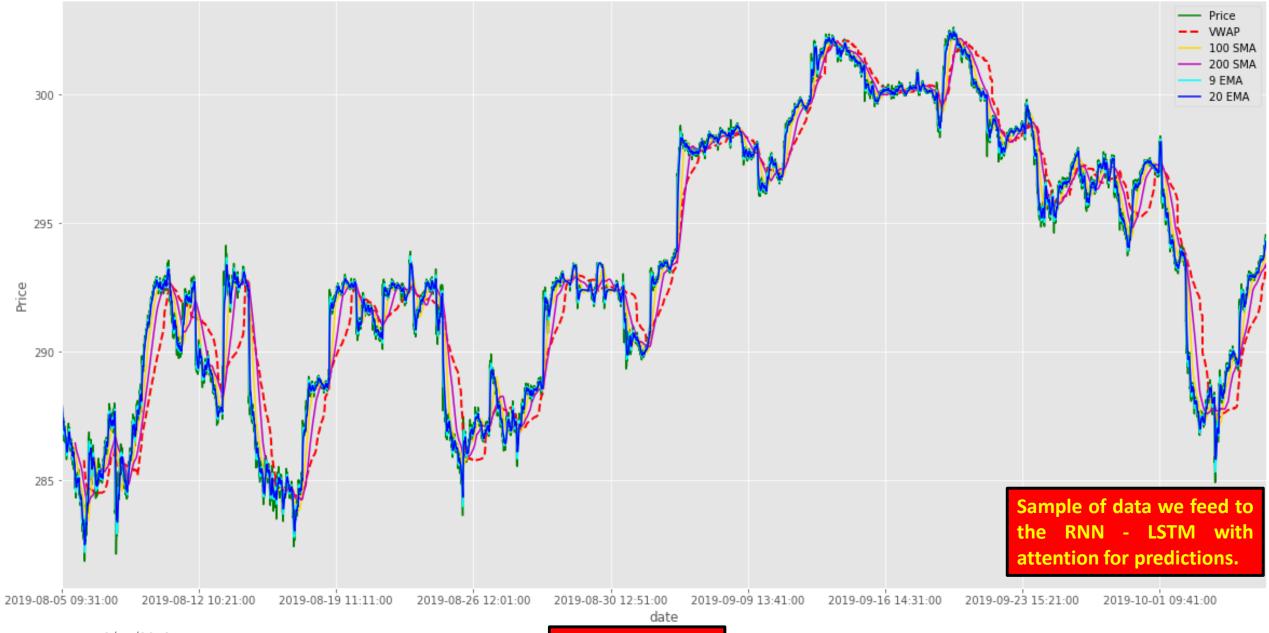
Yesser.Nasser@icloud.com

### Algorithm Part 1: data collection

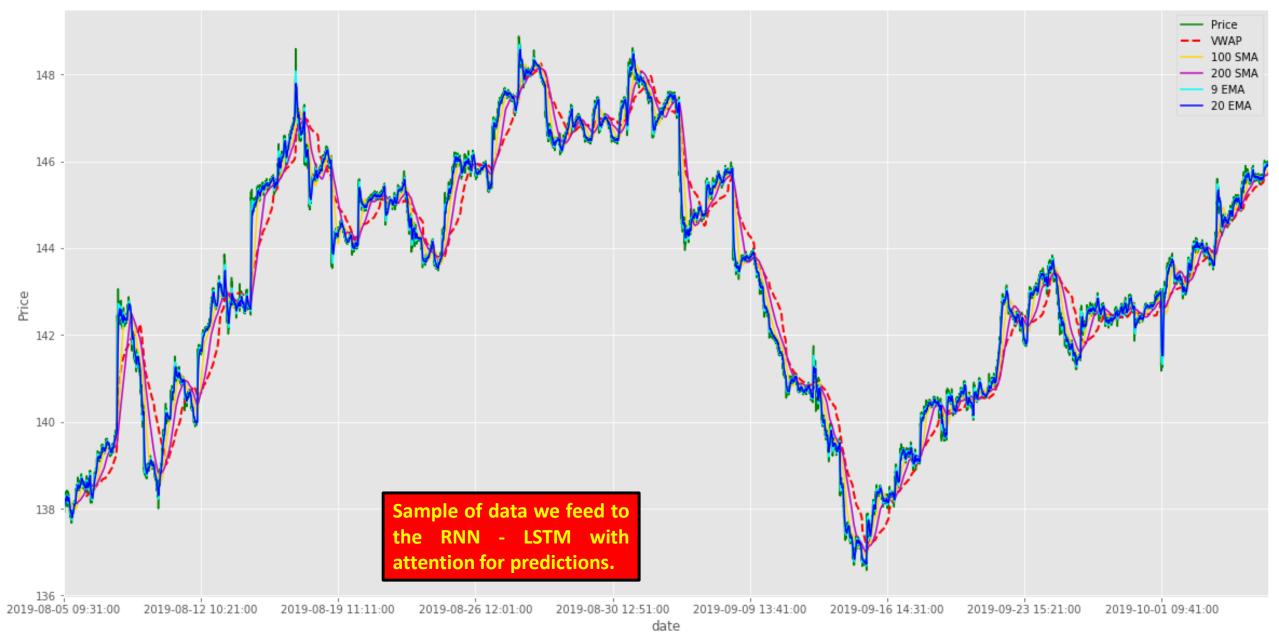




# **SPY**

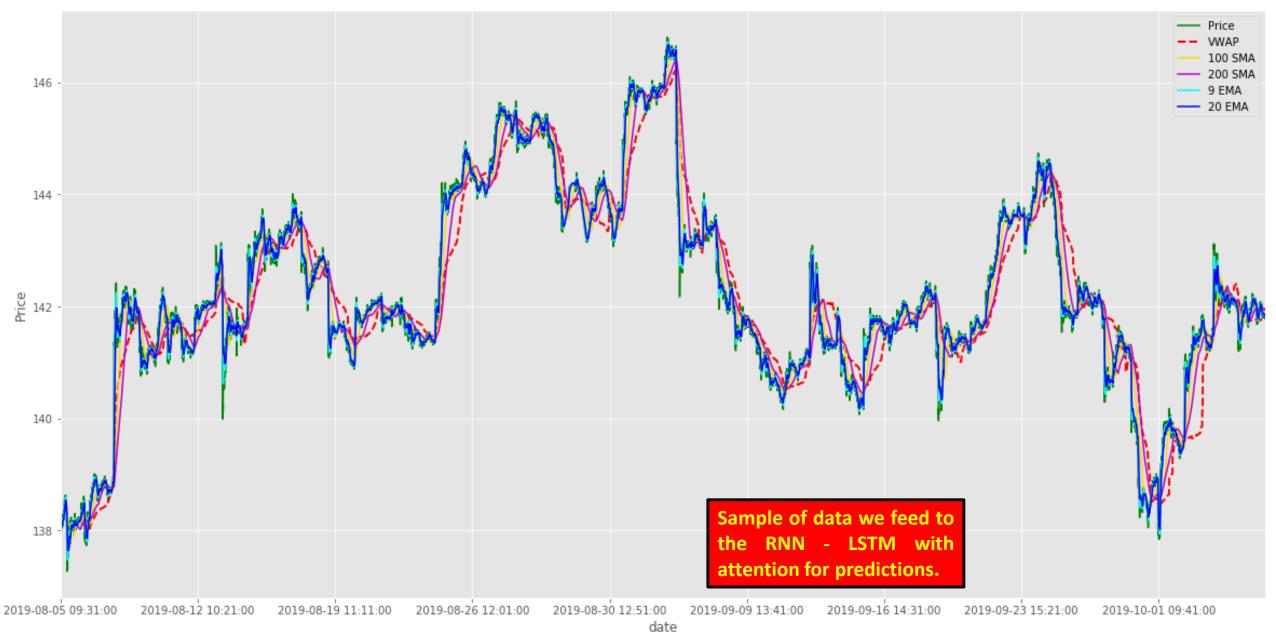




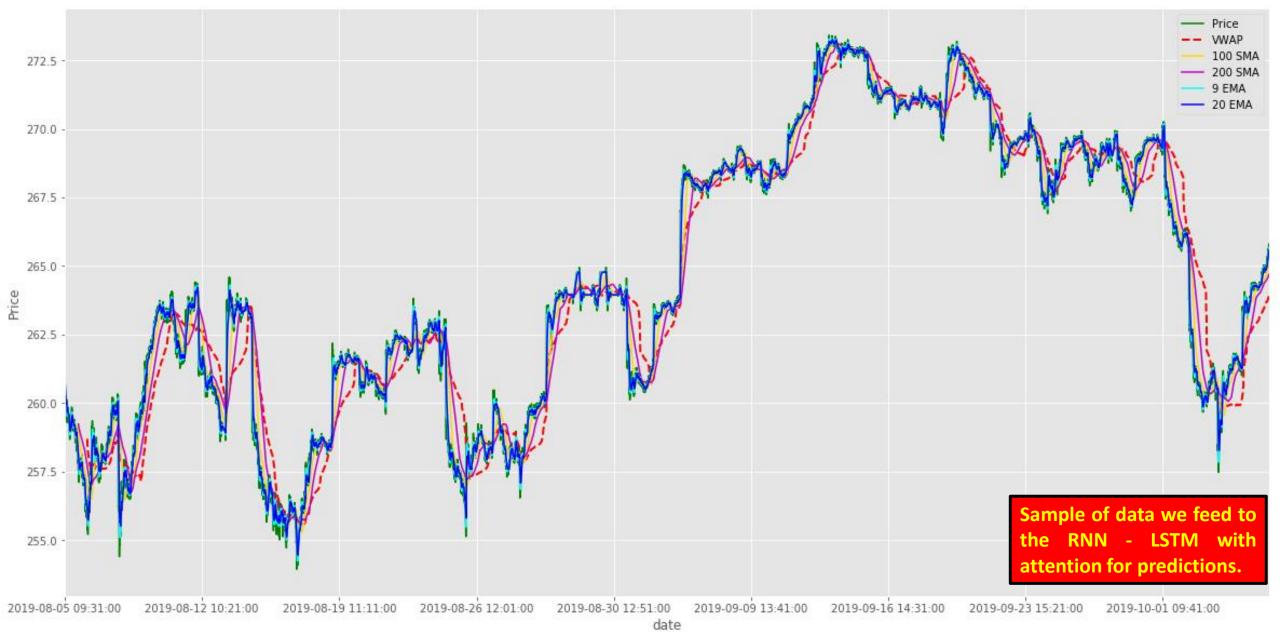


N.B: Time frame: 1 min

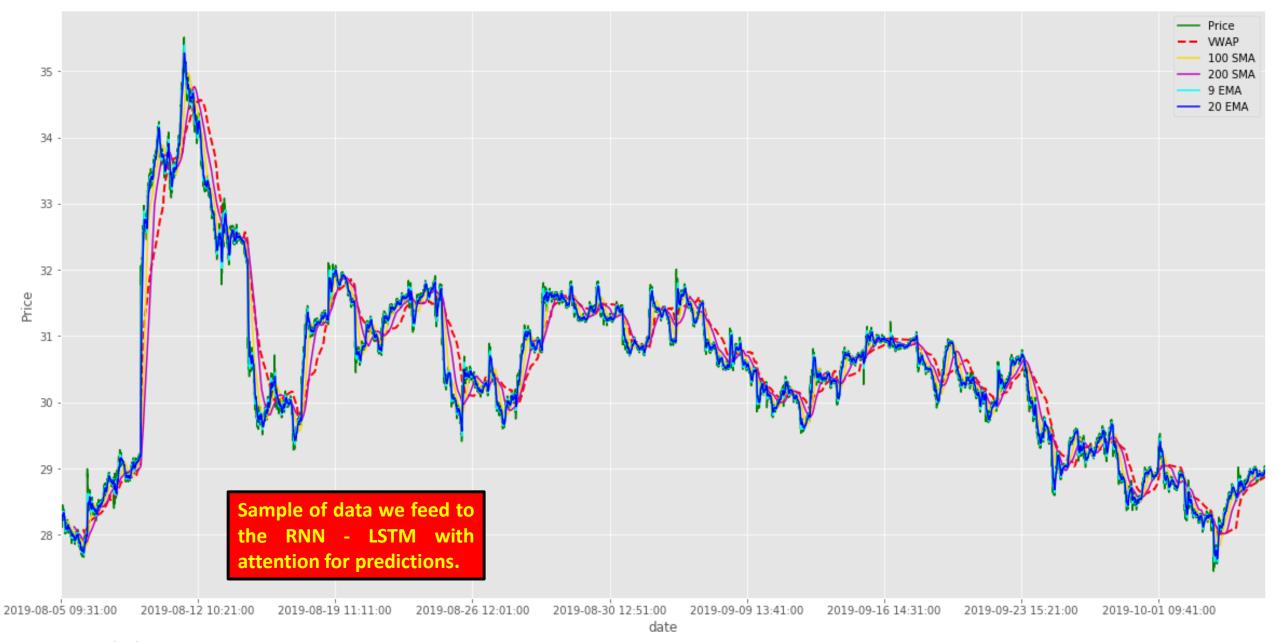
# **GLD**







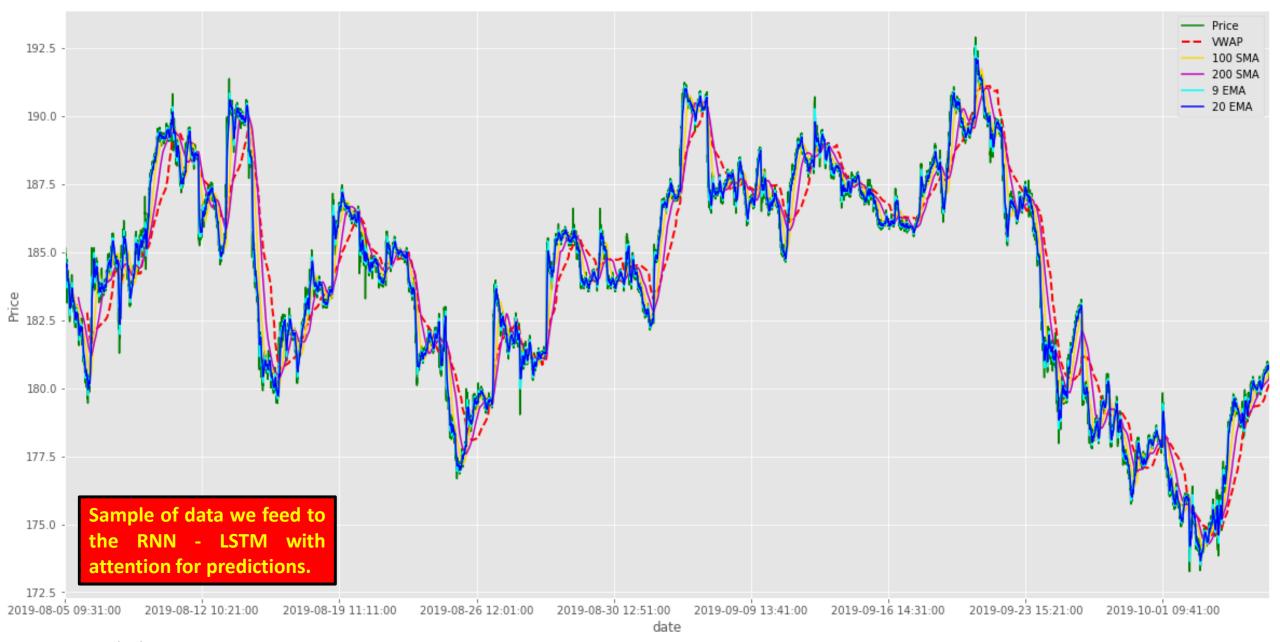
# **Stock Price - AMD**



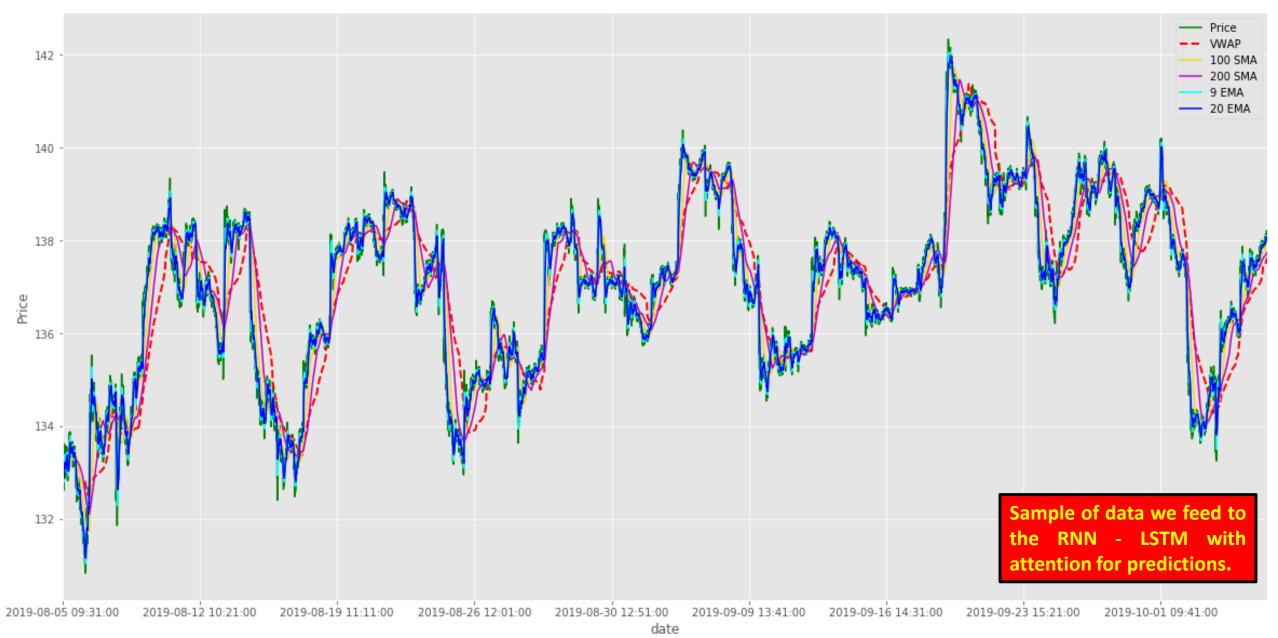
# **Stock Price - MU**



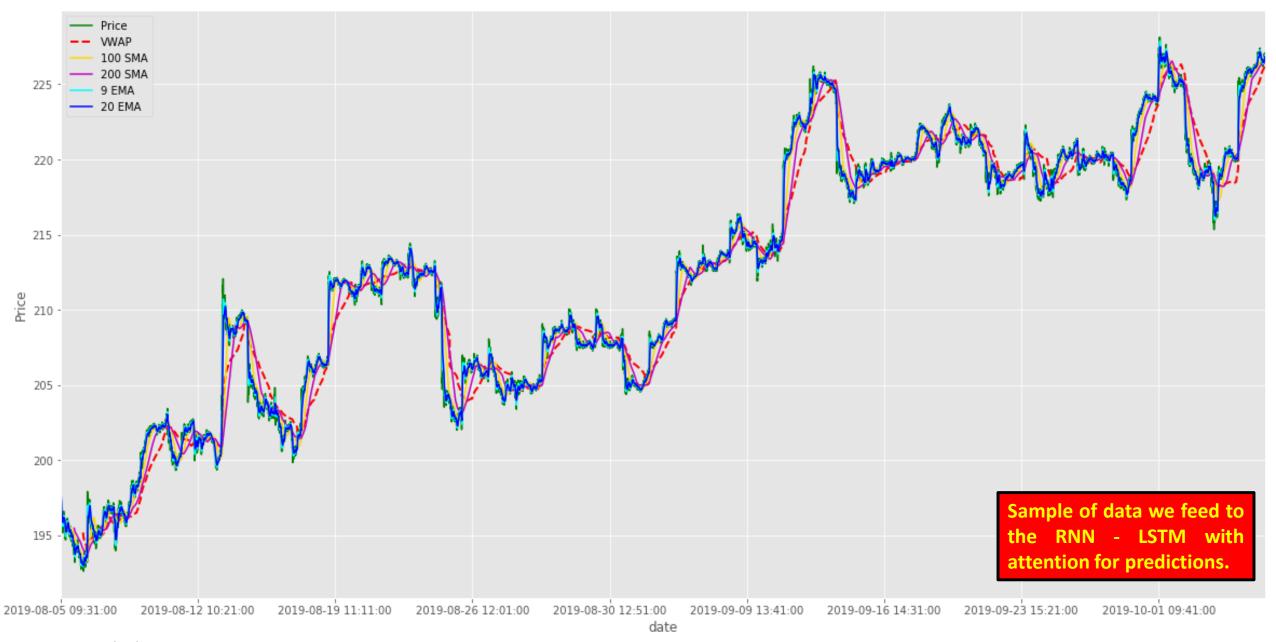
# **Stock Price - FB**



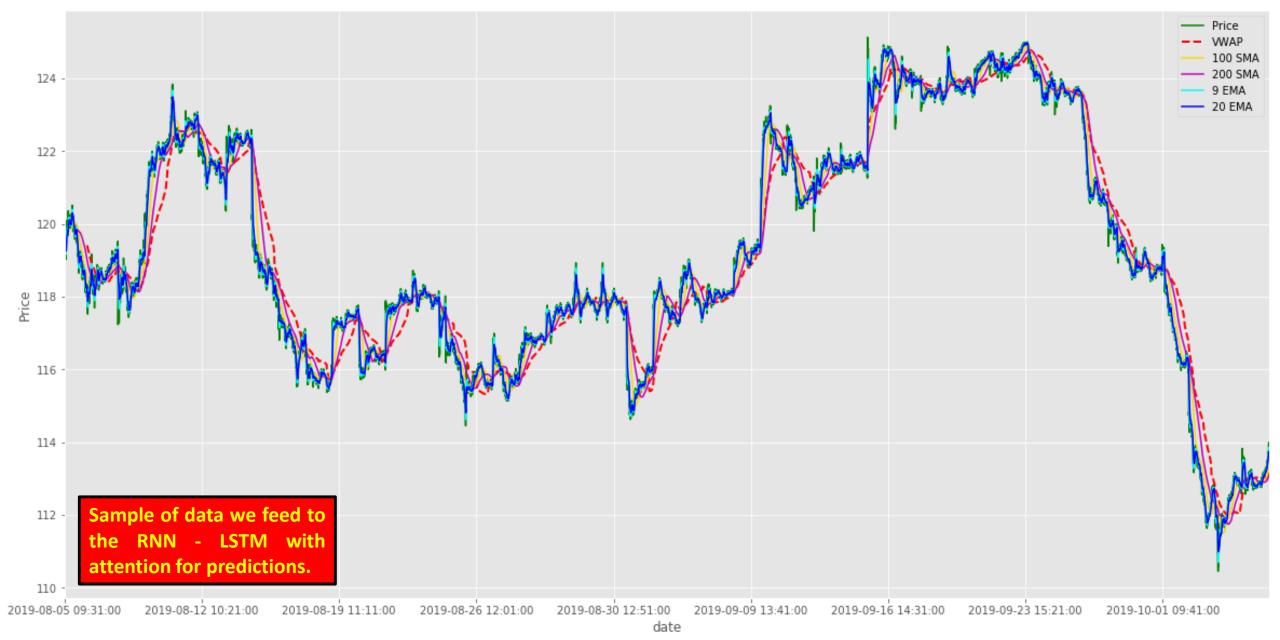
# **Stock Price - MSFT**



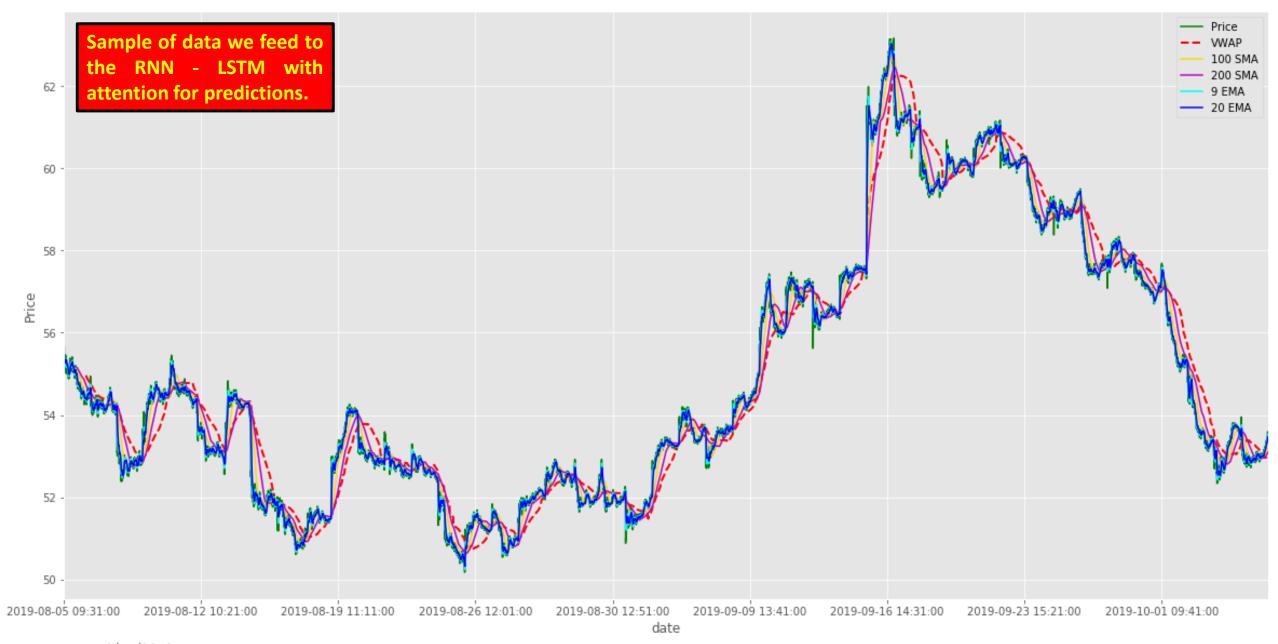
# **Stock Price - AAPL**



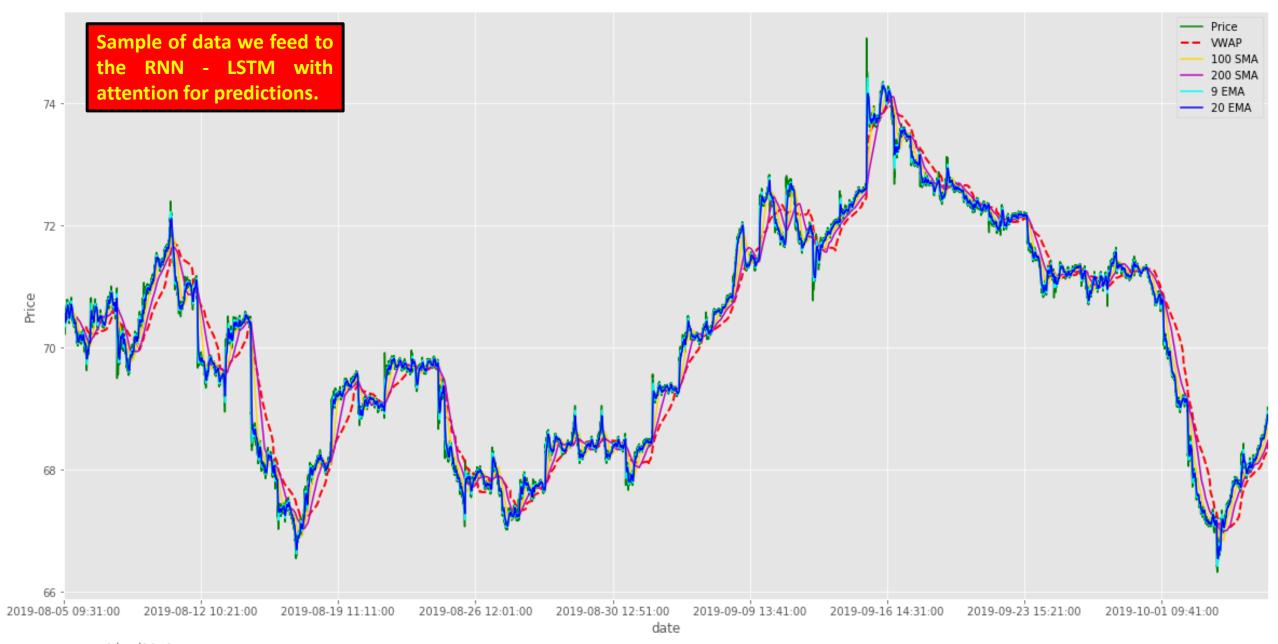
# **Stock Price - CVX**



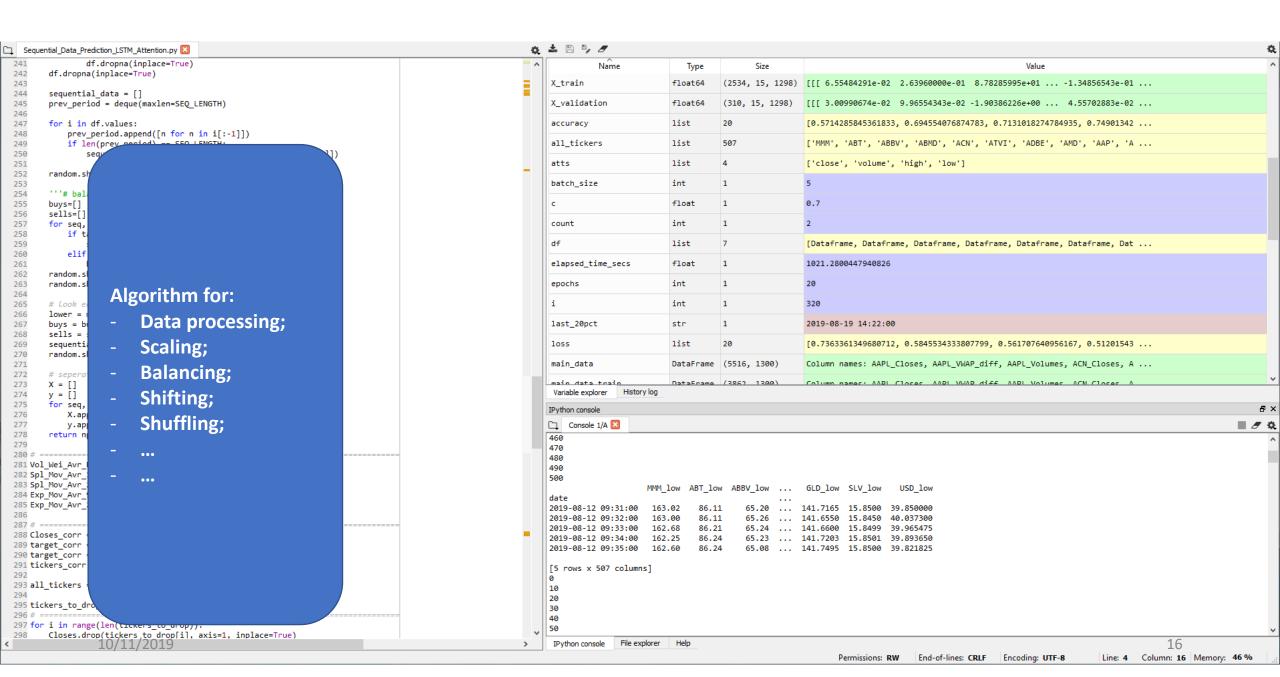
# **Stock Price - COP**



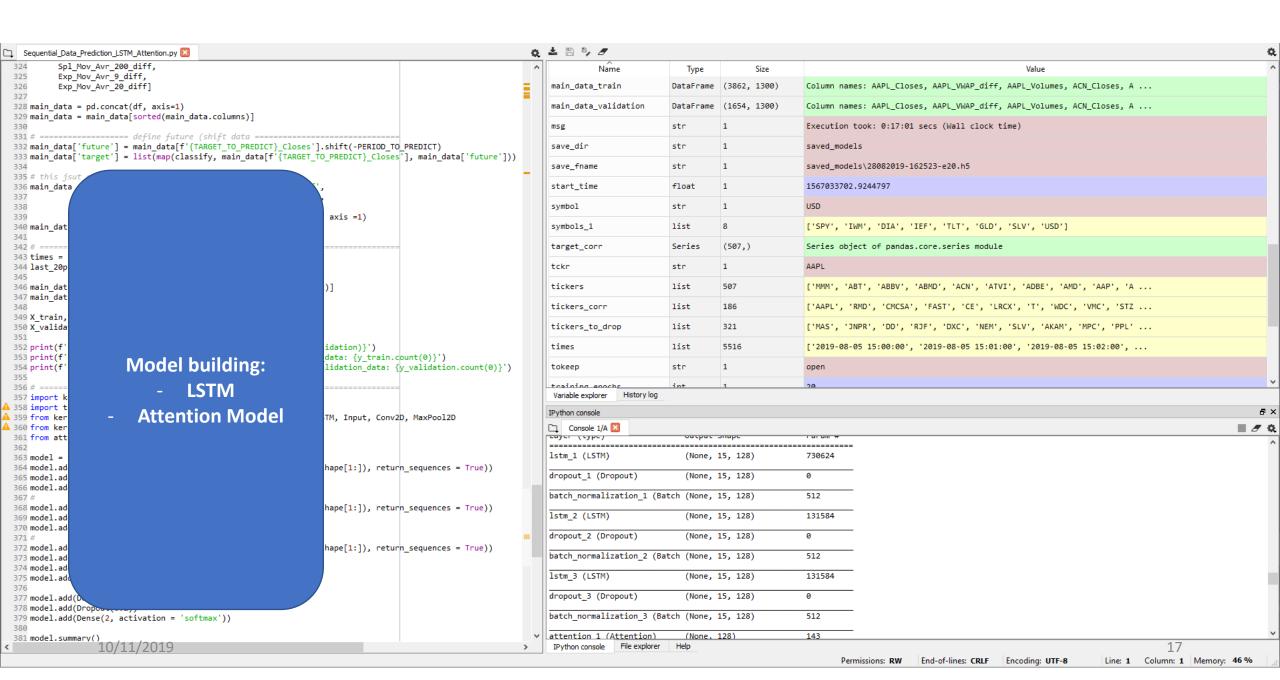
# **Stock Price - XOM**



### Algorithm Part 2: Data preprocessing



### Algorithm Part 2: Model building



### Algorithm Part 3: Running Model – preliminary results

