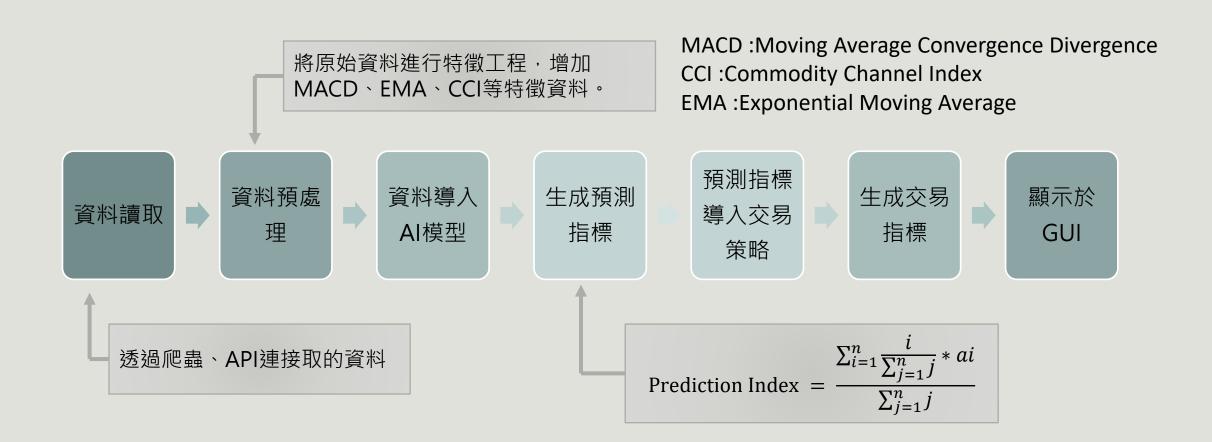
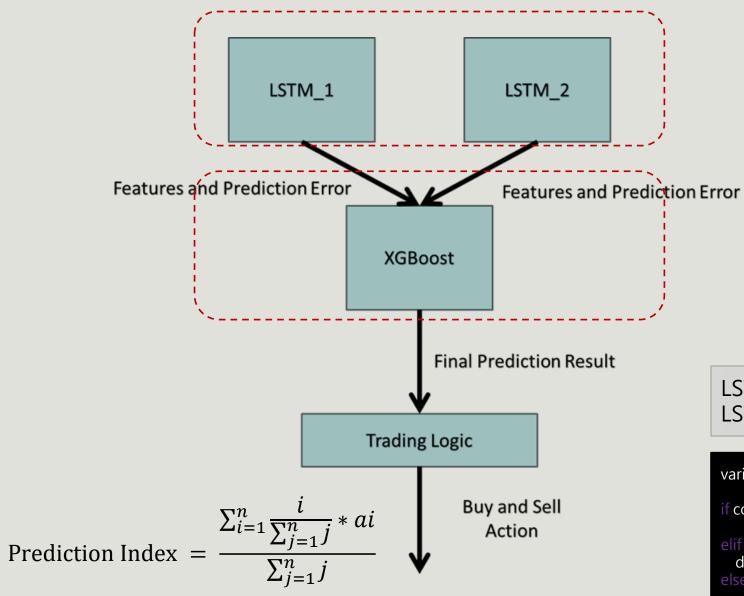


運作流程





AI架構

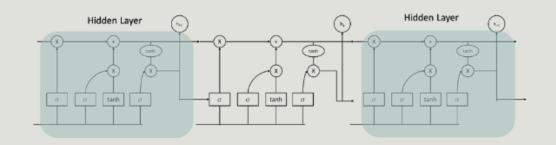
使用model stacking技巧提升預測的準確度。整體分為兩個部分,上層為2個LSTM(長短期記憶模型)、下層為XGBoost(極限梯度提升樹)。

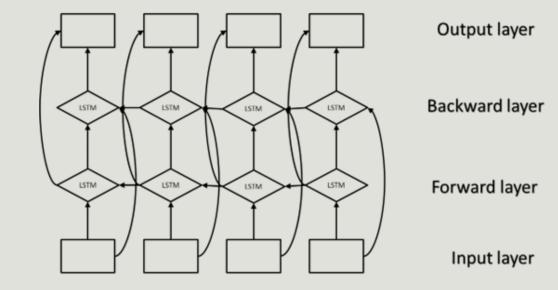
LSTM_1:預測Prediction Index 的內部參數 a_i LSTM_2:預測Prediction Index 參數本身

AI架構

LSTM (LONG SHORT-TERM MEMORY)

為一種擁有長短期記憶的循環神經網絡,用於處理序列數據。





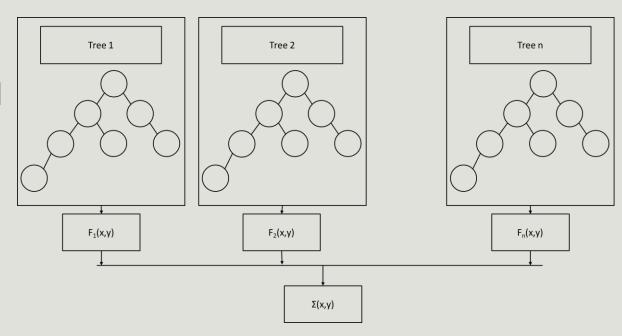
layer架構示意圖

BiLSTM架構

AI架構

XGBOOST (EXTREME GRADIENT BOOST)

為一種高效的梯度提升算法,用於分類和回歸。



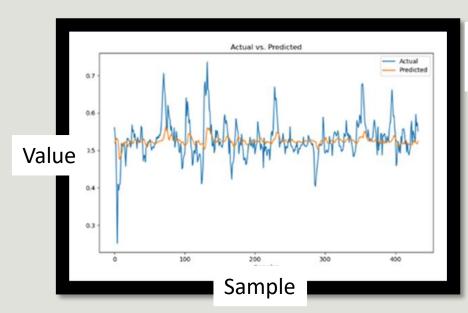
xgb結構圖

AI效能

實際值

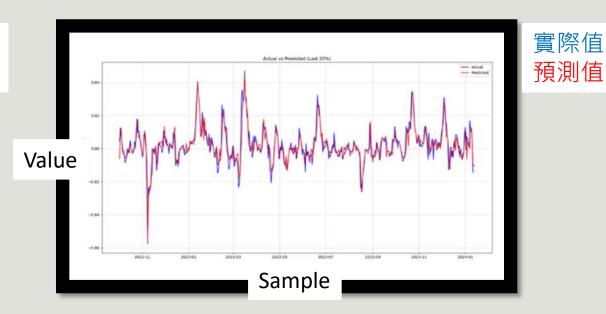
預測值

第一層預測誤差圖

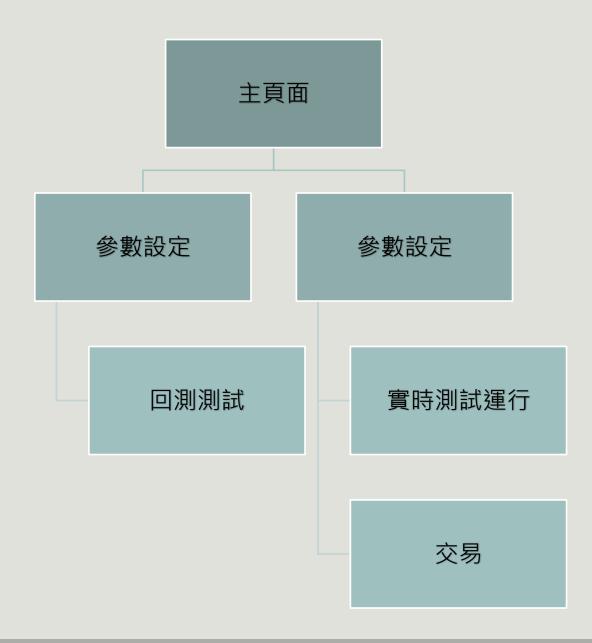


準確率:96.495%

最終輸出預測誤差圖



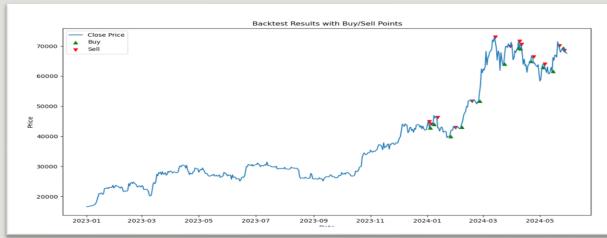
準確率:99.312%

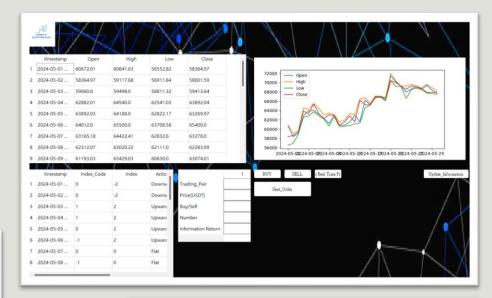


GUI架構

GUI頁面示意圖









| Start Time | End Time | BackTrade Results |
|------------|------------|-------------------|
| 2019/1/1 | 2019/13/31 | 304.18% |
| 2020/1/1 | 2020/13/31 | 837.54% |
| 2021/1/1 | 2021/13/31 | 189.83% |
| 2022/1/1 | 2022/13/31 | 266.21% |
| 2023/1/1 | 2023/13/31 | 119.88% |

歷年回測報酬率

BITCOIN (BTC)

10/2/2025

| Start Time | End Time | BackTrade Results |
|------------|------------|-------------------|
| 2019/1/1 | 2019/13/31 | 373.06% |
| 2020/1/1 | 2020/13/31 | 983.52% |
| 2021/1/1 | 2021/13/31 | 2708.45% |
| 2022/1/1 | 2022/13/31 | 320.33% |
| 2023/1/1 | 2023/13/31 | 311.78% |

歷年回測報 酬率

ETHEREUM (ETH)

10/2/2025

| Start Time | End Time | BackTrade Results |
|------------|------------|-------------------|
| 2019/1/1 | 2019/13/31 | NaN |
| 2020/1/1 | 2020/13/31 | 226.42% |
| 2021/1/1 | 2021/13/31 | 14245.40% |
| 2022/1/1 | 2022/13/31 | 1793.06% |
| 2023/1/1 | 2023/13/31 | 2558.20% |

歷年回測報 酬率

SOLANA (SOL)

10/2/2025