

This Scientific Poster Template Is Provided By PosterNerd
Enter A Title And Add Logos To Your Poster

Add Author Names and Information
Include University or Department Names if Needed

Introduction

In this study, we aim to explore and evaluate common stock market trading methods, employing a variety of approaches to enhance our understanding of effective strategies. Our objectives include testing three widely used trading methods, seeking ways to improve trading returns, and integrating observations from the stock market into our models.

Dataset

0050 Yuanta Taiwan

	Date	Open	High	Low	Close	Change %
0	10/05/2013	125.45	126.00	124.00	124.70	0.58%
1	10/06/2013	125.40	126.10	124.00	124.10	-0.48%
2	10/07/2013	125.70	122.00	122.10	122.20	-0.40%
3	10/08/2013	121.50	122.00	122.00	122.00	0.00%
4	10/09/2013	121.00	122.00	121.00	121.50	0.41%

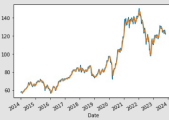
原始資料格式

1. Golden Cross

Moving Average: Short = 5, Long = 20
Total Return Rate of Backtesting Analysis: 62.48%



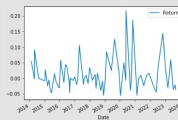
Trend chart of original data



Long and short moving averages



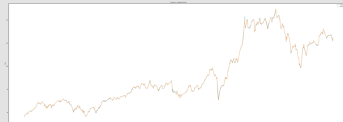
Entry points



Return rate for each trade

2. Machine learning-Random Forest

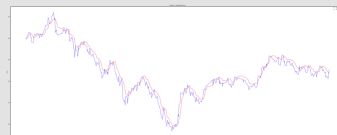
R2 Score: 0.9997980640298204



Actual price and predicted price trend chart

3. LSTM

•R2 Score: 0.9535430373937358
•RMSE: 2.4544517600216915



Actual price and predicted price trend chart



Results

Add your information, graphs and images to this section.

Conclusion

Add your information, graphs and images to this section.

Acknowledgements

<https://datawithadesign.com/the-igbt-rsics-assy?id=4871000091698&wt=1>
<https://medium.com/@ckmccormick/stock-market-trading-python>
Python Recommendations for Finance
<https://medium.com/@ckmccormick/stock-market-trading-python>
<https://medium.com/@ckmccormick/stock-market-trading-python>