

Thesis

Neo

Abstract

things to put in abstract

1 Intorduction

Why Invest
How do most of peopele invest
Fundamental analysis
Technical analysis
Why technical indicators
How to optimize the parameters of technical indicators
Breifly summerize our method

2 Related Work

Related Work

3 Background

not sure what to write

4 Proposed Method

4.1 Global-best guided Quantum-inspired Tabu Search Algorithm with Not-gate (GNQTS)

What is GNQTS and its evolution
Flow chart of GNQTS
Pseudo code of GNQTS
Explain each step of GNQTS

4.2 Sliding Windows

What are sliding windows
Old sliding sindows
New sliding windows
What can new Sliding achieve

4.3 Technical Indicators

What are technical indicators

4.3.1 Simple Moving Average (SMA)

- What is Simple Moving Average
- How to use SMA
- Characteristics of SMA
- SMA formula

4.3.2 Relative Strength Index (RSI)

- What is RSI
- How to use RSI
- Characteristics of RSI
- RSI formula

4.4 Internal Rate of Return Normalization

- How to evaluate the performance of our method

4.5 Investment Targets

- what are DJI 30s
- what is DJI
- what is IXIC
- what is NYA
- Why choose these investment targets

5 Experiment Result

5.1 Experimental Enviroment

- Computer spec

5.2 Parameters of GNQTS

- Initial funds
- Test period
- Delta
- Particle amount
- Experiment number
- Iteration number

5.3 Training Period

5.3.1 SMA

5.3.2 RSI

5.3.3 SMA combine RSI

5.3.4 Result of Training Period

5.4 Test Period

5.4.1 SMA

5.4.2 RSI

5.4.3 SMA combine RSI

5.4.4 Result of Test Period

5.5 Self Analysis

not sure what tp write

6 Conclusion

Conclusion

7 Reference

Reference