

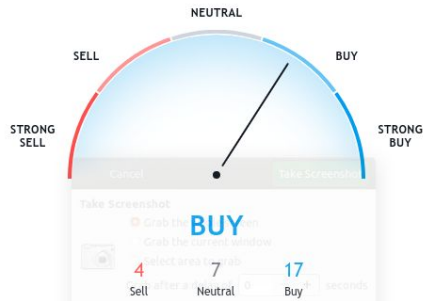
# Crypto Currency Machine Learning Trading App

Jiaxing Wang



1 minute 5 minutes 15 minutes 1 hour 4 hours 1 day 1 week 1 month

## Summary



## OSCILLATORS

Name

Relative Strength Index (14)

Stochastic %K (14, 3, 3)

Commodity Channel Index (20)

Average Directional Index (14)

Awesome Oscillator

Momentum (10)

66.43

Neutral

90.29

Neutral

132.89

Sell

35.22

Neutral

819.49

Buy

628.71

Sell

## MOVING AVERAGES

Name

Exponential Moving Average (5)

Simple Moving Average (5)

Exponential Moving Average (10)

Simple Moving Average (10)

Exponential Moving Average (20)

Simple Moving Average (20)

Value

9100.10

Buy

9085.62

Buy

8908.45

Buy

8793.20

Buy

8641.92

Buy

8684.46

Buy

# Momentum Indicator

- ADX - Average Directional Movement Index

# Volume Indicator Functions

- OBV - On Balance Volume

# Volatility Indicator Functions

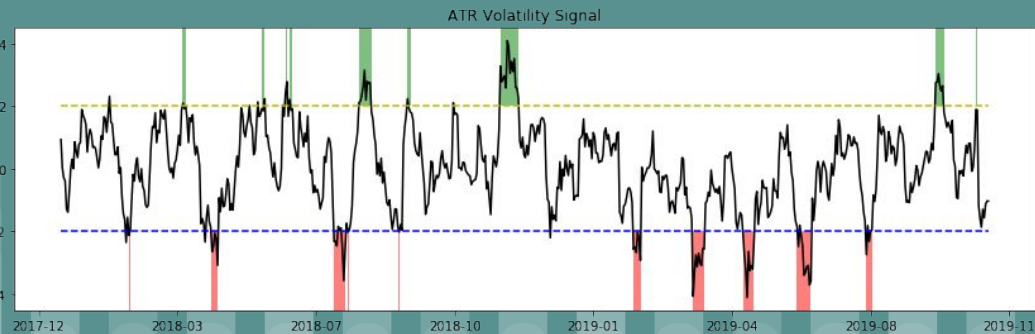
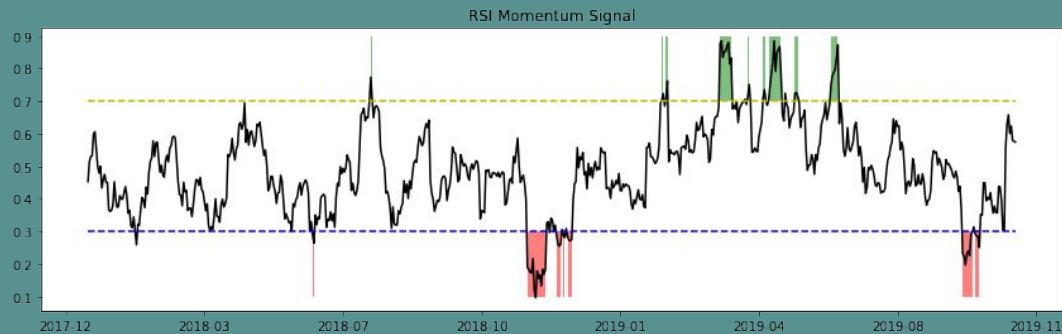
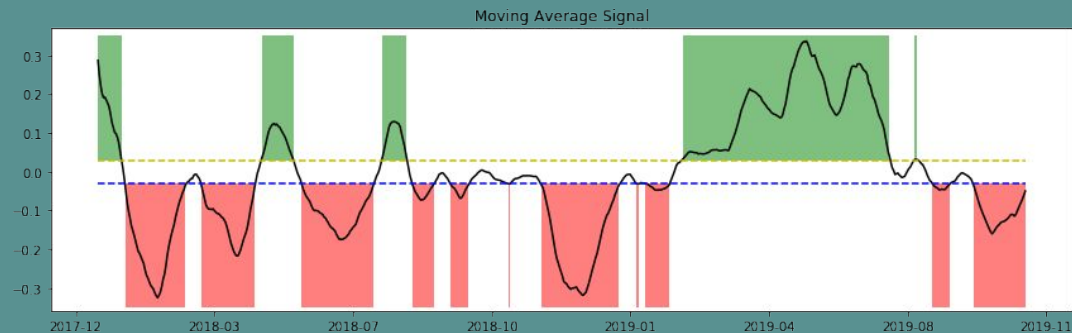
- ATR - Average True Range

# Pattern Recognition Functions

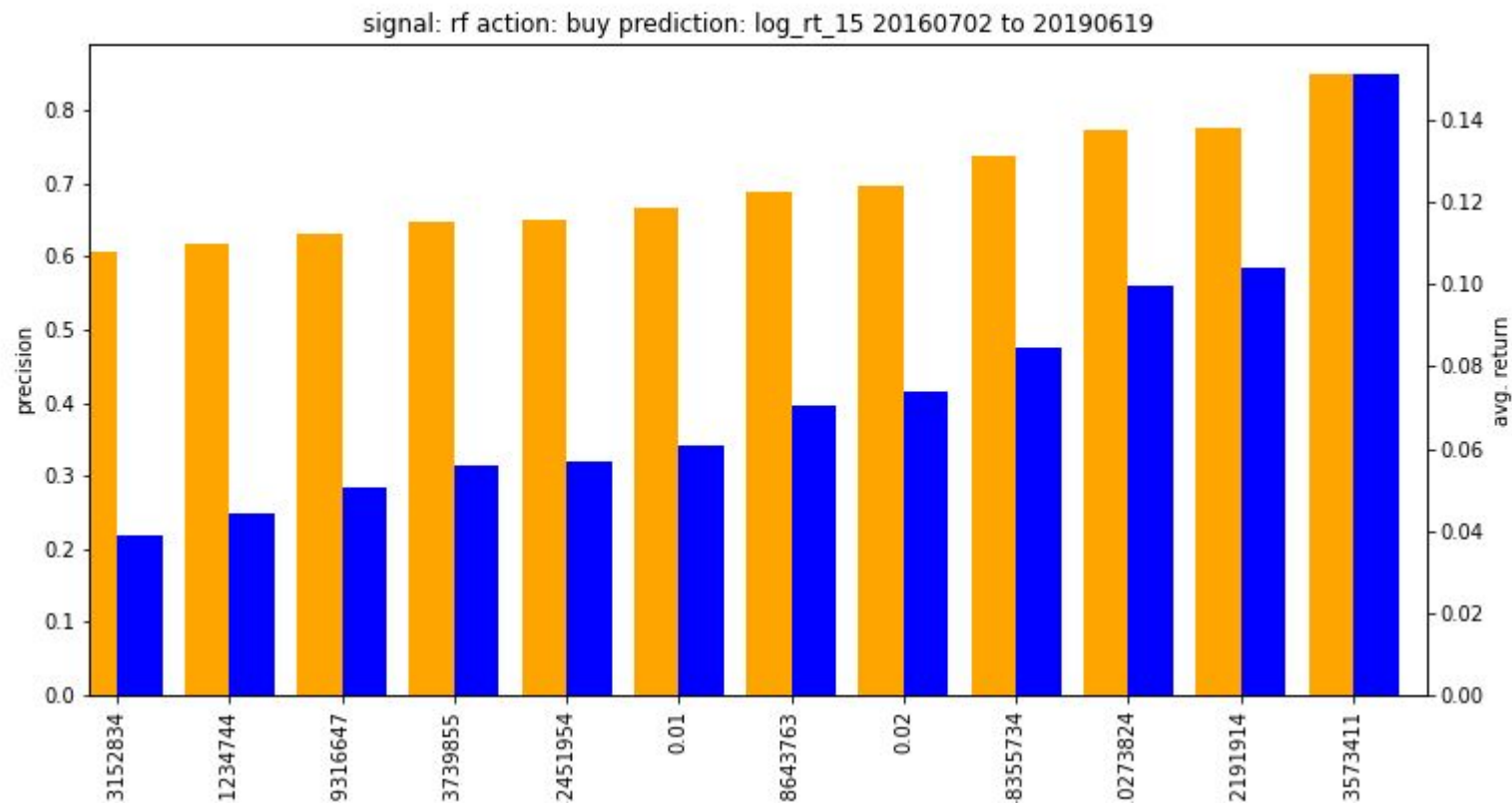
- CDL2CROWS - Two Crows

Traditional  
Tech Indicators:

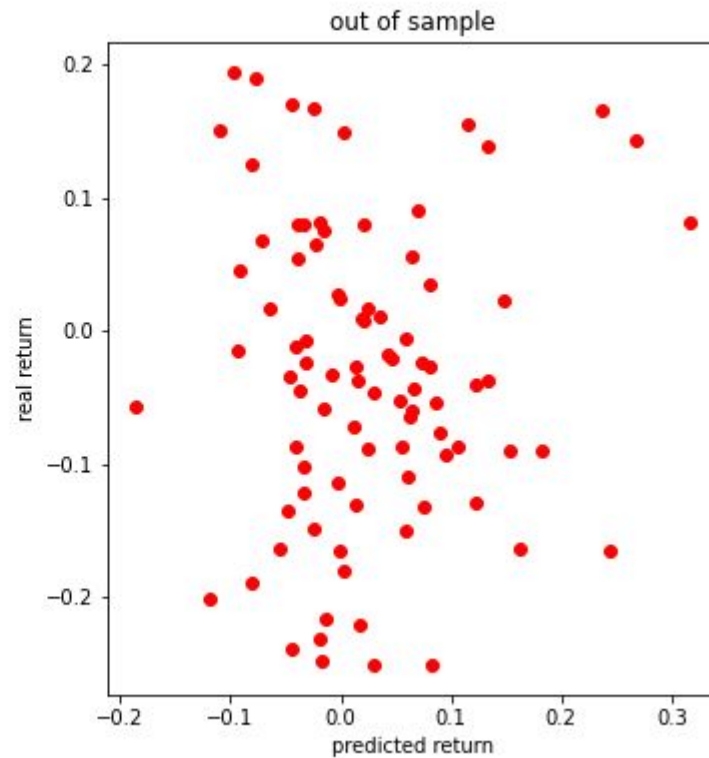
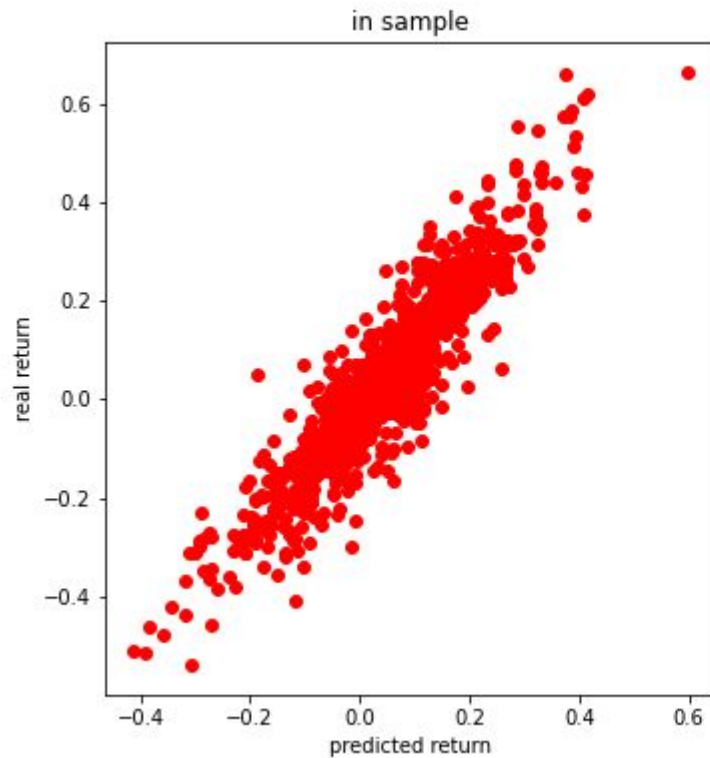
Arbitrary  
enter/exit point



## Customized enter/exit point with prediction power and return estimate



## Improved performance by machine-learning



## Back testing results

