報告

108062313黃允暘

使用資料

- ●台指期
- 日盤+夜盤
- 樣本內: 2022-05-08~2023-01-08(8個月)
- 樣本外: 2023-01-08~2023-05-08(4個月)
- 手續費:百萬分之33(原百萬分之2加20元)

使用指標

• 威廉指標(Williams %R)

$$Wiliams \% R = \frac{ Highest \ High - Close}{ Highest \ High - Lowest \ Low}$$

• 簡單移動平均線(SMA)

策略(10分K)

```
WL = 65

OB = -15

stop_pct = 1 #表示0.x%

OS = -80

L = 2
```

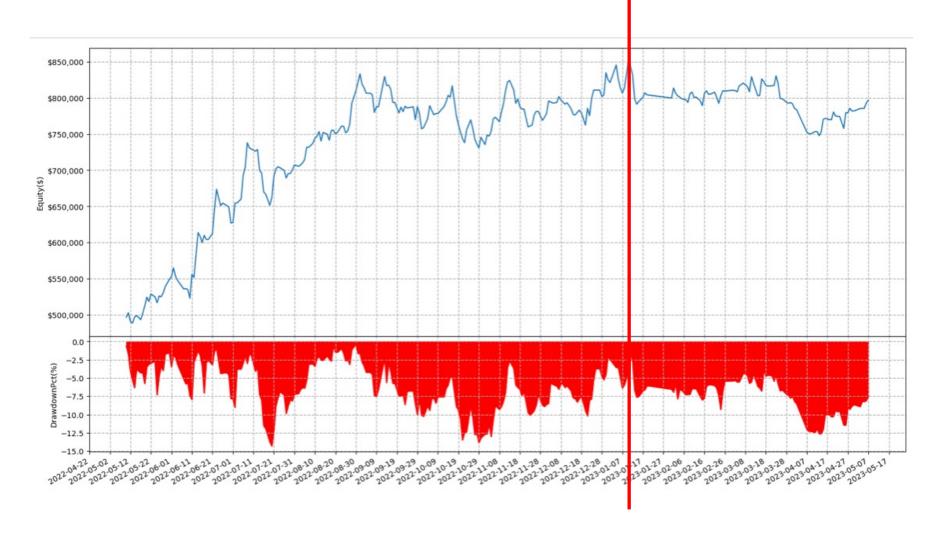
多單策略:

- 進場:
 - ▶WR向上超越超買區
 - ▶開盤15分鐘後進場
- 出場:
 - ➤百分比停損 0.5%
 - ➤WR跌出超買區
 - ▶13.30平倉

空單策略:

- 進場:
 - ➤WR向下超越超賣區
 - ▶開盤15分鐘後進場
- 出場:
 - ➤百分比停損 0.5%
 - ▶WR向上超出超賣區
 - ▶13.30平倉

樣本內+樣本外



改進方向

1. 考慮SMA指標

Start End Duration Exposure Time [%] Equity Final [\$] Equity Peak [\$] Return [%] Buy & Hold Return [%] Return (Ann.) [%] Volatility (Ann.) [%] Sharpe Ratio Sortino Ratio Calmar Ratio Max. Drawdown [%] Avg. Drawdown [%] Avg. Drawdown Duration Avg. Drawdown Duration # Trades Win Rate [%] Best Trade [%] Worst Trade [%] Avg. Trade Duration Avg. Trade Duration Avg. Trade Duration Profit Factor Expectancy [%] SQN _strategy	2022-05-09 08:50:00 2023-05-06 05:00:00 361 days 20:10:00 23.890626 796668.1666 855594.2516 59.333633 -2.663124 50.080797 42.20226 1.186685 3.207633 3.493773 -14.334304 -1.909453 124 days 06:10:00 5 days 00:49:00 5 days 00:49:00 1363 34.629494 1.634794 -1.055191 0.006975 5 days 04:40:00 0 days 01:41:00 1.117464 0.007193 1.30698 WL
_equity_curve _trades dtype: object	Size Entr

策略 (5分K)

多單策略:

- 進場:
 - ➤WR向上超越超買區
 - ▶SMA黃金交叉
 - ▶開盤15分鐘後進場
- 出場:
 - ▶百分比停損 0.5%
 - ▶WR跌出超買區
 - ▶SMA死亡交叉
 - ▶13.30平倉

```
WL = 75

OB = -10

stop_pct = 1 #表示0.x%

OS = -90

L = 2

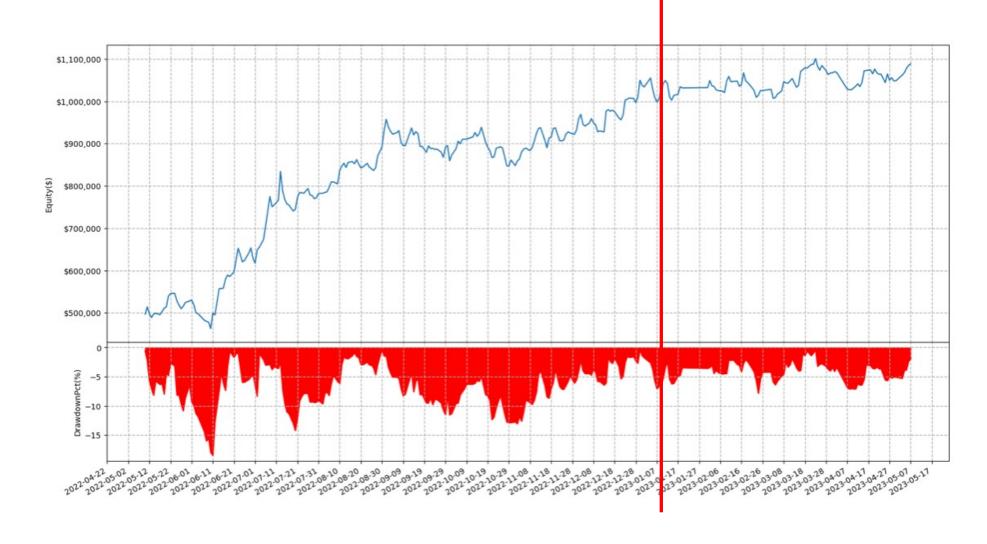
n1 = 15

n2 = 50
```

空單策略:

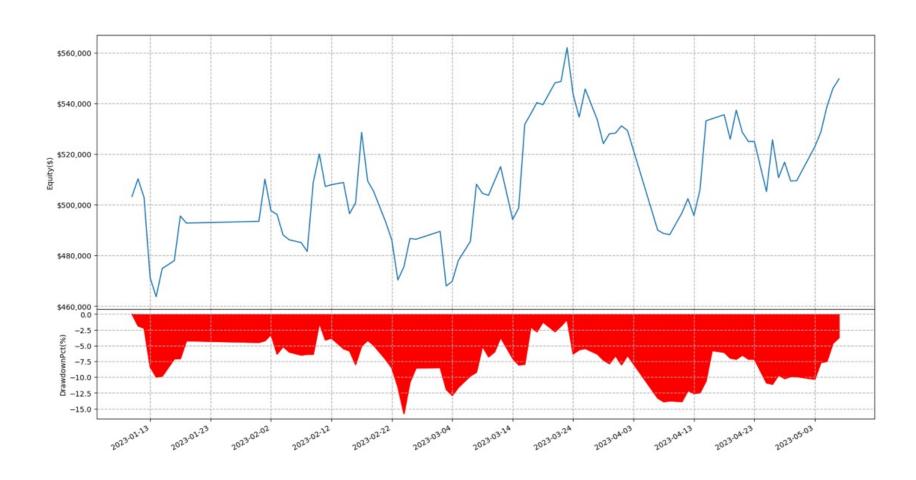
- 進場:
 - ➤WR向下超越超賣區
 - **▶ SMA**死亡交叉
 - ▶ 開盤15分鐘後進場
- 出場:
 - ▶百分比停損 0.5%
 - ▶WR向上超出超賣區
 - ▶SMA黃金交叉
 - ▶13.30平倉

樣本內+樣本外



Start End Duration Exposure Time [%] Equity Final [\$] Equity Peak [\$] Return [%] Buy & Hold Return [%] Return (Ann.) [%] Volatility (Ann.) [%] Sharpe Ratio Sortino Ratio Calmar Ratio Max. Drawdown [%] Avg. Drawdown [%] Max. Drawdown Duration Avg. Drawdown Duration # Trades Win Rate [%] Best Trade [%] Worst Trade [%] Avg. Trade [%] Avg. Trade Duration Avg. Trade Duration Profit Factor Expectancy [%] SQN	2022-05-09 08:50:00 2023-05-06 05:00:00 361 days 20:10:00 36.092846 1088516.5046 1104220.4158 117.703301 -2.663124 96.297097 64.754679 1.487106 5.477214 5.210765 -18.480415 -1.713001 91 days 14:50:00 3 days 06:39:00 1761 35.945486 1.74158 -1.055191 0.010994 5 days 04:40:00 0 days 01:50:00 1.169016 0.011254 2.08986
_strategy _equity_curve _trades dtype: object	WL Size Entr

樣本外



Start End Duration Exposure Time [%] Equity Final [\$] Equity Peak [\$] Return [%] Buy & Hold Return [%] Return (Ann.) [%] Volatility (Ann.) [%] Sharpe Ratio Sortino Ratio Calmar Ratio	2023-01-09 08:50:00 2023-05-06 05:00:00 116 days 20:10:00 35.358236 549632.6146 565336.5258 9.926523 7.646576 29.055256 52.23748 0.556215 1.088737 1.839228
Max. Drawdown [%] Avg. Drawdown [%]	-15.797528 -2.482528
Max. Drawdown Duration	44 days 06:30:00
Avg. Drawdown Duration # Trades Win Rate [%]	4 days 10:48:00 489 34.969325
Best Trade [%]	1.112342
Worst Trade [%]	-0.845298
Avg. Trade [%]	0.003086
Max. Trade Duration	5 days 04:40:00
Avg. Trade Duration	0 days 02:02:00
Profit Factor	1.059638 0.003228
Expectancy [%] SQN	0.429069
_strategy	WL
_equity_curve	
_trades	Size Entry
dtype: object	•