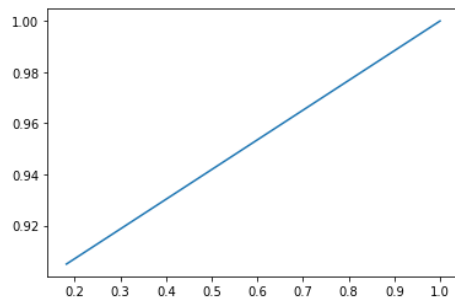
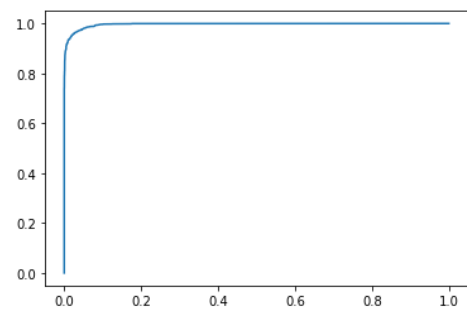


## 1. Training data

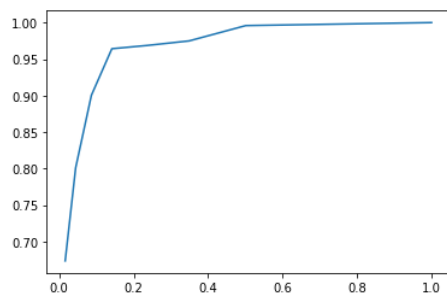
1 個 weak classifiers



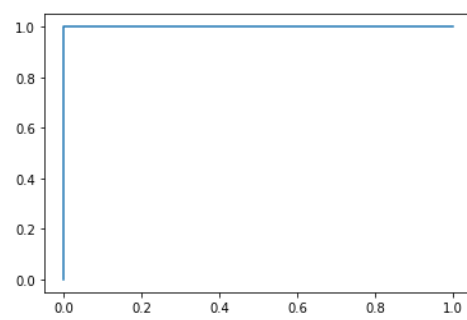
20 個 weak classifiers



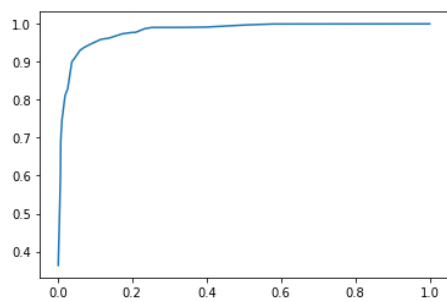
3 個 weak classifiers



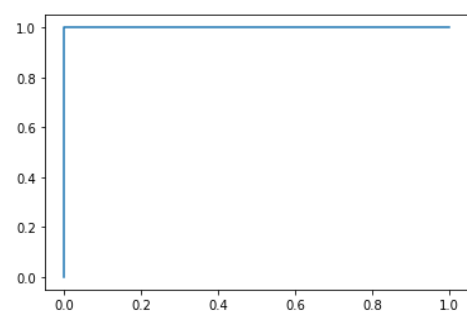
100 個 weak classifiers



5 個 weak classifiers

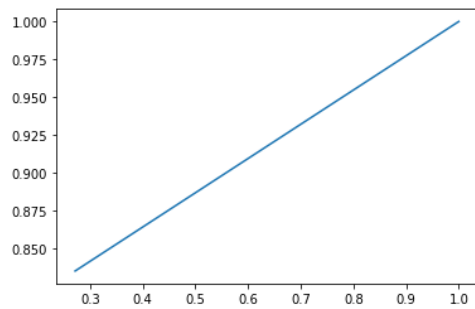


200 個 weak classifiers

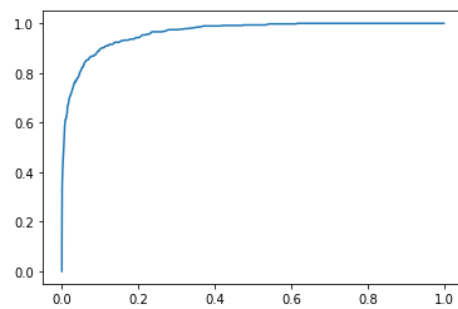


## Testing data

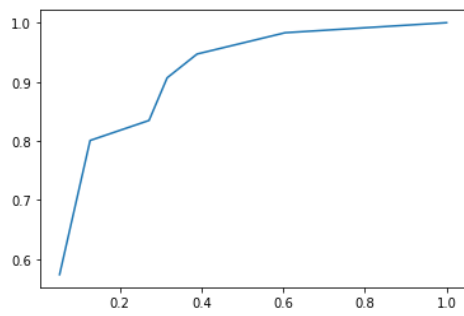
1 個 weak classifiers



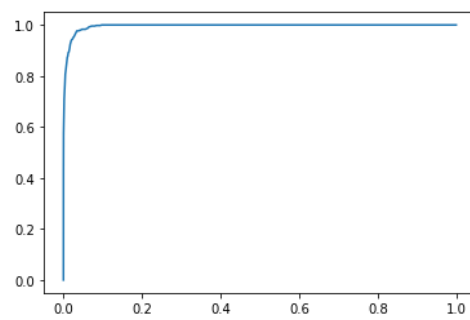
20 個 weak classifiers



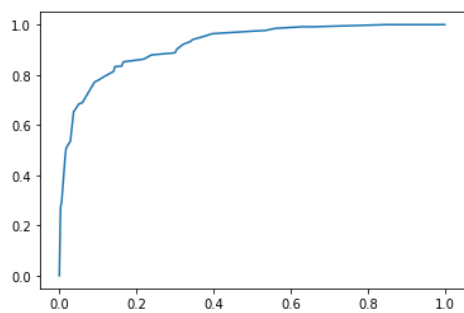
3 個 weak classifiers



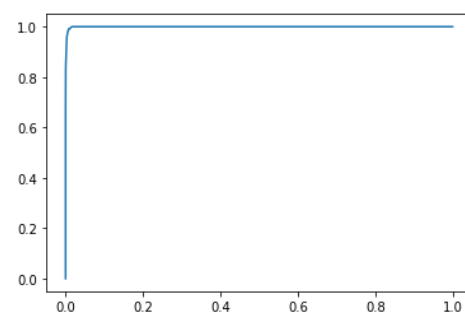
100 個 weak classifiers



5 個 weak classifiers



200 個 weak classifiers



2.



3.

策略 0.0：每天開盤前掛市價買，第一分鐘開盤買進，每天最後一分鐘掛市價賣，收盤價賣出

```
***** strategy 0.0 *****
```

```
entry times: 1230
```

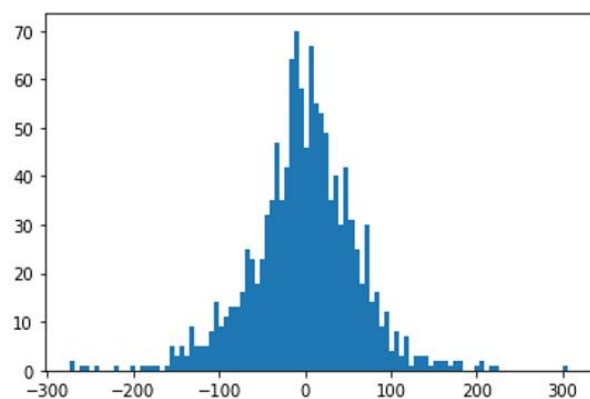
```
total: -1246.0
```

```
win ratio: 0.4991869918699187
```

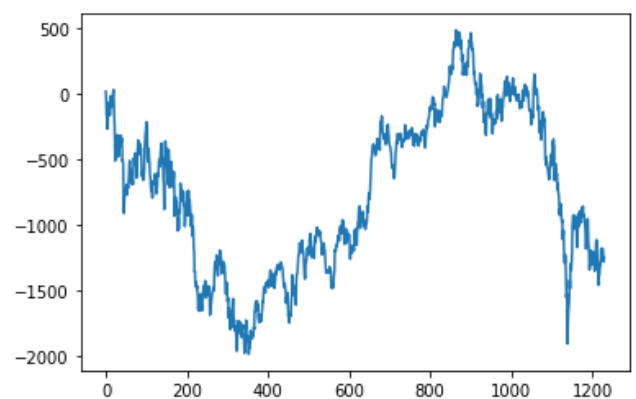
```
win avg: 44.77850162866449
```

```
lose avg: -46.65584415584416
```

profit distribution:



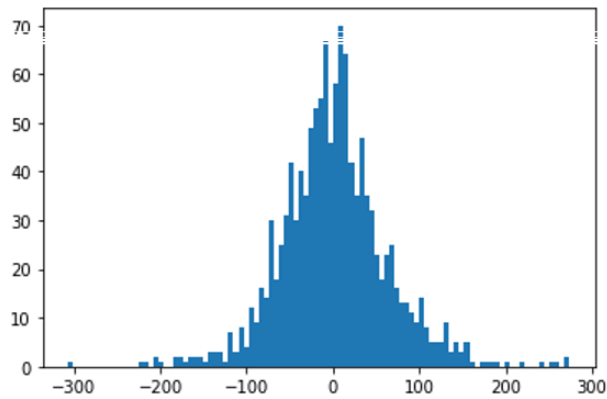
accumulated profit:



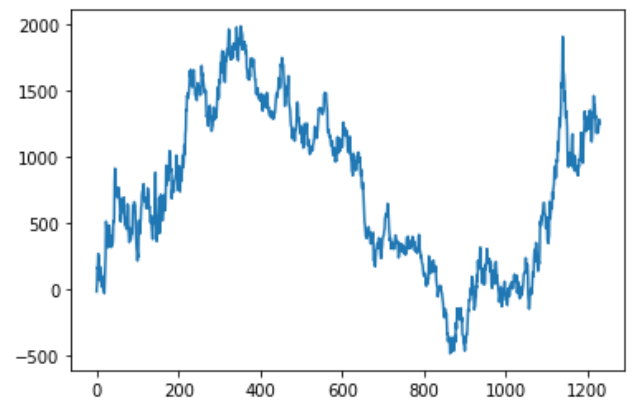
## 策略 0.1：開盤空一口台指期，收盤時平倉

```
***** strategy 0.1 *****  
entry times: 1230  
total: 1246.0  
win ratio: 0.4943089430894309  
win avg: 47.26973684210526  
lose avg: -44.20257234726688
```

profit distribution:



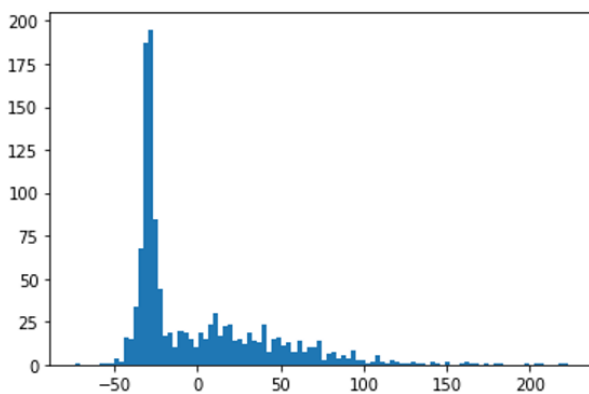
accumulated profit:



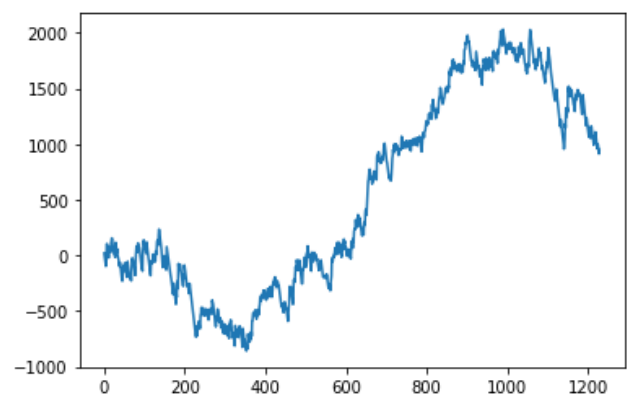
## 策略 1.0：開盤買進一口，30 點停損，收盤平倉

```
***** strategy 1.0 *****  
entry times: 1230  
total: 948  
win ratio: 0.37886178861788616  
win avg: 46.80472103004292  
lose avg: -27.30759162303665
```

profit distribution:



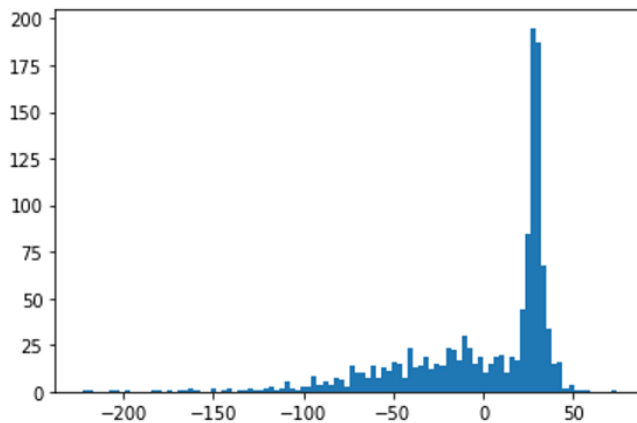
accumulated profit:



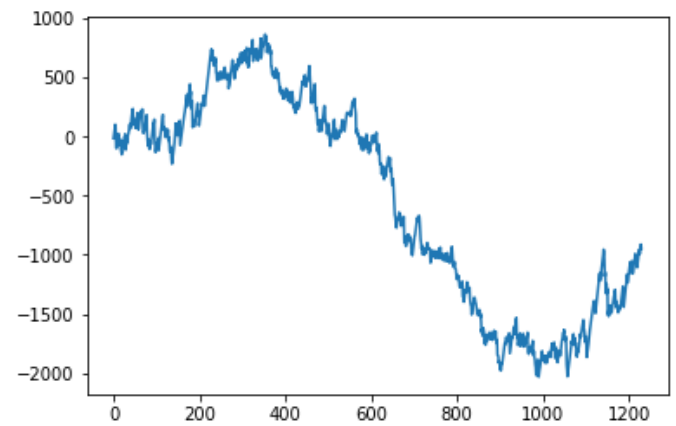
策略 1.1：開盤空一口，30 點停損，收盤平倉

```
***** strategy 1.1 *****  
entry times: 1230  
total: -948  
win ratio: 0.6178861788617886  
win avg: 27.451315789473686  
lose avg: -46.40638297872341
```

profit distribution:



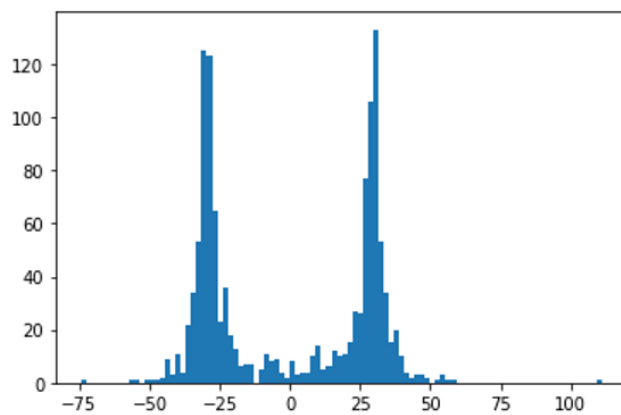
accumulated profit:



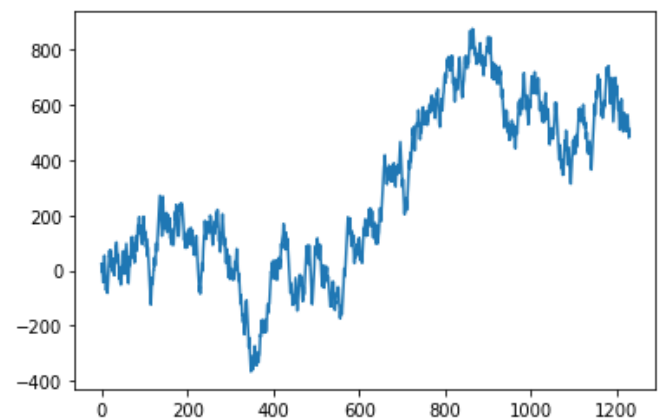
策略 2.0：開盤買進一口，30 點停損，30 點停利，收盤平倉

```
***** strategy 2.0 *****  
entry times: 1230  
total: 512  
win ratio: 0.5048780487804878  
win avg: 27.996779388083738  
lose avg: -27.707717569786535
```

profit distribution:



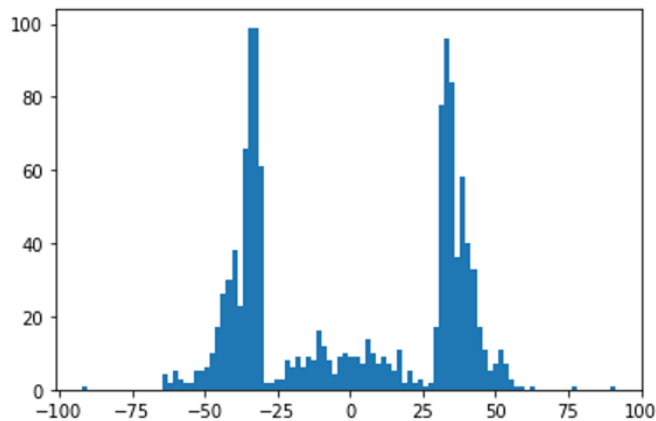
accumulated profit:



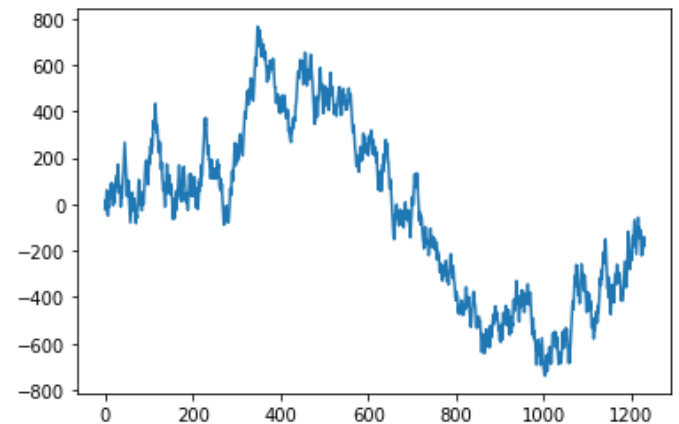
策略 2.1：開盤空一口，30 點停損，30 點停利，收盤平倉

```
***** strategy 2.1 *****  
entry times: 1230  
total: -179  
win ratio: 0.491869918699187  
win avg: 33.25785123966942  
lose avg: -32.48
```

profit distribution:



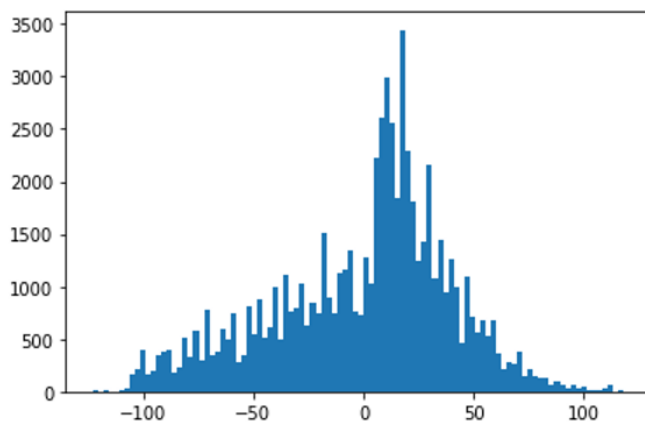
accumulated profit:



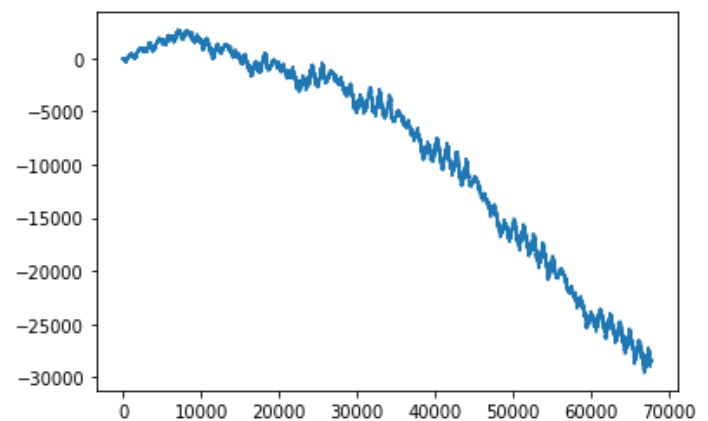
策略 3.0：找到一組  $m, n$  改進策略 2.0 使總損益點數最佳化

```
***** strategy 3.0 *****  
[m,n] = [40, 10]  
entry times 1230  
total: -28454  
win ratio: 0.5879970436067997  
win avg: 27.27024988687214  
lose avg: -39.940083237657866
```

profit distribution:



accumulated profit:



策略 3.1：找到一組  $m, n$  改進策略 2.1 使總損益點數最佳化

```
***** strategy 3.1 *****
```

```
[m,n] = [100, 100]
```

```
entry times 1230
```

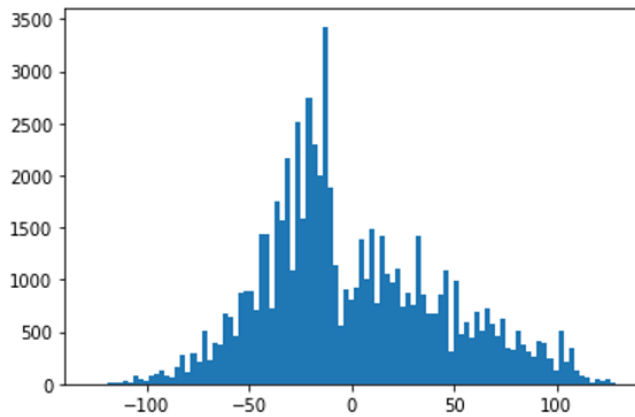
```
total: 42147
```

```
win ratio: 0.43215077605321506
```

```
win avg: 42.59627159226954
```

```
lose avg: -31.319927111805285
```

profit distribution:



accumulated profit:

