estimize_post_earnings_signal_strategy

August 24, 2018

1 Estimize Post-Earnings Signal Strategy

This notebook shows the performance of a trading strategy that only uses the Post-earnings Estimize Signal. The Post-earnings Signal exists for three trading days following an earnings report. It has much fewer trading days per year than the full signal, which covers roughly thirteen trading days (10 days for pre, and 3 days for post).

Conclusions:

- The strategy shows higher alpha than the full signal strategy
- Has much fewer trading days (70 on average) per year

1.1 Data and Methodology

Datasources:

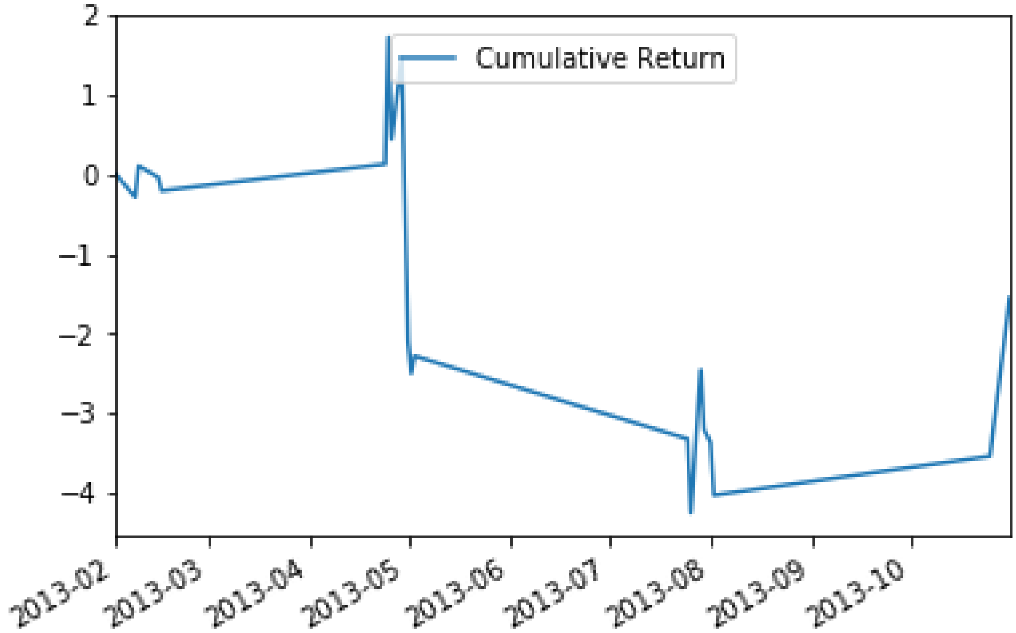
- Estimize Signal (Estimize signal_time_series.csv)
- Asset historical prices (Zipline.io/Quandl prices dataset)

1.1.1 2012

```
None
```

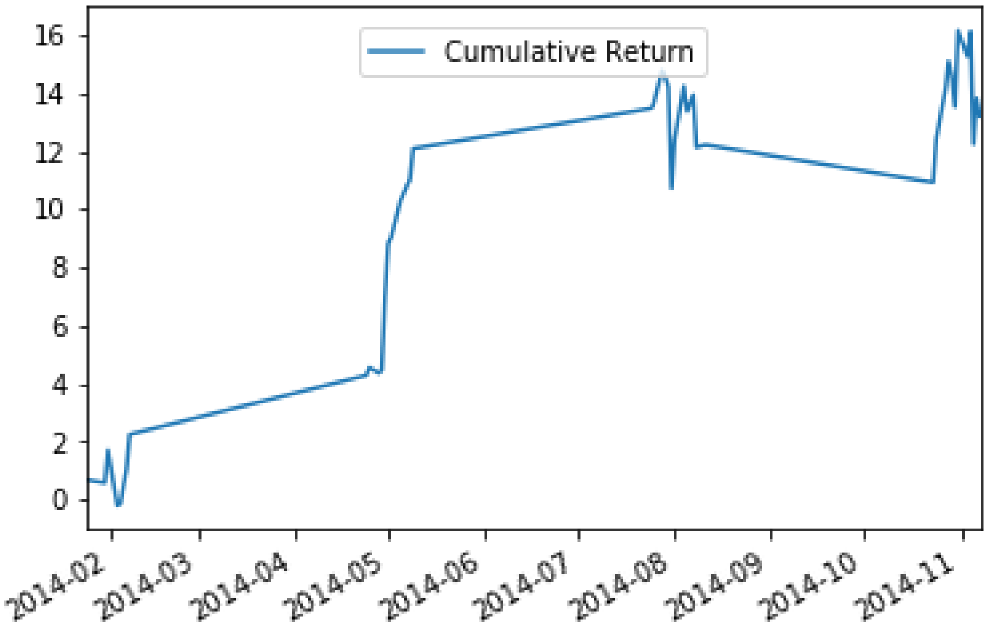
1.1.2 2013

```
   Year  Cumulative Return  Avg Daily Return  Num Trading Days  \
0  2013          -0.015496         -0.000688              21.0

   Return (Annualized)  Sharpe Ratio  Volatility
0            -0.173478     -1.041038    0.166639
```



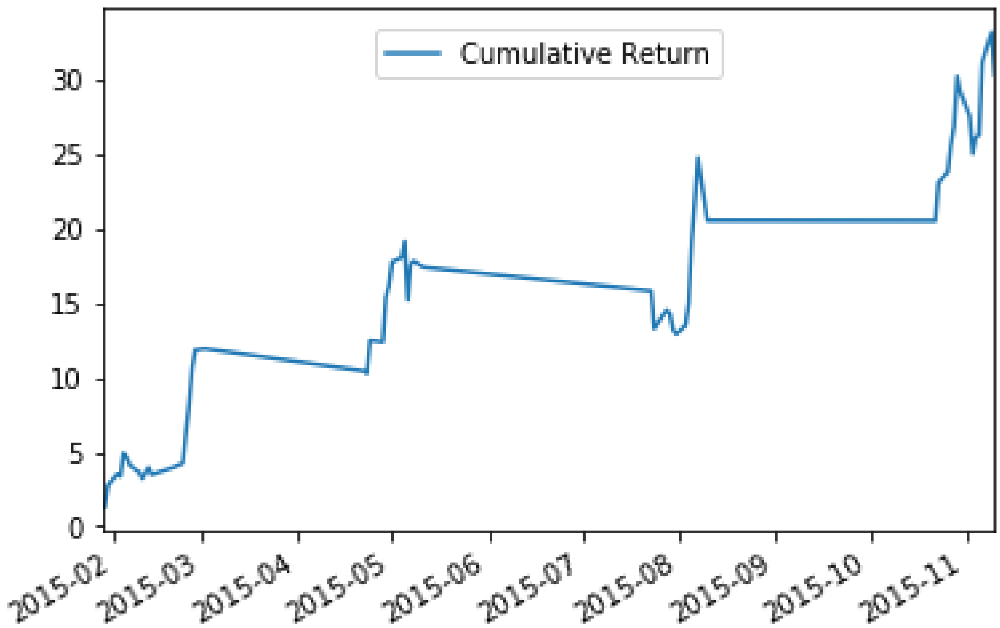
1.1.3 2014

```
   Year  Cumulative Return  Avg Daily Return  Num Trading Days  \
0  2014           0.132122          0.003114              41.0

   Return (Annualized)  Sharpe Ratio  Volatility
0             0.784677      3.856294     0.20348
```



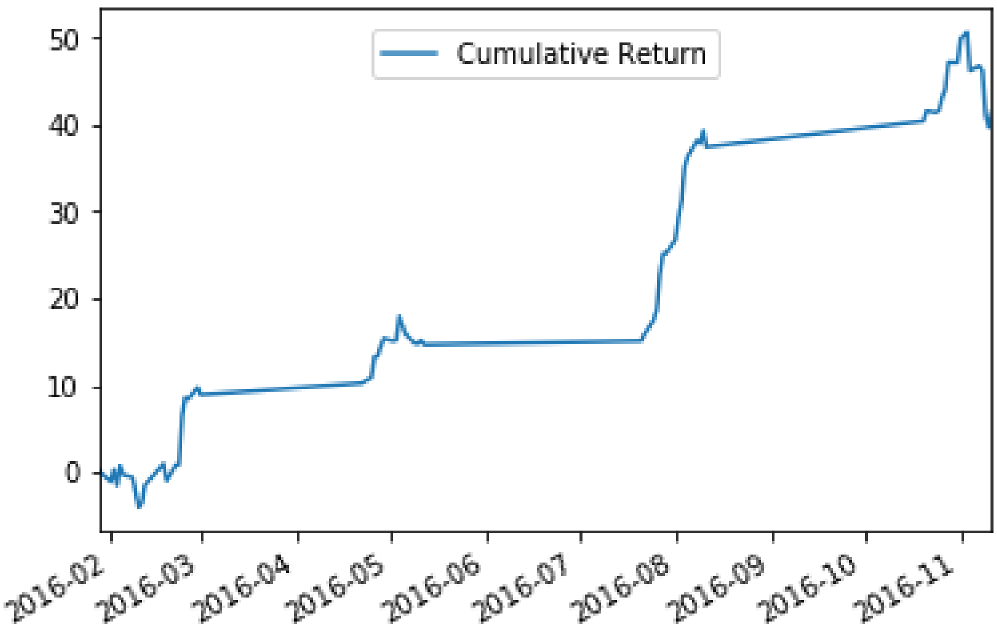
1.1.4 2015

```
   Year  Cumulative Return  Avg Daily Return  Num Trading Days  \
0  2015           0.303358          0.004535              60.0

   Return (Annualized)  Sharpe Ratio  Volatility
0             1.142722      4.868441     0.23472
```



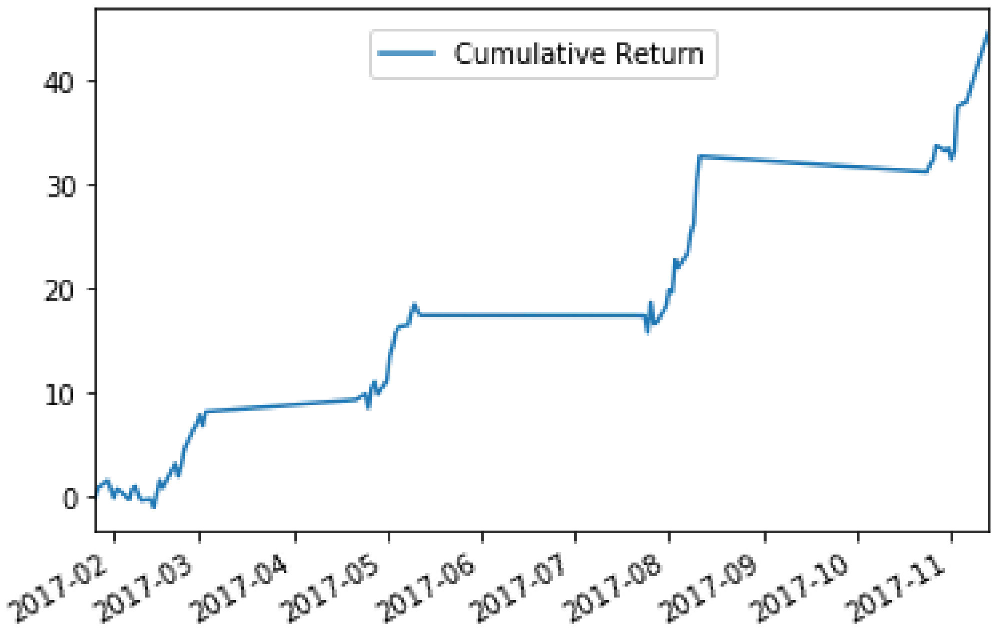
1.1.5 2016

```
   Year  Cumulative Return  Avg Daily Return  Num Trading Days  \
0  2016           0.415375          0.005084              70.0

   Return (Annualized)  Sharpe Ratio  Volatility
0             1.281277      5.440586    0.235504
```



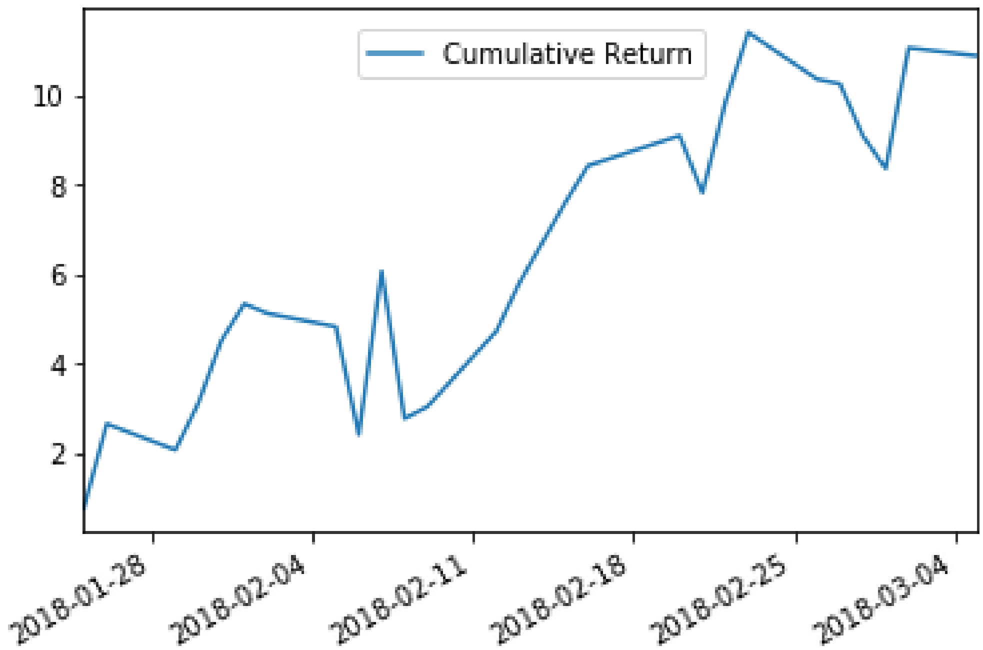
1.1.6 2017

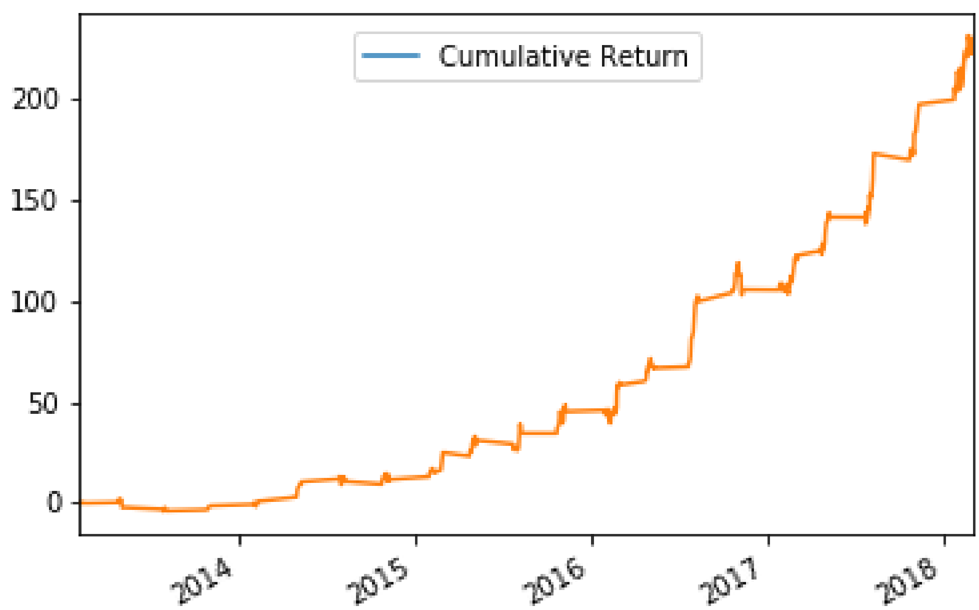
```
   Year  Cumulative Return  Avg Daily Return  Num Trading Days  \
0  2017           0.446534          0.005433              69.0

   Return (Annualized)  Sharpe Ratio  Volatility
0             1.369119      7.346603    0.186361
```



1.1.7 2018

```
   Year  Cumulative Return  Avg Daily Return  Num Trading Days  \
0  2018           0.108984          0.004092              26.0

   Return (Annualized)  Sharpe Ratio  Volatility
0             1.031174      4.471427    0.230614
```






```
   Cumulative Return  Avg Daily Return  Num Trading Days  Return (Annualized)  \
0           0.231813          0.003595         47.833333             0.905915
```

	Sharpe Ratio	Volatility
0	4.157052	0.209553