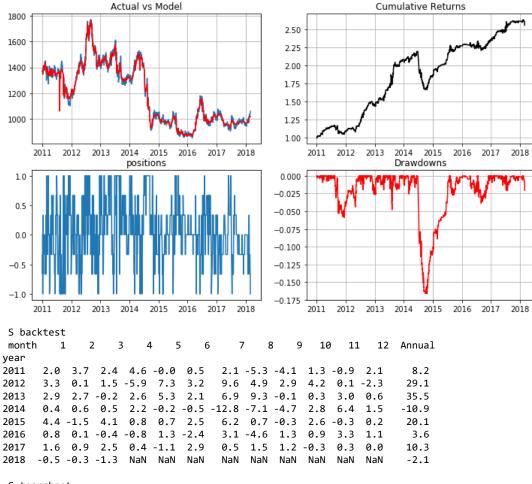
### S Performance



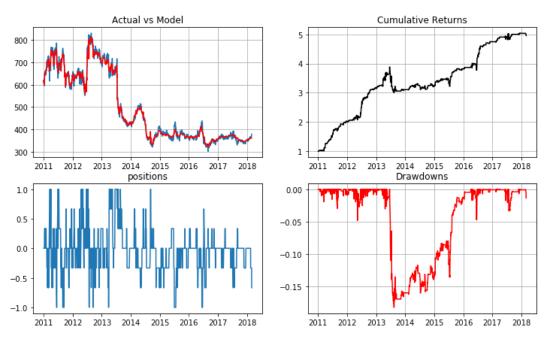
## S tearsheet

date

cum\_ret Ann\_ret Ann\_sd sharpe max\_draw

2018-03-01 2.557404 0.130085 0.072149 1.387192 -0.166344

# C Performance



```
C backtest
                      3
 month
                2
                            4
                                        6
                                                             10
                                                                   11
                                                                        12 Annual
year
       3.4 -0.9
                 12.6 12.1 6.4 10.5
                                           9.8 -0.2
                                                                              70.3
2011
                                                           3.9
                                                                     1.2
                                                      8.0
                                                                 3.4
2012
       2.0 0.2
                   4.1
                         3.7 -3.8
                                    15.0
                                         12.5
                                                1.2
                                                     4.9
                                                           3.4
                                                                 0.3
                                                                              45.2
2013
                   4.7
                              0.2
                                    -4.2 -11.3
                                                 0.9
                                                     -2.6
                                                           0.0
                                                                 1.7 -0.2
                                                                              -2.0
       1.2
            1.3
                         6.4
2014
       0.0
            2.1
                   2.0
                        -1.4
                              3.3
                                    -1.3
                                           -2.3
                                                 0.2
                                                     -2.0
                                                           3.8
                                                                 0.9
                                                                     -0.5
                                                                              4.8
       4.3 -0.7
2015
                   3.0
                        -0.3
                              -0.4
                                    -2.2
                                           5.0
                                                 4.4
                                                      1.6
                                                           1.3
                                                                      0.7
                                                                              15.9
2016
       1.1 0.0
                                                                              21.7
                   0.0
                         1.6
                              1.7
                                     6.8
                                           5.0
                                                 1.4
                                                      1.6
                                                           1.4
                                                                 0.4
                                                                      0.5
2017
            1.1
                   2.0
                         0.2
                              0.0
                                                           0.0
                                                                      0.7
                                                                              5.9
       0.0
                                     0.2
                                           -1.7
                                                 3.2
                                                      0.2
                                                                 0.0
2018
       0.0 -0.7
                         NaN
                                                 NaN
                  -0.8
                              NaN
                                     NaN
                                           NaN
                                                      NaN
                                                           NaN
                                                                 NaN
                                                                      NaN
                                                                              -1.5
```

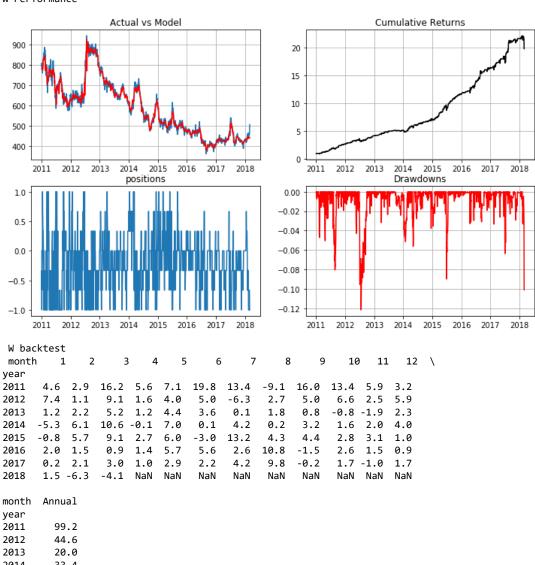
### C tearsheet

cum\_ret Ann\_ret Ann\_sd sharpe max\_draw

date

2018-03-01 4.955486 0.187617 0.069932 2.25386 -0.181838

#### W Performance



2013 2014 33.4 2015 48.6

2016 34.1 2017 27.5

2018 -8.8

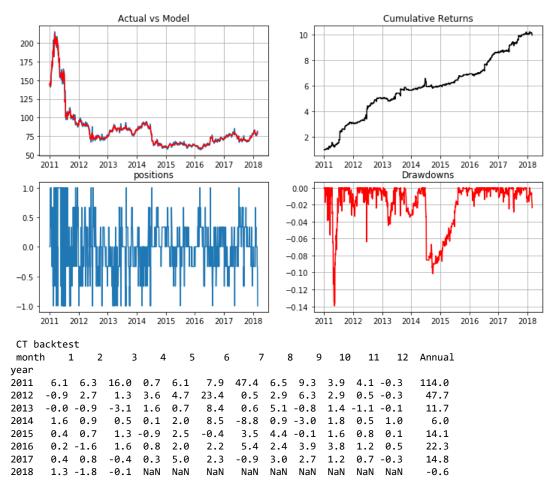
W tearsheet

cum\_ret Ann\_ret Ann\_sd sharpe max draw

date

2018-03-01 19.783773 0.339631 0.15003 2.063793 -0.121719

CT Performance

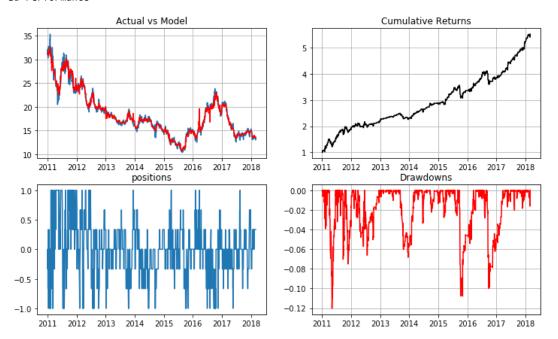


CT tearsheet

cum\_ret Ann\_ret Ann\_sd sharpe max\_draw

date 2018-03-01 9.963381 0.259553 0.084366 2.720913 -0.13943

# SB Performance



```
SB backtest
                       3
                                  5
                                                         9
 month
                2
                             4
                                        6
                                                             10
                                                                  11
                                                                        12 Annual
year
       6.0
                 17.3 -13.8 5.8
                                    10.1 10.9
           17.8
                                                5.9 -2.7
                                                          8.3 -5.9
                                                                     3.0
                                                                             62.6
2011
2012
             2.7
                   1.8
                         -6.1 -0.0
                                     5.0
                                           -3.6
                                                 3.3
                                                     0.1 1.5
                                                                             15.8
2013
             0.8
                         0.7
                               0.3
                                     1.8
                                                                              4.8
       4.1
                   1.7
                                           1.6
                                                 1.1 -2.6 -4.7
                                                                1.8 -1.8
2014
       3.6
             4.3
                   1.0
                         1.8
                               2.9
                                     -0.2
                                           2.4
                                                 1.5
                                                      3.4
                                                          0.5
                                                                1.3 -0.5
                                                                             21.8
2015
       1.6
             0.6
                   -2.6
                          8.4
                               3.4
                                     3.3
                                                     -1.1 -7.7
                                                                             16.0
2016
                                                 0.0 -9.2 -0.2
                                                                             13.8
      -0.2
             3.4
                   3.0
                          2.1
                               2.6
                                     5.5
                                           3.1
                                                                3.6
                                                                      0.1
2017
                          2.8
                               4.9
                                                 2.8
                                                           2.5
             1.1
                   2.5
                                     1.8
                                                               -0.1
                                                                             30.6
2018
             0.9
                   0.8
                                           NaN
                                                 NaN
                                                      NaN
                                                           NaN
       3.6
                         NaN
                               NaN
                                     NaN
                                                                NaN
                                                                      NaN
                                                                              5.3
```

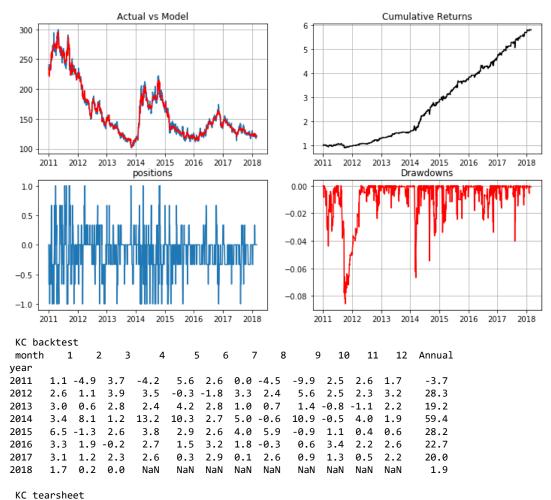
#### SB tearsheet

cum\_ret Ann\_ret Ann\_sd sharpe max\_draw

date

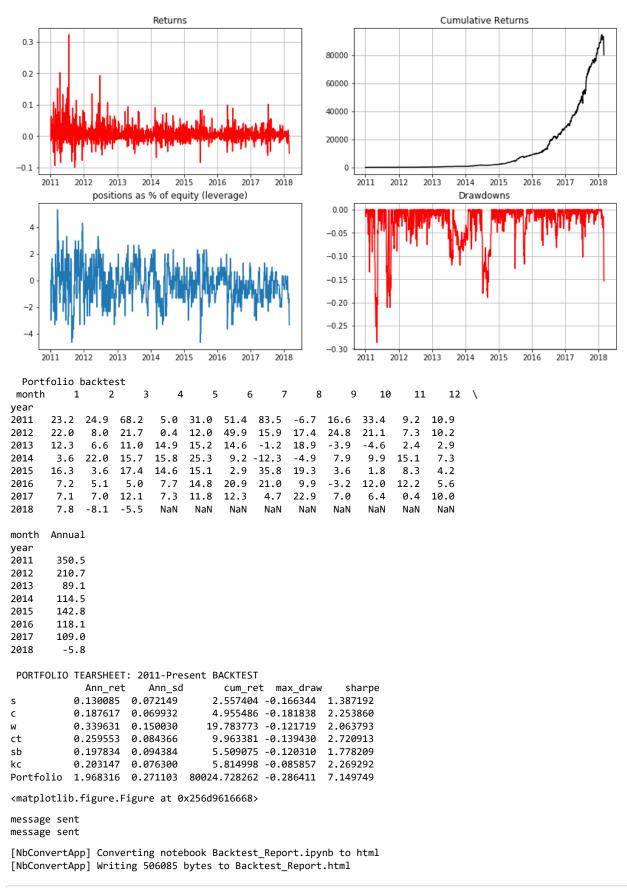
2018-03-01 5.509075 0.197834 0.094384 1.778209 -0.12031

#### KC Performance



Ann\_ret Ann\_sd sharpe max\_draw cum\_ret date 2018-03-01 5.814998 0.203147 0.0763 2.269292 -0.085857

Portfolio Performance



```
In [ ]: !jupyter nbconvert Backtest_Report.ipynb --to html
```