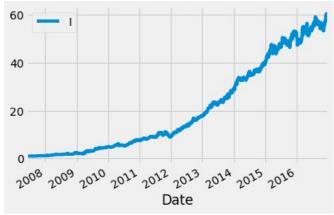
In [28]: runfile('E:/GitWorkSpace/v-ratio-momentum-and-ladder/portfolio.py', wdir='E:/
GitWorkSpace/v-ratio-momentum-and-ladder')

Reloaded modules: WhiteRealityCheckFor1, computation_helper, data_helper,
rotational momentum

requested data history already exists!



TotaAnnReturn = 601.400074

CAGR = 50.460000

Sharpe Ratio = 1.703000

Volatility= 0.272000

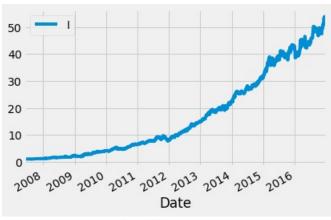
number of records for the series after dropping na: 1017

average return 0.005222

[-0.00304712 0.00301415]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough) p value:

0.0004399999999999595



TotaAnnReturn = 534.992377

CAGR = 48.740000

Sharpe Ratio = 1.648000

Volatility= 0.274000

number of records for the series after dropping na: 1017

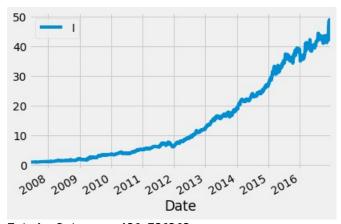
average return 0.004884

[-0.0030013 0.00304195]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough)

p value:

0.000839999999999519



TotaAnnReturn = 486.786368

CAGR = 47.370000

Sharpe Ratio = 1.587000

Volatility= 0.279000

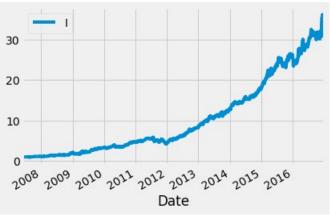
number of records for the series after dropping na: 1017

average return 0.004488

[-0.00295262 0.00301221]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough) p value:

0.001979999999999818



TotaAnnReturn = 351.011606

CAGR = 42.750000

Sharpe Ratio = 1.428000

Volatility= 0.290000

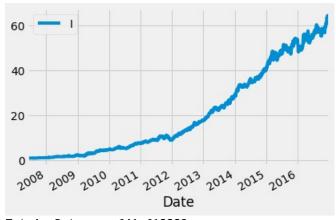
number of records for the series after dropping na: 1017

average return 0.004410

[-0.00301833 0.00308251]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough) p value:

0.0029000000000000137



TotaAnnReturn = 641.618889

CAGR = 51.420000

Sharpe Ratio = 1.727000

Volatility= 0.272000

number of records for the series after dropping na: 1017

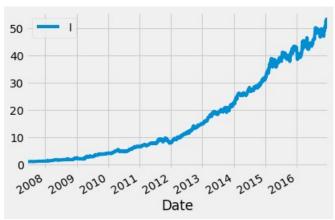
average return 0.005222

[-0.00302401 0.00305587]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough) p value:

0.00048000000000003595

 invalid value encountered in double_scalars
 vratio = t/(lag*b);



TotaAnnReturn = 529.649500

CAGR = 48.600000

Sharpe Ratio = 1.644000

Volatility= 0.274000

number of records for the series after dropping na: 1017

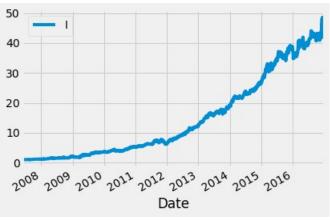
average return 0.004884

[-0.0029944 0.00304813]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough)

p value:

0.0009000000000000119



TotaAnnReturn = 482.232765

CAGR = 47.240000

Sharpe Ratio = 1.584000

Volatility= 0.279000

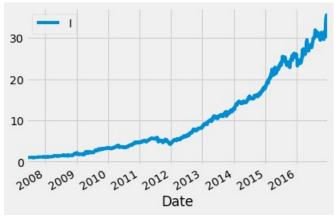
number of records for the series after dropping na: 1017

average return 0.004488

[-0.00294225 0.00298399]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough) p_value:

0.0019599999999999618



TotaAnnReturn = 345.374158

CAGR = 42.520000

Sharpe Ratio = 1.422000

Volatility= 0.290000

number of records for the series after dropping na: 1017

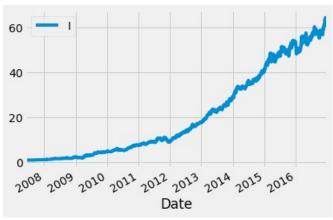
average return 0.004410

[-0.00299742 0.00306616]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough)

p_value:

0.00270000000000000357



TotaAnnReturn = 640.313758

CAGR = 51.390000

Sharpe Ratio = 1.726000

Volatility= 0.272000

number of records for the series after dropping na: 1017

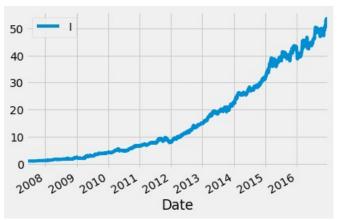
average return 0.005222

[-0.00299905 0.00304292]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough)

p value:

0.000340000000000000696



TotaAnnReturn = 532.184173

CAGR = 48.670000

Sharpe Ratio = 1.644000

Volatility= 0.275000

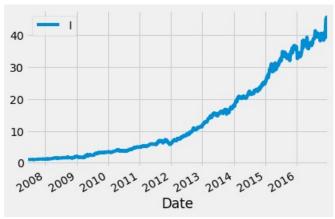
number of records for the series after dropping na: 1017

average return 0.004897

[-0.0030248 0.00306069]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough) p value:

0.00080000000000000229



TotaAnnReturn = 452.135957

CAGR = 46.310000

Sharpe Ratio = 1.554000

Volatility= 0.281000

number of records for the series after dropping na: 1017

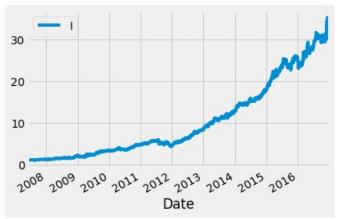
average return 0.004337

[-0.00294091 0.00305999]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough)

p value:

0.00290000000000000137



TotaAnnReturn = 342.047428

CAGR = 42.390000

Sharpe Ratio = 1.418000

Volatility= 0.290000

number of records for the series after dropping na: 1017

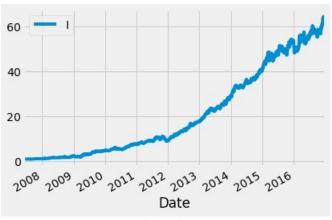
average return 0.004410

[-0.00303506 0.00305355]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough)

p value:

0.00260000000000000467



TotaAnnReturn = 640.313758

CAGR = 51.390000

Sharpe Ratio = 1.726000

Volatility= 0.272000

number of records for the series after dropping na: 1017

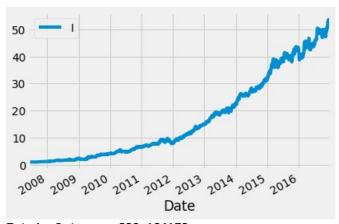
average return 0.005222

[-0.00302036 0.00305515]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough)

p value:

0.000480000000000003595



TotaAnnReturn = 532.184173

CAGR = 48.670000

Sharpe Ratio = 1.644000

Volatility= 0.275000

number of records for the series after dropping na: 1017

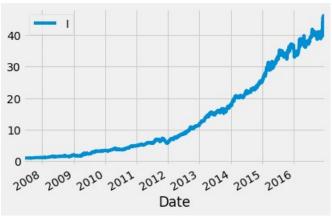
average return 0.004897

[-0.0029937 0.00306035]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough)

p value:

0.00078000000000000029



TotaAnnReturn = 457.549724

CAGR = 46.480000

Sharpe Ratio = 1.558000

Volatility= 0.281000

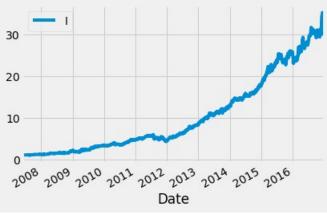
number of records for the series after dropping na: 1017

average return 0.004337

[-0.00293947 0.00301529]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough) p value:

0.002639999999999757



TotaAnnReturn = 342.047428

CAGR = 42.390000

Sharpe Ratio = 1.418000

Volatility= 0.290000

number of records for the series after dropping na: 1017

average return 0.004410

[-0.00302425 0.00305353]

Reject Ho = The population distribution of rule returns has an expected value of zero or less (because p_value is small enough) p value:

0.00280000000000000247

In [29]: