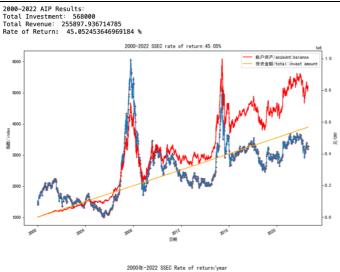
Automatic Investment Plan Results Summary

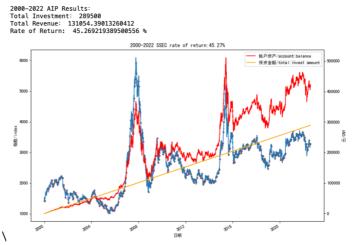
Assumption 1:

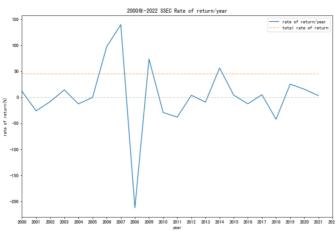
Target Market: SSEC Shanghai Composite Index

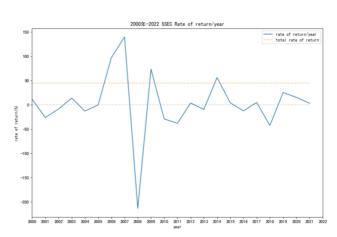
Duration: 2000-01-01 — 2022-08-18

frequence=7 #定投频率 7days invest_money = 500 #每次定投金额 frequence= 14 #定投频率 14days invest_money = 500 #每次定投金额



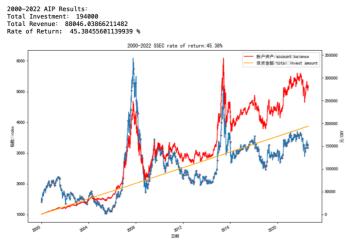


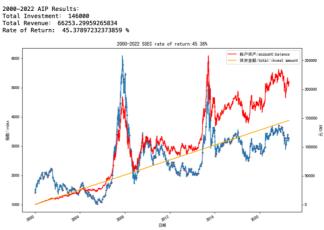


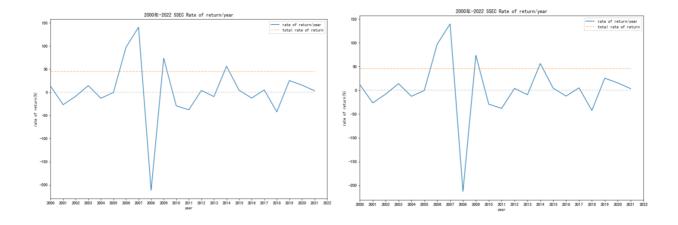


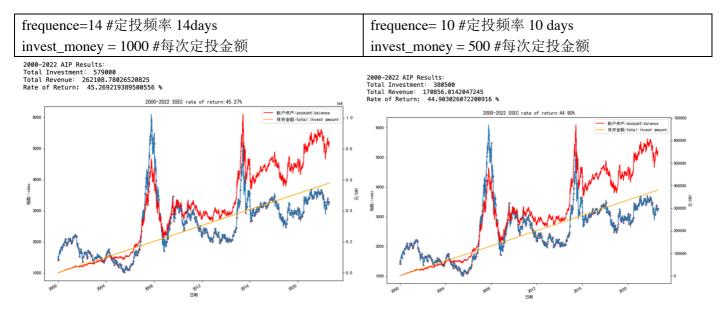
frequence=21 #定投频率 7days invest_money = 500 #每次定投金额

frequence= 28 #定投频率 28days invest_money = 500 #每次定投金额









Conclusion 1: With the above first four case assumptions (investment frequency of 7, 14, 21, 28 days) we can easily find that the frequency does not cause a significant change in the overall return over the 20 years, and the change in investment frequency does not result in a cumulative return in each year.

Although the total investment amount of the four cases is different because the frequency is different and each investment amount must be 500. However, the difference in the total investment amount does not cause any change to the conclusion.

The following two case, the first one is the total investment amount equal to the total investment amount in first assumption (frequency=7, investment = 500), and the second one is the investment frequency of non-week fixed day case. And we find same conclusion with the first four case.

Assumption 2:

Target Market: SSEC Shanghai Composite Index

Duration: 2000-01-01 — 2022-08-18

frequence=7 #定投频率 7days	frequence= 7 #定投频率 7days
invest_money = 500 #每次定投金额	invest_money = 500 #每次定投金额
Two Section:	Three Section:
2000-01-01 — — 2007-12-31	2000-01-01 — — 2007-12-31
2008-01-01 — — 2022-08-18	2008-01-01 — — 2015-12-31
	2016-01-01 — -2022-08-18

2000-2007 Section AIP Results: Total Investment: 197500

Total Revenue: 428523.5497586923 Rate of Return: 216.97394924490746 %

2008-2022 Section AIP Results: Total Investment: 370500

Total Revenue: 63436.29965287889 Rate of Return: 17.121808273381617 %

General 2000-2022 AIP Results:
Total Investment: 568000

Total Revenue: 491959.84941157117 Rate of Return: 86.6126495442907 % 2000-2007 Section AIP Results: Total Investment: 197500

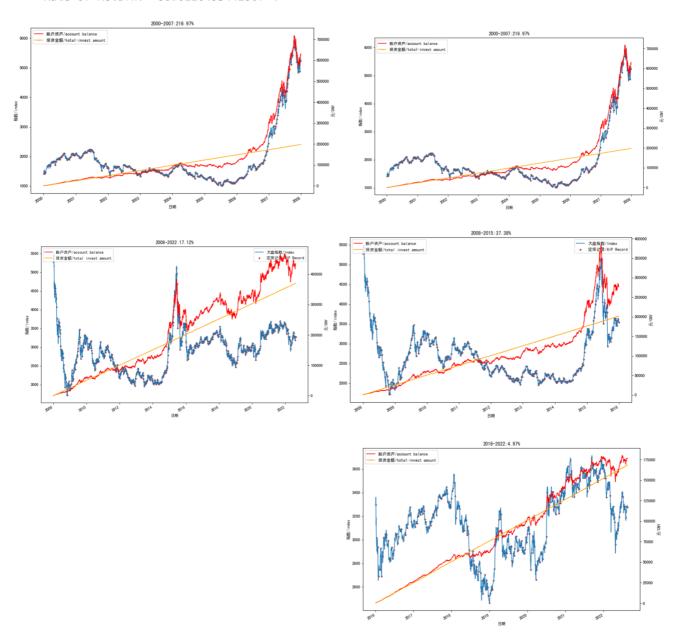
Total Revenue: 428523.5497586923 Rate of Return: 216.97394924490746 %

2008-2015 Section AIP Results: Total Investment: 202000 Total Revenue: 75498.31650891031 Rate of Return: 37.37540421233184 %

2016-2022 Section AIP Results: Total Investment: 168500

Total Revenue: 8380.293316223477 Rate of Return: 4.973467843456069 %

General 2000-2022 AIP Results: Toal Investment: 568000 Total Revenue: 512402.1595838261 Rate of Return: 90.21164781405389 %



Conclusion 2: The above results confirm my suspicion that long-term investments need to take into account the economic cycle which can improve the overall rate of return.

Assumption 3:

Target Market: SSEC Shanghai Composite Index

Duration: 2018.01.01-2022.8.18

Company: Alipay

Strategy Detail (500-day SMA)

- Within 15% above the average line, 90% deduction
- Above the average line 15-50%, 80% deduction
- Above the average line 50-100%, 70% deduction
- Above the average line 100% or more, 60% deduction

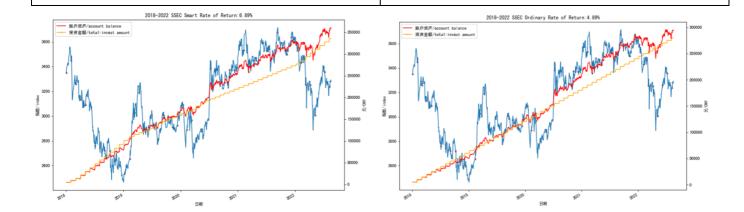
Smart Investment Strategy:
Total Investment: 336000.0

Total Revenue: 23141.742914370618
Rate of Return: 6.887423486419826 %

Ordinary Investment Strategy: Total Investment: 280000

Total Revenue: 13700.70310121346 Rate of Return: 4.893108250433379 %

- Less than 5% amplitude in the last 10 days
- o Within 5% below the average, 160% deduction
- o Within 5-10% below the SMA, 170% deduction
- o Within 10-20% of the SMA, 180% deduction
- o Within 20-30% below the SMA, 190% deduction
- o Within 30-40% below the SMA, 200% deduction
- o Below the average line of 40% or more, 210% deduction
- Amplitude greater than 5% in the last 10 days
- o Within 5% below the SMA, 60% deduction
- o Within 5-10% below SMA, 70% deduction
- o Within 10-20% below the SMA, 80% deduction
- o Within 20-30% below the SMA, 90% deduction
- o Within 30-40% below the SMA, 100% deduction
- o Below the average line of 40% or more, 110% deduction



Assumption 4:

Target Market: SSEC Shanghai Composite Index

Duration: 2018.01.01-2022.8.18

Company: Fullgoal Fund Management Strategy Detail (500-day SMA)

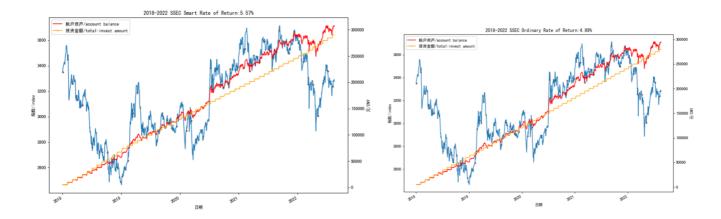
http://www.fullgoal.com.cn/investment/zhineng/index.html

Smart Investment Strategy: Total Investment: 290500.0

Total Revenue: 16166.334990933176 Rate of Return: 5.565003439219682 %

Ordinary Investment Strategy: Total Investment: 280000

Total Revenue: 13700.70310121346
Rate of Return: 4.893108250433379 %



Assumption 5:

Target Market: SSEC Shanghai Composite Index

Duration: 2018.01.01-2022.8.18 Company: E Fund Management Strategy Detail (500-day SMA)

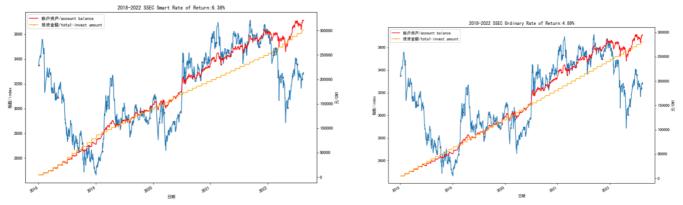
http://www.efunds.com.cn/html/upd/201110/zhinengdingtou/index.html

Smart Investment Strategy: Total Investment: 301000.0

Total Revenue: 19214.361084846998 Rate of Return: 6.383508666062125 %

Ordinary Investment Strategy: Total Investment: 280000

Total Revenue: 13700.70310121346 Rate of Return: 4.893108250433379 %



Conclusion 3: By examining the SSEC index data from 2018 to 2022, using the 500-day average method (500-day SMA), it was found that the overall return of Aplipay would be more objective compared with Fullgoal and Efund. The three smart auto investment plan strategy will behave much better compared with the ordinary strategy.

General Conclusion:

Employ python and SSEC closing price data from 2000 to 2022 to explore the application of the moving average method in smart auto investment plan. Find a result that long-term investments need to take into account the economic cycle which can improve the overall rate of return. Besides that, with a uniform investment strategy, the overall rate of return is almost the same for different investment frequencies within a certain investment duration. By exploring the 500-day moving average investment strategies of Alipay, F&C and Efund, we find that strategy of Alipay only triggers the deduction when it encounters some long-term and particularly large market fluctuations which might be slow to react to market variance. But for an overall stable rebounding upward market, the strategy instead performs better.