stock

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2020/12/24

Backgroud

An unanticipated disease called coronavirus disease 2019 (COVID-19) has spread worldwide since the end of 2019. The coronavirus (COVID-19) has spread to 216 countries, areas or territories, and has resulted in over 8.3 million confirmed cases as well as over 450000 deaths across the globe as of June 19, 2020. Given the widespread and ongoing transmission of the novel coronavirus worldwide, the WHO officially declared a pandemic on March 11, 2020.

The disease affects almost every aspects of our daily life, including the investment. Therefore, for the investors, they should take the influence of the stock as an important consideration.

Stock Index

Instead of the stock, I invested the stock index which is an index that measures a stock market, or a subset of the stock market, that helps investors compare current price levels with past prices to calculate market performance. I chose three indexs, which are GOOG, GSPC, SPDN. The Chandlestick charts are from the package tidyquant.
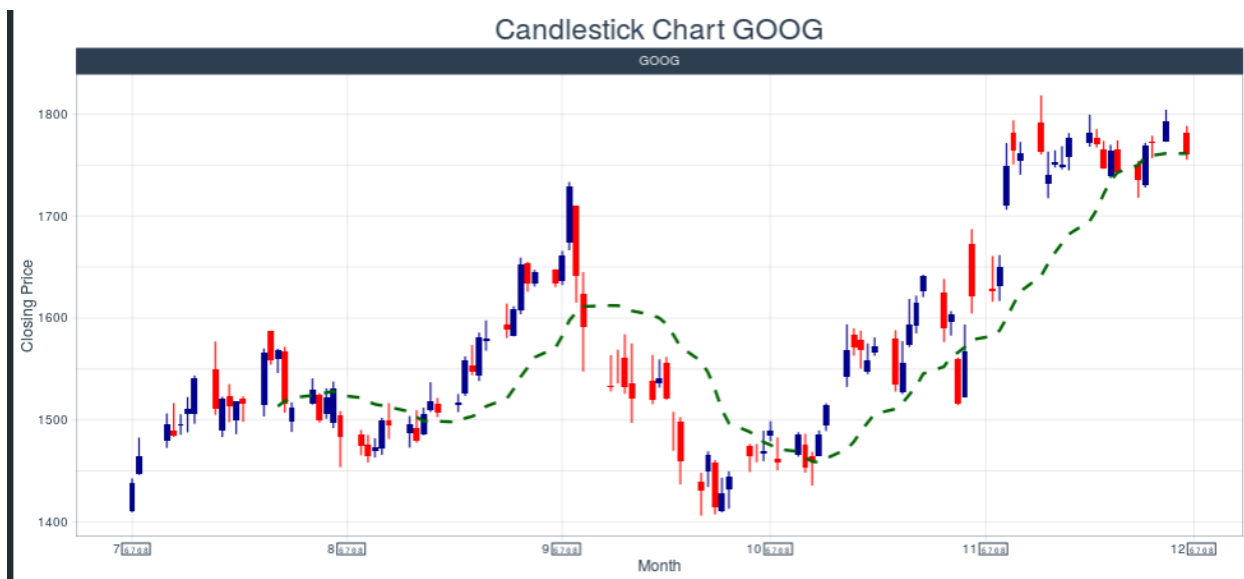

Figure 1: A caption

Shiny

After observing the trend of three chandlestick charts, I created a shiny application which can show the portfolio analysis. In the shiny application, I can change the proportion of three stock index, and track the
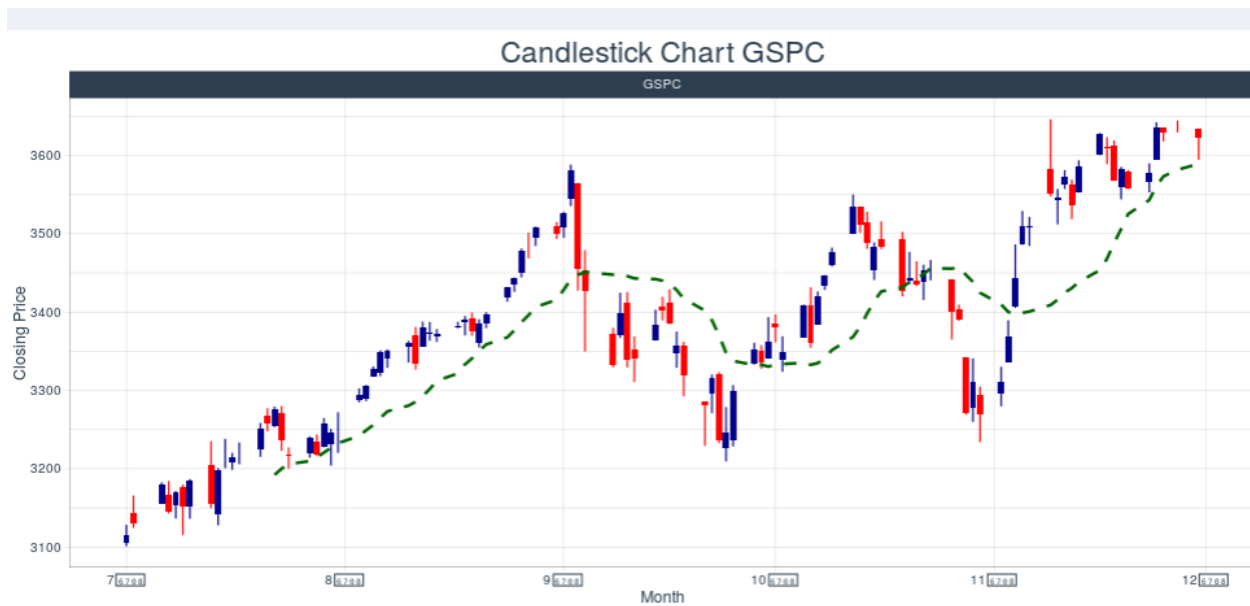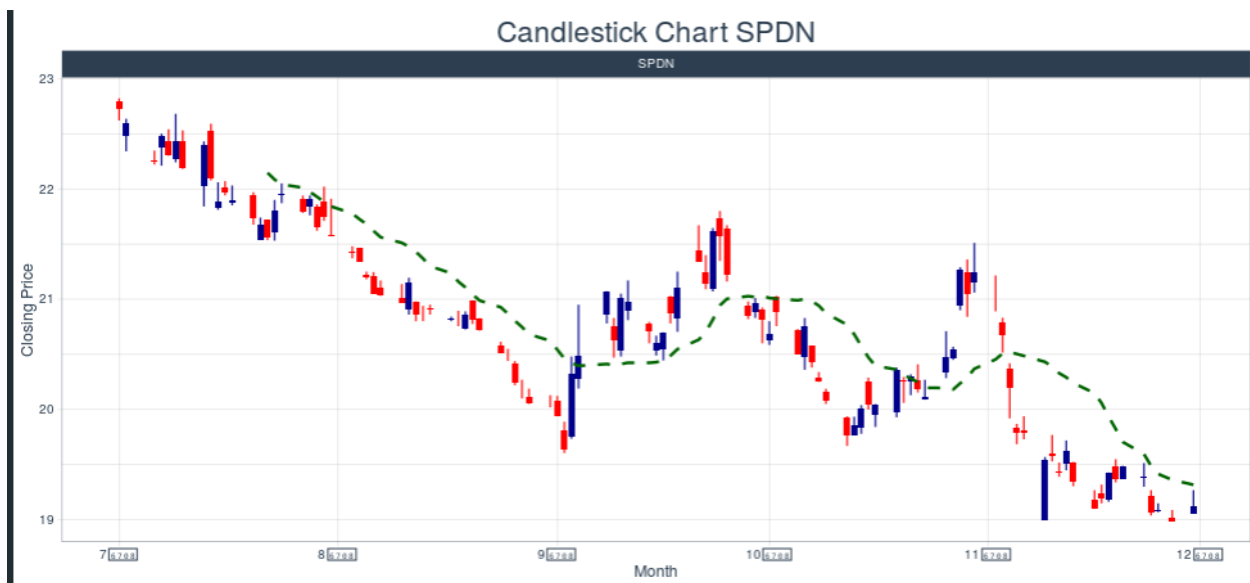
Figure 2: A caption

Figure 3: A caption

portfolio.

Investment

At the beginning, I had 250,000 dollars. I invested 20% of my portfolio to GOOG, 30% to GSPC, 50% to SPDN.
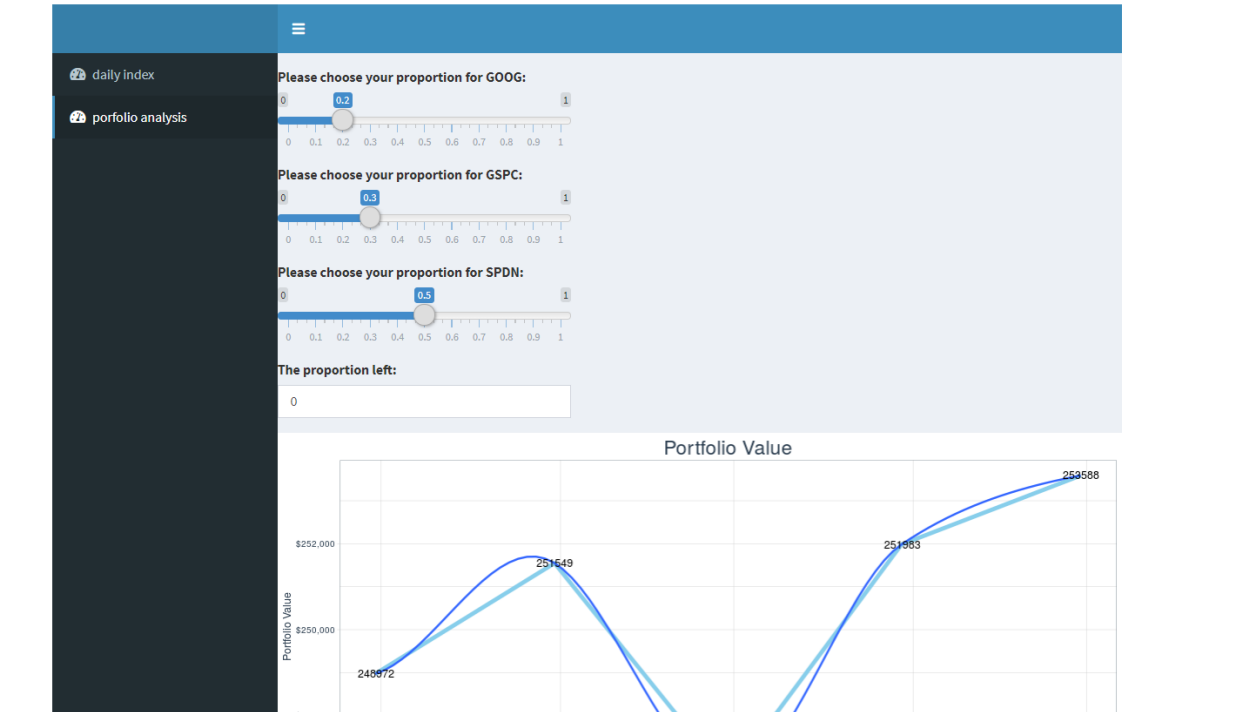

Figure 4: A caption

Therefore, I finally got 253,588 dollars. In this investment, I made 2,588 dollars.

Reference

https://www.fa-mag.com/financial-advisor-magazine/issues/2020/06