Portfolio Investment Report

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Introduction

The COVID-19 pandemic had a devastating effect on the economy in the United States this year. In early March 2020, the first lockdown began and the stock market plunged. After this initial reaction, however, the market recovered. In this report, I will make an investment decision based on advice from online financial websites with an initial amount 25000 dollars and show the performances of my investment portfolio.

From Investment Insights on the Path Ahead to a Market Recovery posted on June 26, 2020, the technology sector and healthcare sector can be continued to operate regardless of circumstances so the financial markets are more likely to favor them. Besides, from BlackRock Adopts New Investing Framework Due to Pandemic posted on June 30, 2020, Chinese and South Korean stocks are more likely to be favored by the markets compared to other stocks. My final investment decision is to invest 30% in ZM, 30% in TCEHY, 20% in BABA, and 20% in CVS. These stocks are from corporations which I frequently use their products and services this year and I am trusted in. One is in the healthcare sector and the other three are in the technology sector. Two of them are Chinese stocks.

Portfolio

Component and Weights

1.Zoom Video Communications, Inc.(**ZM**): 30%

2.Tencent Holdings Limited (TCEHY): 30%

3. Alibaba Group Holding Limited (BABA): 20%

4.CVS Health Corporation (CVS): 20%

Performance of individual stock

Stock price

symbol	date	currency	open	high	low	close	volume	adjusted
ZM	2020-07-01	USD	251.35	261.00	247.21	259.13	6803300	259.13000
\overline{ZM}	2020-12-01	USD	434.72	434.99	401.72	406.31	20916100	406.31000
TCEHY	2020-07-01	USD	64.15	65.06	64.15	65.02	2695800	65.02000
TCEHY	2020-12-01	USD	74.75	75.05	74.26	74.60	1883200	74.60000
BABA	2020-07-01	USD	215.81	216.55	214.74	215.95	11788100	215.95000
BABA	2020-12-01	USD	265.47	265.67	261.57	264.01	14606300	264.01001
CVS	2020-07-01	USD	64.97	65.60	64.49	64.56	5008000	63.52073
CVS	2020-12-01	USD	68.39	69.33	67.36	67.54	8239700	67.54000

Figure 1. The prices of stocks on July 01 2020 and December 01 2020 from yahoo!finance.

Figure 2. The movement of stocks' close prices.





Figure 2 shows the close price of ZM fluctuates the most and the close prices of CVS and TCEHY did not change much.

Figure 3. The movement of stocks' daily returns.

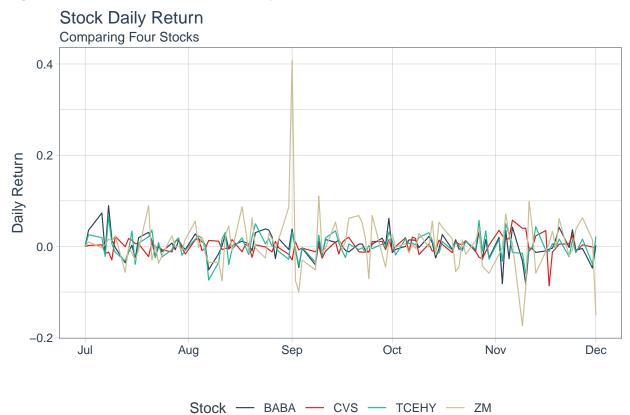


Figure 3 shows that ZM had the highest daily return which was 4.1% on September 01, 2020 and the lowest daily return which was -17% on November 09, 2020.

Figure 4. The movement of stocks' growths.

Stock Growth



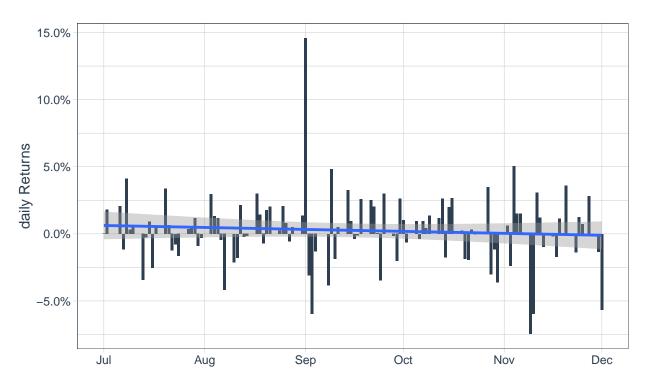
Figure 4 shows that the stock growth of ZM fluctuates the most among four stocks. By December 01, 2020, for the stocks with the same initial investment amount, the stock value of ZM is higher than TCEHY and the stock value of BABA is higher than CVS.

Performance of portfolio

Figure 5. The daily return of portfolio.

date	Daily Return
2020-07-01	0.0000
2020-09-01	0.1458
2020-11-09	-0.0747
2020-12-01	-0.0565

Portfolio Return



Shows an above-zero trend meaning positive returns

Figure 5 shows that the highest daily return of my portfolio is 14.58% on September 01, 2020, and the lowest is -7.5% on November 09,2020.

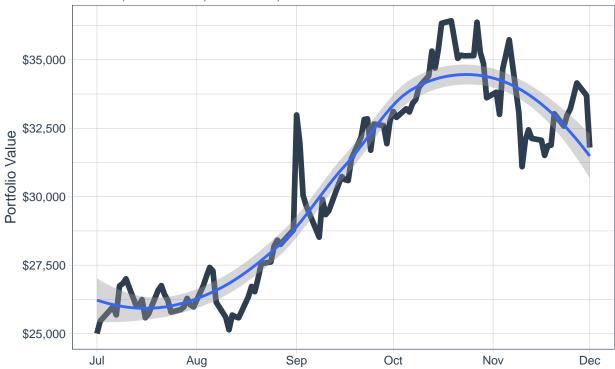
Figure 6. The initial investment amount and final transaction amount (USD).

date	Portfolio Value
2020-07-01	25000.00
2020-12-01	31794.01

Figure 7. The movement of portfolio's value.

Portfolio Growth

30% ZM, 30% TCEHY, 20% BABA, 20% CVS



The highest investment value between July 01, 2020 and December 01, 2020 is 36426 dollars on October 19, 2020. Besides, the investment growth did not drop lower than the initial investment amount 25000 dollars during this period.

Result

The final transaction returned to cash on December 01, 2020 is 31794 dollars with an initial investment amount 25000 dollars on July 01 2020. The highest daily return of my portfolio is 14.58% on September 01, 2020. ZM grows much more than the other three stocks in my portfolio. It is not surprising to find that the movement of portfolio's value is similar with the movement of ZM's growth.

Shiny App

The Shiny App has been published: https://bu-rstudio-connect.bu.edu/content/57, and $https://ydu199.shinyapps.io/Final_Project/$

Github Repository

All codes can be approached from my github repository: https://github.com/ydu199/Final-Proj..git

Reference

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