**Overview of Project:**

The purpose of this Analysis was to determine yearly stock performance of DAQO New Energy Corp (DQ) which Steve’s parents had invested. Steve wants to analyze the performance of DQ in the year 2017 & 2018 and based on the findings suggest his parents to diversify their investment portfolio which will give them higher returns.

**Results:**

* Stock performance of 2017 can be found at <https://github.com/sachinnabar/Stock-Analysis/blob/main/Resources/2017%20Stock%20Analysis.PNG>
* Stock performance of 2018 can be found at <https://github.com/sachinnabar/Stock-Analysis/blob/main/Resources/2017%20Stock%20Analysis.PNG>
* DQ has 199.4% return in 2017 which probably was one of the main reasons for Steve’s Parents to invest in DQ
* DQ has -62.6% return in 2018 which shows Steve’s Parents needs to relook at their investment and look for better performing portfolio
* Based on the Analysis ran for 2017 & 2018 Steve’s Parents should look at investing in ENPH & RUN.
* ENPH had return of 129.5% in 2017 while 81.9% in 2018
* RUN had return of 5.5% in 2017 while 84.0% in 2018
* Based on the Analysis only 02 Companies in Green Energy sector has seen positive returns in 2018 compared to 2017 where 11 Companies had positive returns
* Green Energy Sector has seen significant decline in majority of the sector in 2018.
* Stock performance 2017 Macro Running time is shown in <https://github.com/sachinnabar/Stock-Analysis/blob/main/Resources/2017%20Stock%20Analysis%20Run%20Time.PNG>
* Stock performance 2018 Macro Running time is shown in <https://github.com/sachinnabar/Stock-Analysis/blob/main/Resources/2018%20Stock%20Analysis%20Run%20Time.PNG>

**Summary:**

* **Advantages & Disadvantages of Refactored Code**

To begin with, the refactored code has shorter run time than the non-refactored code which is due to the use of the array script. The array script limits the number of times the macro needs to “read” the data as opposed to the non-factored code which has the macro continuously loop and “read” the data for each ticker

* **Pros and Cons of Refactoring the Original VBA Script**

The most obvious benefit of the refactored code is that it reduces the run time of the macro.

The refactoring code reduces the time of creating it.