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Code Description

This R code allows to compute a number of parameters related to the efficient frontier area of Harry Markowitz (1952) from data obtained from the Yahoo Finance website on the stock prices of 2 US retail companies: Walmart and Costco. The code is able to perform the following:

- 1. Walmart and Costco daily price charts
- 2. Calculation and chart of daily logarithmic returns for Walmart and Costco
- 4. Calculation and chart of the efficient frontier for 16 portfolios
- 5. Calculation and chart of the minimum variance portfolio (MVP)

References

 $\underline{https://finance.yahoo.com/quote/WMT/}\ (Walmart)$

https://finance.yahoo.com/quote/COST/ (Costco)

https://es.finance.yahoo.com/quote/%5ETNX/ (10-year U.S. Treasury Bonds)

