**[CHMLTECH](https://www.chmltech-consulting.com/" \t "_self)**

[**OPERATIONAL**](https://www.chmltech-consulting.com/)

[**EXCELLENCE CONSULTING**](https://www.chmltech-consulting.com/)

Riipen Project Final Report:

Let’s start by showing the final product, here is my stock market report which have significant tools used for modern stock report.

A screen shot of a graph

Description automatically generated

1. Headers here in the report are the company’s name

A screenshot of a computer

Description automatically generated

The White arrow points toward the company’s name and the red arrow points towards the drop down menu where you can select the companies symbol.

I used the stock list provided to fetch the data from Yahoo finance using the following queries:

(StickerSymbol as text) as table =>

let

EpochReferenceDate = #datetime(1970,1,1,0,0,0),

DefaultStartDate = DateTime.From(Date.AddYears(Date.From(DateTime.LocalNow()),-5)),

DefaultEndDate = DateTime.From(Date.From(DateTime.LocalNow())),

StartDate = if Date.DayOfWeek(DefaultStartDate, Day.Monday) = 5 then Date.AddDays(DefaultStartDate,-1) else /\* Saturday \*/

if Date.DayOfWeek(DefaultStartDate, Day.Monday) = 6 then Date.AddDays(DefaultStartDate,-2) else /\* Sunday \*/

if Date.DayOfWeek(DefaultStartDate, Day.Monday) = 0 then Date.AddDays(DefaultStartDate,-3) else DefaultStartDate, /\* Monday \*/

EndDate = if Date.DayOfWeek(DefaultEndDate, Day.Monday) = 5 then Date.AddDays(DefaultEndDate,-1) else /\* Saturday \*/

if Date.DayOfWeek(DefaultEndDate, Day.Monday) = 6 then Date.AddDays(DefaultEndDate,-2) else /\* Sunday \*/

if Date.DayOfWeek(DefaultEndDate, Day.Monday) = 0 then Date.AddDays(DefaultEndDate,-3) else DefaultEndDate, /\* Monday\*/

StartOfPeriod = Text.Start(Number.ToText(Duration.TotalSeconds(StartDate - EpochReferenceDate)),10),

EndOfPeriod = Text.Start(Number.ToText(Duration.TotalSeconds(EndDate - EpochReferenceDate)),10),

Source = Csv.Document(Web.Contents("https://query1.finance.yahoo.com/v7/finance/download/"&StickerSymbol&"?period1="&StartOfPeriod&"&period2="&EndOfPeriod&"&interval=1d&events=history&includeAdjustedClose=true"),[Delimiter=",", Columns=7, Encoding=65001, QuoteStyle=QuoteStyle.None]),

#"Promoted Headers" = Table.PromoteHeaders(Source, [PromoteAllScalars=true]),

#"Changed Type" = Table.TransformColumnTypes(#"Promoted Headers",{{"Date", type date}, {"Open", type number}, {"High", type number}, {"Low", type number}, {"Close", type number}, {"Adj Close", type number}, {"Volume", Int64.Type}})

in

#"Changed Type"

Moving on

A black background with white dots

Description automatically generated

Last close price: The market price for the share at the end of the last day of trading.

Query used: “

Last Close Price =

VAR \_LastDate = CALCULATE(MAX(Stocks[Date]), ALLSELECTED(Stocks))

RETURN

CALCULATE( AVERAGE( Stocks[Close] ), Stocks[Date] = \_LastDate)

”

Variation increases and decrease:

A black background with white dots

Description automatically generated

The change or difference in condition in increasing order. “

Variation # =

VAR \_Delta = [Last Close Price] - [BeginingPeriodPrice]

VAR \_Period = MAX(dimPeriod[Period])

VAR \_Arrow = IF(\_Delta > 0, UNICHAR( 129033 ) , UNICHAR( 129035 )) & " "

RETURN

\_Arrow & FORMAT(ABS(\_Delta), "0.00") & " " & \_Period

”

The change or difference in condition in decreasing order.

“Variation % =

VAR \_Variation = DIVIDE([Last Close Price], [BeginingPeriodPrice]) - 1

VAR \_Arrow = IF(\_Variation > 0, UNICHAR( 129033 ) , UNICHAR( 129035 )) & " "

RETURN

\_Arrow & FORMAT(ABS(\_Variation), "0.00%")

”

At close:

A black background with white dots

Description automatically generated

The closing date or the last available date data extracted.

Period:

A black background with white dots

Description automatically generated

The blue arrow points towards the period column, where you can select the time period to see the stock report from 1 day to 5Y data is available.

The orange arrow here points toward the 20-, 30-, 40- and 50-days column, which if changed show you the weighted average for the period.

Stock Report

A screen shot of a graph

Description automatically generated

The report shows the visual representation of the stock of the selected company, We have used the BearishCandle and BullishCandle to get the graph. The Y-axis shows the stock value and X-axis shows the year and timeline.

The line passing in between the stock is the weighted average which is being calculated using the volume.

RSI:

A screen shot of a computer

Description automatically generated

The RSI is calculated using the A number and a number on a white background

Description automatically generated with medium confidence

It is presented in the percentage with the X-axis as the year.

The learning from this project: