```
Sub stock_analysis()
    ' Set dimensions
    Dim total As Double
    Dim i As Long
    Dim change As Double
    Dim j As Integer
    Dim start As Long
    Dim rowCount As Long
    Dim percentChange As Double
    Dim days As Integer
    Dim dailyChange As Double
    Dim averageChange As Double
    Dim ws As Worksheet
    Dim increase_number As Long
    Dim decrease_number As Long
    Dim volume_number As Long
    Dim maxIncreaseTicker As String
    Dim maxDecreaseTicker As String
    Dim maxVolumeTicker As String
    Dim maxIncrease As Double
    Dim maxDecrease As Double
    Dim maxVolume As Double

    ' Loop through each worksheet (tab) in the Excel file
    For Each ws In Worksheets
        ' Initialize values for each worksheet
        j = 0
        total = 0
        change = 0
        start = 2
        dailyChange = 0
        maxIncrease = 0
        maxDecrease = 0
        maxVolume = 0

        ' Set title row
        ws.Range("I1").Value = "Ticker"
        ws.Range("J1").Value = "Yearly Change"
        ws.Range("K1").Value = "Percent Change"
        ws.Range("L1").Value = "Total Stock Volume"
        ws.Range("P1").Value = "Ticker"
        ws.Range("Q1").Value = "Value"

        ' get the row number of the last row with data
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    rowCount = ws.Cells(ws.Rows.Count, "A").End(xlUp).Row

    For i = 2 To rowCount
        ' If ticker changes then print results
        If ws.Cells(i + 1, 1).Value <> ws.Cells(i, 1).Value Then
            ' Stores results in variables
            total = total + ws.Cells(i, 7).Value

            ' Handle zero total volume
            If total = 0 Then
                averageChange = 0
                increase_number = 0
                decrease_number = 0
            Else
                ' Find First non zero starting value
                start = i - j

                ' Calculate Change
                change = ws.Cells(i, 6) - ws.Cells(start, 3)
                percentChange = (change / ws.Cells(start, 3)) * 100

                ' start of the next stock ticker
                start = i + 1

                ' print the results
                ws.Range("I" & 2 + j).Value = ws.Cells(i, 1).Value
                ws.Range("J" & 2 + j).Value = change
                ws.Range("J" & 2 + j).NumberFormat = "0.00"
                ws.Range("K" & 2 + j).Value = percentChange
                ws.Range("K" & 2 + j).NumberFormat = "0.00%"
                ws.Range("L" & 2 + j).Value = total

                ' colors positives green and negatives red
                If change > 0 Then
                    ws.Range("J" & 2 + j).Interior.Color = RGB(0, 255, 0) ' Green background for
positive numbers
                    If change > maxIncrease Then
                        maxIncrease = change
                        maxIncreaseTicker = ws.Cells(i, 1).Value
                    End If
                    increase_number = increase_number + 1
                ElseIf change < 0 Then
                    ws.Range("J" & 2 + j).Interior.Color = RGB(255, 0, 0) ' Red background for
negative numbers
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                    If change < maxDecrease Then
                        maxDecrease = change
                        maxDecreaseTicker = ws.Cells(i, 1).Value
                    End If
                    decrease_number = decrease_number + 1
                Else
                    ws.Range("J" & 2 + j).Interior.ColorIndex = xlNone ' Remove background color
for zero values
                End If
            End If

            ' reset variables for new stock ticker
            total = 0
            change = 0
            j = j + 1
            days = 0
            dailyChange = 0
        ' If ticker is still the same add results
        Else
            total = total + ws.Cells(i, 7).Value
        End If
    Next i

    ' take the max and min and place them in a separate part in the worksheet
    ws.Range("P2").Value = maxIncreaseTicker
    ws.Range("P3").Value = maxDecreaseTicker
    ws.Range("P4").Value = maxVolumeTicker

    ' returns one less because header row not a factor
    volume_number = rowCount - 1

    ' final ticker symbol for  total, greatest % of increase and decrease, and average
ws.Range("O2").Value = "Total Stock Volume"
ws.Range("O3").Value = "Greatest % Increase"
ws.Range("O4").Value = "Greatest % Decrease"

' populate the corresponding values
ws.Range("Q2").Value = WorksheetFunction.Sum(ws.Range("L2:L" & rowCount))
ws.Range("Q3").Value = maxIncrease
ws.Range("Q4").Value = maxDecrease

  Next ws
End Sub
```