ROI on Hand Picked Stocks 2007-2020

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portfolio <- read.csv('all\_portfolio\_prices.csv', header=TRUE, na.strings=c('',' '),  
 row.names=1)

portfolio$Date <- row.names(portfolio)

Vol <- grep('Volume', colnames(portfolio))  
close <- grep('Close',colnames(portfolio))  
Close <- portfolio[,close]  
Volume <- portfolio[,Vol]  
colnames(Close)

## [1] "TGT.Close" "FTR.Close" "UBSI.Close" "HD.Close" "JPM.Close"   
## [6] "XOM.Close" "CVX.Close" "NSANY.Close" "GNBT.Close" "MGM.Close"   
## [11] "TEVA.Close" "HST.Close" "FCAU.Close" "WFC.Close" "WWE.Close"   
## [16] "INO.Close" "QSR.Close" "GRPN.Close" "SCE.PB.Close" "FFIN.Close"   
## [21] "GOOG.Close" "WM.Close" "ONCY.Close" "S.Close" "GM.Close"   
## [26] "F.Close" "ASCCY.Close" "ARWR.Close" "COST.Close" "AAL.Close"   
## [31] "JWN.Close" "CSSEP.Close" "NUS.Close" "AMC.Close" "ADDYY.Close"   
## [36] "KSS.Close" "MSFT.Close" "LUV.Close" "HMC.Close" "PCG.Close"   
## [41] "DLTR.Close" "KGJI.Close" "NKE.Close" "AMZN.Close" "ROST.Close"   
## [46] "TMUS.Close" "WMT.Close" "TJX.Close" "TM.Close" "PBYI.Close"   
## [51] "T.Close" "JNJ.Close" "C.Close" "EPD.Close" "VZ.Close"   
## [56] "HRB.Close" "NFLX.Close" "AAP.Close" "HOFT.Close" "SIG.Close"   
## [61] "SDC.Close" "RRGB.Close" "M.Close" "JBLU.Close" "YELP.Close"

Remove NAs from the data. The colSums(is.na(Close)) isn’t returning the columns with NAs, so this must be done manually.

Close\_noNAs <- Close[,-c(9,13,17,18,25,27,32,34,46,50,61,65)]  
Volume\_noNAs <- Volume[,-c(9,13,17,18,25,27,32,34,46,50,61,65)]  
  
Close\_noNAs$SCE.PB.Close <- as.numeric(Close\_noNAs$SCE.PB.Close)  
Volume\_noNAs$SCE.PB.Volume <- as.numeric(Volume\_noNAs$SCE.PB.Volume)

Add in a value of the portfolio column for each day’s closing price of all stock that don’t have NAs.

Close\_noNAs$DailyValue <- rowSums(Close\_noNAs,na.rm=TRUE)

Add in a daily change column of the portfolio closing prices.

dayVal <- as.data.frame(Close\_noNAs$DailyValue)  
colnames(dayVal) <- 'previousDayValue'  
zero <- as.data.frame(as.numeric(dayVal$previousDayValue[1]))  
colnames(zero) <- 'previousDayValue'  
prevDay <- rbind(zero,dayVal)  
Close\_noNAs$prevDay <- prevDay[1:3303,1]  
dailyChange <- as.data.frame(Close\_noNAs$DailyValue-Close\_noNAs$prevDay)  
colnames(dailyChange) <- 'dailyValueChange'  
  
Close1 <- cbind(Close\_noNAs,dailyChange)

Add a column that gives the return in dollars on initial dollars invested.

Close1$ROI\_dollars <- Close1$DailyValue-Close1$DailyValue[1]

Add some date fields to look at the values by date, day of the week, month, and year in analyzing this data.

Close1$Date <- as.Date.character(row.names(Close1))

Close1$DayOfWeek <- weekdays(as.Date(Close1$Date))

month <- month(as.Date(Close1$Date))  
Month <- month.abb[month]  
Close1$Month <- Month

Add in the year of the Date column.

Year <- year(as.Date(Close1$Date))  
  
Close1$Year <- Year  
  
Close1$MonthYear <- paste(Close1$Month, Close1$Year, sep='-')  
Close1$MonthYear <- as.factor(Close1$MonthYear)

Add in some [unemployment](https://data.bls.gov/pdq/SurveyOutputServlet) information as a column to see how the portfolio is doing by date.

ue <- read.delim('BLS\_unemploymentRates2007-2020.txt', sep=',',header=TRUE,   
 na.strings=c('',' '))  
UE <- ue[,-14]#remove the empty 'Annual' column

Use tidyr to gather the month fields with their respective unemployment rates per month.

gatherMonths <- gather(UE, 'UE\_Month', 'UE\_monthlyRate',2:13)  
  
gatherMonths$MonthYear <- paste(gatherMonths$UE\_Month, gatherMonths$Year, sep='-')  
gatherMonths$MonthYear <- as.factor(gatherMonths$MonthYear)

UE2 <- gatherMonths[,3:4]  
Close2 <- merge(Close1, UE2, by.x='MonthYear', by.y='MonthYear')  
row.names(Close2) <- row.names(Close1)

write.csv(Close2, 'ROI\_UE\_2007\_2020.csv', row.names=FALSE)

Lets add in the volume of trades per day from the Volume\_noNAs data set. But lets add in some fields for total portfolio trades per day,

Volume1 <- Volume\_noNAs  
Volume1$DailyVolume <- rowSums(Volume1, na.rm=TRUE)  
  
dayVol <- as.data.frame(Volume1$DailyVolume)  
colnames(dayVol) <- 'previousDayVolume'  
zero <- as.data.frame(as.numeric(dayVol$previousDayVolume[1]))  
colnames(zero) <- 'previousDayVolume'  
prevDay1 <- rbind(zero,dayVol)  
Volume1$prevDayVolume <- prevDay1[1:3303,1]  
  
dailyVolumeChange <- as.data.frame(Volume1$DailyVolume-Volume1$prevDayVolume)  
colnames(dailyVolumeChange) <- 'dailyVolumeChange'  
  
Volume2 <- cbind(Volume1,dailyVolumeChange)  
Volume2$VolumeRatioDaily2Initial <- Volume2$DailyVolume/Volume2$prevDayVolume[1]

stocks <- cbind(Close2, Volume2)  
  
Stocks <- stocks[,c(2:54,64:116,1,55:63,117:120)]  
colnames(Stocks)

## [1] "TGT.Close" "FTR.Close"   
## [3] "UBSI.Close" "HD.Close"   
## [5] "JPM.Close" "XOM.Close"   
## [7] "CVX.Close" "NSANY.Close"   
## [9] "MGM.Close" "TEVA.Close"   
## [11] "HST.Close" "WFC.Close"   
## [13] "WWE.Close" "INO.Close"   
## [15] "SCE.PB.Close" "FFIN.Close"   
## [17] "GOOG.Close" "WM.Close"   
## [19] "ONCY.Close" "S.Close"   
## [21] "F.Close" "ARWR.Close"   
## [23] "COST.Close" "AAL.Close"   
## [25] "JWN.Close" "NUS.Close"   
## [27] "ADDYY.Close" "KSS.Close"   
## [29] "MSFT.Close" "LUV.Close"   
## [31] "HMC.Close" "PCG.Close"   
## [33] "DLTR.Close" "KGJI.Close"   
## [35] "NKE.Close" "AMZN.Close"   
## [37] "ROST.Close" "WMT.Close"   
## [39] "TJX.Close" "TM.Close"   
## [41] "T.Close" "JNJ.Close"   
## [43] "C.Close" "EPD.Close"   
## [45] "VZ.Close" "HRB.Close"   
## [47] "NFLX.Close" "AAP.Close"   
## [49] "HOFT.Close" "SIG.Close"   
## [51] "RRGB.Close" "M.Close"   
## [53] "JBLU.Close" "TGT.Volume"   
## [55] "FTR.Volume" "UBSI.Volume"   
## [57] "HD.Volume" "JPM.Volume"   
## [59] "XOM.Volume" "CVX.Volume"   
## [61] "NSANY.Volume" "MGM.Volume"   
## [63] "TEVA.Volume" "HST.Volume"   
## [65] "WFC.Volume" "WWE.Volume"   
## [67] "INO.Volume" "SCE.PB.Volume"   
## [69] "FFIN.Volume" "GOOG.Volume"   
## [71] "WM.Volume" "ONCY.Volume"   
## [73] "S.Volume" "F.Volume"   
## [75] "ARWR.Volume" "COST.Volume"   
## [77] "AAL.Volume" "JWN.Volume"   
## [79] "NUS.Volume" "ADDYY.Volume"   
## [81] "KSS.Volume" "MSFT.Volume"   
## [83] "LUV.Volume" "HMC.Volume"   
## [85] "PCG.Volume" "DLTR.Volume"   
## [87] "KGJI.Volume" "NKE.Volume"   
## [89] "AMZN.Volume" "ROST.Volume"   
## [91] "WMT.Volume" "TJX.Volume"   
## [93] "TM.Volume" "T.Volume"   
## [95] "JNJ.Volume" "C.Volume"   
## [97] "EPD.Volume" "VZ.Volume"   
## [99] "HRB.Volume" "NFLX.Volume"   
## [101] "AAP.Volume" "HOFT.Volume"   
## [103] "SIG.Volume" "RRGB.Volume"   
## [105] "M.Volume" "JBLU.Volume"   
## [107] "MonthYear" "DailyValue"   
## [109] "prevDay" "dailyValueChange"   
## [111] "ROI\_dollars" "Date"   
## [113] "DayOfWeek" "Month"   
## [115] "Year" "UE\_monthlyRate"   
## [117] "DailyVolume" "prevDayVolume"   
## [119] "dailyVolumeChange" "VolumeRatioDaily2Initial"

Add a value of stock daily to the initial value as a ratio.

Stocks$ValueRatioDaily2Initial <- Stocks$DailyValue/Stocks$DailyValue[1]

Add a field that multiplies the daily value and daily volume ratios compared to the initial value and volume by the unemployment rate.

Stocks$DailyRatios\_X\_UE <- Stocks$ValueRatioDaily2Initial\*Stocks$VolumeRatioDaily2Initial\*Stocks$UE\_monthlyRate

Add an exponential calculation field based on the unemployment rate for rate, and using numeric day of the month for t, and k as the month.

dayOfMonth <- day(Stocks$Date)  
ue1 <- Stocks$UE\_monthlyRate  
  
Stocks$poisson <- (exp(-(ue1))\*(ue1)^dayOfMonth)/(factorial(dayOfMonth))

write.csv(Stocks, 'StocksStats.csv', row.names=TRUE)

Make a daily ROI dollars column for each of the stocks in this set.

stocks1 <- Stocks[,1:53]  
colnames(stocks1)

## [1] "TGT.Close" "FTR.Close" "UBSI.Close" "HD.Close" "JPM.Close"   
## [6] "XOM.Close" "CVX.Close" "NSANY.Close" "MGM.Close" "TEVA.Close"   
## [11] "HST.Close" "WFC.Close" "WWE.Close" "INO.Close" "SCE.PB.Close"  
## [16] "FFIN.Close" "GOOG.Close" "WM.Close" "ONCY.Close" "S.Close"   
## [21] "F.Close" "ARWR.Close" "COST.Close" "AAL.Close" "JWN.Close"   
## [26] "NUS.Close" "ADDYY.Close" "KSS.Close" "MSFT.Close" "LUV.Close"   
## [31] "HMC.Close" "PCG.Close" "DLTR.Close" "KGJI.Close" "NKE.Close"   
## [36] "AMZN.Close" "ROST.Close" "WMT.Close" "TJX.Close" "TM.Close"   
## [41] "T.Close" "JNJ.Close" "C.Close" "EPD.Close" "VZ.Close"   
## [46] "HRB.Close" "NFLX.Close" "AAP.Close" "HOFT.Close" "SIG.Close"   
## [51] "RRGB.Close" "M.Close" "JBLU.Close"

stocks1$TGT\_ROI\_dollars <- stocks1$TGT.Close-stocks1$TGT.Close[1]  
stocks1$FTR\_ROI\_dollars <- stocks1$FTR.Close-stocks1$FTR.Close[1]  
stocks1$UBSI\_ROI\_dollars <- stocks1$UBSI.Close-stocks1$UBSI.Close[1]  
stocks1$HD\_ROI\_dollars <- stocks1$HD.Close-stocks1$HD.Close[1]  
stocks1$JPM\_ROI\_dollars <- stocks1$JPM.Close-stocks1$JPM.Close[1]  
  
stocks1$XOM\_ROI\_dollars <- stocks1$XOM.Close-stocks1$XOM.Close[1]  
stocks1$CVX\_ROI\_dollars <- stocks1$CVX.Close-stocks1$CVX.Close[1]  
stocks1$NSANY\_ROI\_dollars <- stocks1$NSANY.Close-stocks1$NSANY.Close[1]  
stocks1$MGM\_ROI\_dollars <- stocks1$MGM.Close-stocks1$MGM.Close[1]  
stocks1$TEVA\_ROI\_dollars <- stocks1$TEVA.Close-stocks1$TEVA.Close[1]  
  
stocks1$HST\_ROI\_dollars <- stocks1$HST.Close-stocks1$HST.Close[1]  
stocks1$WFC\_ROI\_dollars <- stocks1$WFC.Close-stocks1$WFC.Close[1]  
stocks1$WWE\_ROI\_dollars <- stocks1$WWE.Close-stocks1$WWE.Close[1]  
stocks1$INO\_ROI\_dollars <- stocks1$INO.Close-stocks1$INO.Close[1]  
stocks1$SCE.PB\_ROI\_dollars <- stocks1$SCE.PB.Close-stocks1$SCE.PB.Close[1]  
  
stocks1$FFIN\_ROI\_dollars <- stocks1$FFIN.Close-stocks1$FFIN.Close[1]  
stocks1$GOOG\_ROI\_dollars <- stocks1$GOOG.Close-stocks1$GOOG.Close[1]  
stocks1$WM\_ROI\_dollars <- stocks1$WM.Close-stocks1$WM.Close[1]  
stocks1$ONCY\_ROI\_dollars <- stocks1$ONCY.Close-stocks1$ONCY.Close[1]  
stocks1$S\_ROI\_dollars <- stocks1$S.Close-stocks1$S.Close[1]  
  
stocks1$F\_ROI\_dollars <- stocks1$F.Close-stocks1$F.Close[1]  
stocks1$ARWR\_ROI\_dollars <- stocks1$ARWR.Close-stocks1$ARWR.Close[1]  
stocks1$COST\_ROI\_dollars <- stocks1$COST.Close-stocks1$COST.Close[1]  
stocks1$AAL\_ROI\_dollars <- stocks1$AAL.Close-stocks1$AAL.Close[1]  
stocks1$JWN\_ROI\_dollars <- stocks1$JWN.Close-stocks1$JWN.Close[1]  
  
stocks1$NUS\_ROI\_dollars <- stocks1$NUS.Close-stocks1$NUS.Close[1]  
stocks1$HMC\_ROI\_dollars <- stocks1$HMC.Close-stocks1$HMC.Close[1]  
stocks1$AMZN\_ROI\_dollars <- stocks1$AMZN.Close-stocks1$AMZN.Close[1]  
stocks1$T\_ROI\_dollars <- stocks1$T.Close-stocks1$T.Close[1]  
stocks1$HRB\_ROI\_dollars <- stocks1$HRB.Close-stocks1$HRB.Close[1]  
stocks1$RRGB\_ROI\_dollars <- stocks1$RRGB.Close-stocks1$RRGB.Close[1]  
  
stocks1$ADDYY\_ROI\_dollars <- stocks1$ADDYY.Close-stocks1$ADDYY.Close[1]  
stocks1$PCG\_ROI\_dollars <- stocks1$PCG.Close-stocks1$PCG.Close[1]  
stocks1$ROST\_ROI\_dollars <- stocks1$ROST.Close-stocks1$ROST.Close[1]  
stocks1$JNJ\_ROI\_dollars <- stocks1$JNJ.Close-stocks1$JNJ.Close[1]  
stocks1$NFLX\_ROI\_dollars <- stocks1$NFLX.Close-stocks1$NFLX.Close[1]  
stocks1$M\_ROI\_dollars <- stocks1$M.Close-stocks1$M.Close[1]  
  
stocks1$KSS\_ROI\_dollars <- stocks1$KSS.Close-stocks1$KSS.Close[1]  
stocks1$DLTR\_ROI\_dollars <- stocks1$DLTR.Close-stocks1$DLTR.Close[1]  
stocks1$WMT\_ROI\_dollars <- stocks1$WMT.Close-stocks1$WMT.Close[1]  
stocks1$C\_ROI\_dollars <- stocks1$C.Close-stocks1$C.Close[1]  
stocks1$AAP\_ROI\_dollars <- stocks1$AAP.Close-stocks1$AAP.Close[1]  
stocks1$JBLU\_ROI\_dollars <- stocks1$JBLU.Close-stocks1$JBLU.Close[1]  
  
stocks1$MSFT\_ROI\_dollars <- stocks1$MSFT.Close-stocks1$MSFT.Close[1]  
stocks1$KGJI\_ROI\_dollars <- stocks1$KGJI.Close-stocks1$KGJI.Close[1]  
stocks1$EPD\_ROI\_dollars <- stocks1$EPD.Close-stocks1$EPD.Close[1]  
stocks1$TJX\_ROI\_dollars <- stocks1$TJX.Close-stocks1$TJX.Close[1]  
stocks1$HOFT\_ROI\_dollars <- stocks1$HOFT.Close-stocks1$HOFT.Close[1]  
  
stocks1$LUV\_ROI\_dollars <- stocks1$LUV.Close-stocks1$LUV.Close[1]  
stocks1$NKE\_ROI\_dollars <- stocks1$NKE.Close-stocks1$NKE.Close[1]  
stocks1$TM\_ROI\_dollars <- stocks1$TM.Close-stocks1$TM.Close[1]  
stocks1$VZ\_ROI\_dollars <- stocks1$VZ.Close-stocks1$VZ.Close[1]  
stocks1$SIG\_ROI\_dollars <- stocks1$SIG.Close-stocks1$SIG.Close[1]

These are the values of the stock the previous day that will be subtracted from each day to get the daily change from the day before in dollars.

TGTa <- c(0,stocks1$TGT.Close[1:3302])  
FTRa <- c(0, stocks1$FTR.Close[1:3302])  
UBSIa <- c(0,stocks1$UBSI.Close[1:3302])  
HDa <- c(0,stocks1$HD.Close[1:3302])  
JPMa <- c(0,stocks1$JPM.Close[1:3302])  
XOMa <- c(0,stocks1$XOM.Close[1:3302])  
CVXa <- c(0,stocks1$CVX.Close[1:3302])  
NSANYa <- c(0,stocks1$NSANY.Close[1:3302])  
MGMa <- c(0,stocks1$MGM.Close[1:3302])  
TEVAa <- c(0, stocks1$TEVA.Close[1:3302])  
HSTa <- c(0, stocks1$HST.Close[1:3302])  
WFCa <- c(0, stocks1$WFC.Close[1:3302])  
WWEa <- c(0, stocks1$WWE.Close[1:3302])  
INOa <- c(0,stocks1$INO.Close[1:3302])  
SCEa <- c(0,stocks1$SCE.PB.Close[1:3302])  
FFINa <- c(0,stocks1$FFIN.Close[1:3302])  
GOOGa <- c(0,stocks1$GOOG.Close[1:3302])  
WMa <- c(0,stocks1$WM.Close[1:3302])  
ONCYa <- c(0,stocks1$ONCY.Close[1:3302])  
Sa <- c(0,stocks1$S.Close[1:3302])  
Fa <- c(0,stocks1$F.Close[1:3302])  
ARWRa <- c(0,stocks1$ARWR.Close[1:3302])  
COSTa <- c(0,stocks1$COST.Close[1:3302])  
AALa <- c(0,stocks1$AAL.Close[1:3302])  
JWNa <- c(0,stocks1$JWN.Close[1:3302])  
NUSa <- c(0,stocks1$NUS.Close[1:3302])  
ADDYYa <- c(0,stocks1$ADDYY.Close[1:3302])  
KSSa <- c(0,stocks1$KSS.Close[1:3302])  
MSFTa <- c(0,stocks1$MSFT.Close[1:3302])  
LUVa <- c(0,stocks1$LUV.Close[1:3302])  
HMCa <- c(0,stocks1$HMC.Close[1:3302])  
PCGa <- c(0,stocks1$PCG.Close[1:3302])  
DLTRa <- c(0,stocks1$DLTR.Close[1:3302])  
KGJIa <- c(0,stocks1$KGJI.Close[1:3302])  
NKEa <- c(0,stocks1$NKE.Close[1:3302])  
AMZNa <- c(0,stocks1$AMZN.Close[1:3302])  
ROSTa <- c(0,stocks1$ROST.Close[1:3302])  
WMTa <- c(0,stocks1$WMT.Close[1:3302])  
TJXa <- c(0,stocks1$TJX.Close[1:3302])  
TMa <- c(0,stocks1$TM.Close[1:3302])  
Ta <- c(0,stocks1$T.Close[1:3302])  
JNJa <- c(0,stocks1$JNJ.Close[1:3302])  
Ca <- c(0,stocks1$C.Close[1:3302])  
EPDa <- c(0,stocks1$EPD.Close[1:3302])  
VZa <- c(0,stocks1$VZ.Close[1:3302])  
HRBa <- c(0,stocks1$HRB.Close[1:3302])  
NFLXa <- c(0,stocks1$NFLX.Close[1:3302])  
AAPa <- c(0,stocks1$AAP.Close[1:3302])  
HOFTa <- c(0,stocks1$HOFT.Close[1:3302])  
SIGa <- c(0,stocks1$SIG.Close[1:3302])  
RRGBa <- c(0,stocks1$RRGB.Close[1:3302])  
Ma <- c(0,stocks1$M.Close[1:3302])  
JBLUa <- c(0,stocks1$JBLU.Close[1:3302])

This creates the DailyChange per stock columns.

stocks1$TGT\_dailyChange <- stocks1$TGT.Close-TGTa  
stocks1$FTR\_dailyChange <- stocks1$FTR.Close-FTRa  
stocks1$UBSI\_dailyChange <- stocks1$UBSI.Close-UBSIa  
stocks1$HD\_dailyChange <- stocks1$HD.Close-HDa  
stocks1$JPM\_dailyChange <- stocks1$JPM.Close-JPMa  
  
stocks1$XOM\_dailyChange <- stocks1$XOM.Close-XOMa  
stocks1$CVX\_dailyChange <- stocks1$CVX.Close-CVXa  
stocks1$NSANY\_dailyChange <- stocks1$NSANY.Close-NSANYa  
stocks1$MGM\_dailyChange <- stocks1$MGM.Close-MGMa  
stocks1$TEVA\_dailyChange <- stocks1$TEVA.Close-TEVAa  
  
stocks1$HST\_dailyChange <- stocks1$HST.Close-HSTa  
stocks1$WFC\_dailyChange <- stocks1$WFC.Close-WFCa  
stocks1$WWE\_dailyChange <- stocks1$WWE.Close-WWEa  
stocks1$INO\_dailyChange <- stocks1$INO.Close-INOa  
stocks1$SCE.PB\_dailyChange <- stocks1$SCE.PB.Close-SCEa  
  
stocks1$FFIN\_dailyChange <- stocks1$FFIN.Close-FFINa  
stocks1$GOOG\_dailyChange <- stocks1$GOOG.Close-GOOGa  
stocks1$WM\_dailyChange <- stocks1$WM.Close-WMa  
stocks1$ONCY\_dailyChange <- stocks1$ONCY.Close-ONCYa  
stocks1$S\_dailyChange <- stocks1$S.Close-Sa  
  
stocks1$F\_dailyChange <- stocks1$F.Close-Fa  
stocks1$ARWR\_dailyChange <- stocks1$ARWR.Close-ARWRa  
stocks1$COST\_dailyChange <- stocks1$COST.Close-COSTa  
stocks1$AAL\_dailyChange <- stocks1$AAL.Close-AALa  
stocks1$JWN\_dailyChange <- stocks1$JWN.Close-JWNa  
  
stocks1$NUS\_dailyChange <- stocks1$NUS.Close-NUSa  
stocks1$HMC\_dailyChange <- stocks1$HMC.Close-HMCa  
stocks1$AMZN\_dailyChange <- stocks1$AMZN.Close-AMZNa  
stocks1$T\_dailyChange <- stocks1$T.Close-Ta  
stocks1$HRB\_dailyChange <- stocks1$HRB.Close-HRBa  
stocks1$RRGB\_dailyChange <- stocks1$RRGB.Close-RRGBa  
  
stocks1$ADDYY\_dailyChange <- stocks1$ADDYY.Close-ADDYYa  
stocks1$PCG\_dailyChange <- stocks1$PCG.Close-PCGa  
stocks1$ROST\_dailyChange <- stocks1$ROST.Close-ROSTa  
stocks1$JNJ\_dailyChange <- stocks1$JNJ.Close-JNJa  
stocks1$NFLX\_dailyChange <- stocks1$NFLX.Close-NFLXa  
stocks1$M\_dailyChange <- stocks1$M.Close-Ma  
  
stocks1$KSS\_dailyChange <- stocks1$KSS.Close-KSSa  
stocks1$DLTR\_dailyChange <- stocks1$DLTR.Close-DLTRa  
stocks1$WMT\_dailyChange <- stocks1$WMT.Close-WMTa  
stocks1$C\_dailyChange <- stocks1$C.Close-Ca  
stocks1$AAP\_dailyChange <- stocks1$AAP.Close-AAPa  
stocks1$JBLU\_dailyChange <- stocks1$JBLU.Close-JBLUa  
  
stocks1$MSFT\_dailyChange <- stocks1$MSFT.Close-MSFTa  
stocks1$KGJI\_dailyChange <- stocks1$KGJI.Close-KGJIa  
stocks1$EPD\_dailyChange <- stocks1$EPD.Close-EPDa  
stocks1$TJX\_dailyChange <- stocks1$TJX.Close-TJXa  
stocks1$HOFT\_dailyChange <- stocks1$HOFT.Close-HOFTa  
  
stocks1$LUV\_dailyChange <- stocks1$LUV.Close-LUVa  
stocks1$NKE\_dailyChange <- stocks1$NKE.Close-NKEa  
stocks1$TM\_dailyChange <- stocks1$TM.Close-TMa  
stocks1$VZ\_dailyChange <- stocks1$VZ.Close-VZa  
stocks1$SIG\_dailyChange <- stocks1$SIG.Close-SIGa

Combine the stocks1 stats of ROI and daily change in dollars per stock to the stocks stats data table.

stocks2 <- stocks1[,-c(1:53)]  
StocksSTATS <- cbind(Stocks,stocks2)

write.csv(StocksSTATS, 'STOCKS\_STATS.csv', row.names=TRUE)