



FINANCIAL STOCK SORTER

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ABOUT THE PROJECT

What my code intends to do is screen a financial website that has stock data such as Yahoo Finance or FinViz. Then take that data to make a meaningful indication of where that stock is going.

PROBLEMS

COMPANY SELECTION

Currently the Code requires you to manually input company tkrs, that you would like to see. Which is not ideal when trying find new companies to research

LACK OF METRICS

Currently the code can only calculate a few metrics like opening and closing cost of a particular company which is very limited and cannot be used in seeing if a company is a buy or sell

```
6  ### using yahoo finance to get the data for the stocks
7  fy.pdr_override()
8  ### The user chooses a stock
9  stock=input("Enter the ticker of the company you would like to screen:")
10
11  ### selected start date of analysis
12  startyear=2021
13  startmonth=1
14  startday=1
15
16  ### established time date object
17  start=dt.datetime(startyear,startmonth,startday)
18
19  now=dt.datetime.now()
20
21  df=pdr.get_data_yahoo(stock,start,now)
22  print(df)
23
24  ### taking a moving average
25  ma=30
26  ### leaving the string open if i deside to change how long the average is
27  smaString="Sma_"+str(ma)
28
29  df[smaString]=df.iloc[:,4].rolling(window=ma).mean()
30
31  df=df.iloc[ma:]
32  ### creating a loop to see if stock moving average is higher than current
33  for i in df.index:
34      if(df["adjusted close"][i]>df[smaString][i]):
35          print("The close is higher")
36      else:
37          print("the close is lower")
```

POSSIBLE SOLUTIONS

Reworking the code

I intend to revisit how I started the code, I worked myself into a hole by not being able to select many companies at the same time which is what I think would make this program really solid

Search More Repositories

Within Github there are many repositories with similar ideas, I intend to do more research on how to integrate many companies within the search at the same time.



THANK YOU

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<https://github.com/ksu-is/Stock-Sorter->