

Vaibhav Bhatt
21711079
84
HTML

Vaibhav

①

Question 1 →

Program →

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title> PHP Registration Form </title>
```

```
<style>
```

```
input [type = radio]
```

```
input [type = checkbox]
```

```
* { padding: 0;
```

```
margin: 0;
```

```
box-sizing: border-box;
```

```
}
```

```
body {
```

```
margin: 50px auto;
```

```
text-align: center;
```

```
width: 800px;
```

```
}
```

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input [type = reset]:: before.

{

background: rgb(236, 101, 101);

content: "";

position: absolute;

z-index: -1;

}

form {

margin: 20px auto;

padding: 20px;

border: 5px solid #ccc;

background: #366ebbfa;

}

h1 {

font-family: sans-serif;

display: block;

font-size: bold;

text-align: center;

letter-spacing: 3px;

color: hot pink;

text-transform: uppercase; }

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input [type=submit]: hover {

Colour: #1A33FF;

}

</style>

</head>

<body>

<h1> PHP Registration form Example </h1>

<form method='post' enctype="multipart/form-data" action
=?#?>

<table>

<tr>

<td colspan="2"><Date></td>

</td>

<tr>

<td width="159">Enter Name </td>

<td width="218">

<input type="text" placeholder="Enter name" name="n"
pattern="[a-zA-Z]*" required /></td>

</tr>

<tr>

<td>Enter Customer No</td>

<td><input type="text" name="c-no"> Enter Number </td>

</td>

</tr>

<tr>

<td>Enter your mobile Number</td>

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HTML

Website

(4)

```
<td><input type="text" pattern="[0-9]*" name="m" /  
placeholder="Enter name"></td>  
</tr>
```

```
<?php>
```

```
for($i=1; $i<=12; $i++)  
{
```

```
echo "<option value = '$i'>". $i. "</option>";
```

```
}
```

```
?>
```

```
</select>
```

```
<select name="dd">
```

```
<option value=" "> Date </option>
```

```
<?php>
```

```
for($i=1; $i<=31; $i++)
```

```
{  
echo "<option value = '$i'>". $i. "</option>";
```

```
}
```

```
& ?>
```

```
</select>
```

```
<select name="yy">
```

```
<option value=" "> Year </option>
```

```
<?php>
```

```
for($i=1900; $i<=2015; $i++)
```


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⑤

```
{  
echo "<option value = ' $i '>". $i. "</option>";  
}  
?>
```

</select>

</td>

</tr>

<tr>

<td colspan = "2" align = "center">

<input type = "submit" name = "Save" value = "Register" />

<input type = "reset" value = "Reset" />

</td>

</tr>

</table>

</form>

</body>

</html>

<?php

extract(\$_POST);

if(isset(\$_\$save))

{

\$dob = \$yy. "-" . \$mm. "-" . \$dd;

\$h = implode(" ", \$hobb);

\$img = \$_FILES['pic']['name'];

}
?>

".\$.i.'"; } ?> Date ▾ Year ▾

Enter Name

Enter name

**Enter Coustomer
No**

Enter Number

**Enter your Mobile
Number**

Enter number

REGISTER

RESET

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MCA Section B

R programming

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Question 3

Program - 3 →

library(quantmod)

library(dplyr)

getSymbols('TM', src = 'yahoo')

head(TM)

tail(TM)

class(TM)

TM <- data.frame(TM)

TM

Summary(TM)

dim(TM)

names(TM)

str(TM)

typeof(TM)

plot.ts(TM\$TM.volume)

plot.ts(TM\$TM.close)

linechart(TM; line.type = 'h', theme = 'white', TA = NULL)

barchart(TM, bar.type = 'hlc')

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MCA Section B

R programming

```
basket_symbols <- c('TM', 'TTM', 'TSLA')
```

```
get_symbols(basket_symbols, src = 'yahoo')
```

```
head(TTM)
```

```
tail(TTM)
```

```
head(TSLA)
```

```
tail(TSLA)
```

```
head(TM)
```

```
tail(TM)
```

```
bucket_symbols <- table(basket_symbols)
```

```
pie(bucket_symbols, col = c('blue', 'brown', 'red'))
```

```
barplot(bucket_symbols, col = c('purple', 'red', 'blue'))
```


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Q4 →

Answer.

Descriptive Statistics

Tata motors is an automobile maker. The company produces, passenger cars, including popular models such as.

① Jaguar.

② Land Rover.

③ Safari

④ Sumo

⑤ commercial vehicle.

- Tata motors sells in India and exports vehicles to countries in Africa, Asia, Europe, the middle East, and South America.
- Tata motors rolled out its first commercial truck in 1945.

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R programming.

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Annual Report.

- ① Operating income during the year fell 4.3% on a year-on-year (YoY) basis.
- ② other income grew by 24.2% YoY.
- ③ Net profit for the year grew by 18.6% YoY.
- ④ Net profit margins during the ~~YoY~~ year declined, from 4.2% in FY20 to 5.1% in FY21.


```
Source
Console Terminal Jobs
R 4.1.1 ~ /
> library(quantmod)
> library(dplyr)
> getSymbols('TM',src='yahoo')
[1] "TM"
> head(TM)
  TM.Open TM.High TM.Low TM.Close TM.Volume TM.Adjusted
2007-01-03 135.25 136.54 134.45 135.30 758600 107.8092
2007-01-04 136.65 137.97 135.64 137.77 842700 109.7773
2007-01-05 133.30 133.87 132.55 133.72 1068400 106.5502
2007-01-08 134.60 134.74 133.80 133.97 511600 106.7495
2007-01-09 132.17 132.94 131.24 132.16 645700 105.3072
2007-01-10 129.00 129.86 128.21 129.43 726200 103.1318
> tail(TM)
  TM.Open TM.High TM.Low TM.Close TM.Volume TM.Adjusted
2021-12-20 181.56 182.19 180.11 181.95 251500 181.95
2021-12-21 182.80 183.73 182.09 182.82 180100 182.82
2021-12-22 180.06 181.55 180.06 181.36 165900 181.36
2021-12-23 183.08 184.31 182.91 183.78 167800 183.78
2021-12-27 184.01 186.28 184.01 185.90 196900 185.90
2021-12-28 185.91 186.37 184.64 184.75 113600 184.75
> class(TM)
[1] "xts" "zoo"
> TM<-data.frame(TM)
> TM
  TM.Open TM.High TM.Low TM.Close TM.Volume TM.Adjusted
2007-01-03 135.25 136.54 134.45 135.30 758600 107.8092
2007-01-04 136.65 137.97 135.64 137.77 842700 109.7773
2007-01-05 133.30 133.87 132.55 133.72 1068400 106.5502
2007-01-08 134.60 134.74 133.80 133.97 511600 106.7495
2007-01-09 132.17 132.94 131.24 132.16 645700 105.3072
2007-01-10 129.00 129.86 128.21 129.43 726200 103.1318
2007-01-11 128.00 130.43 127.81 128.78 803900 102.6139
2007-01-12 129.87 130.89 129.79 130.89 498500 104.2952
2007-01-16 131.49 132.49 130.75 131.21 641200 104.5502
2007-01-17 131.64 131.89 130.78 131.10 641100 104.4626
2007-01-18 132.20 132.95 131.43 132.08 554200 105.2434
2007-01-19 131.94 132.50 131.74 132.33 396500 105.4426
2007-01-22 132.27 132.27 130.42 131.21 524800 104.5502
2007-01-23 132.10 132.75 131.40 132.08 386000 105.2434
2007-01-24 134.48 135.60 133.98 135.55 653200 108.0084
2007-01-25 132.80 133.59 131.20 131.70 794100 104.9406
2007-01-26 132.00 132.20 130.81 131.54 716400 104.8131
2007-01-29 131.85 132.50 131.42 131.70 450300 104.9406
2007-01-30 132.30 132.95 132.15 132.71 425300 105.7454
2007-01-31 130.90 132.27 130.50 131.78 546600 105.0044
2007-02-01 133.00 133.57 132.55 133.28 376100 106.1996
2007-02-02 131.65 131.67 130.69 131.27 466700 104.5980
2007-02-05 130.00 130.89 130.00 130.46 447400 103.9526
2007-02-06 133.49 134.40 132.26 133.70 571500 106.5341
2007-02-07 133.10 133.30 132.17 132.94 383900 105.9287
2007-02-08 132.41 132.41 131.49 132.10 444500 105.2594
2007-02-09 133.48 133.69 131.72 132.06 601600 105.2275
2007-02-12 132.47 132.65 131.35 131.79 282200 105.0123
2007-02-13 134.05 134.87 134.05 134.86 485800 107.4586
2007-02-14 134.82 137.06 134.82 136.50 949000 108.7654
2007-02-15 137.08 137.11 136.13 136.77 419600 108.9805
2007-02-16 137.02 137.15 136.29 137.15 399900 109.2832
```

EnvironmentHistoryConnectionsTutorial

Import Dataset252 MiB

RGlobal Environment

Data

TM

An 'xts' object on 2007-01-03/2021-12-28 containing:

TSLA

An 'xts' object on 2010-06-29/2021-12-28 containing:

TTM

An 'xts' object on 2007-01-03/2021-12-28 containing:

values

basket_symbols

chr [1:3] "TM" "TTM" "TSLA"

bucket_symbols

'table' int [1:3(1d)] 1 1 1

FilesPlotsPackagesHelpViewer

New FolderDeleteRenameMore

Home

	Name	Size	Modified
<input type="checkbox"/>	.Rhistory	188 B	Dec 28, 2021, 8:27 AM
<input type="checkbox"/>	desktop.ini	402 B	Sep 27, 2020, 7:16 AM
<input type="checkbox"/>	My Music		
<input type="checkbox"/>	My Pictures		
<input type="checkbox"/>	My Videos		
<input type="checkbox"/>	R		
<input type="checkbox"/>	Rainmeter		

Activate Windows
Go to Settings to activate Windows.

```
Source
Console Terminal Jobs
R 4.1.1 ~ /
> summary(TM)
      TM.Open      TM.High      TM.Low      TM.Close      TM.Volume      TM.Adjusted
Min.   : 57.39   Min.   : 58.38   Min.   : 55.41   Min.   : 57.68   Min.   : 48400   Min.   : 48.15
1st Qu.: 84.00   1st Qu.: 84.53   1st Qu.: 83.67   1st Qu.: 84.14   1st Qu.: 201225   1st Qu.: 72.66
Median :115.81   Median :116.39   Median :115.00   Median :115.81   Median : 340600   Median :107.82
Mean   :111.02   Mean   :111.63   Mean   :110.32   Mean   :111.00   Mean   : 471547   Mean   :103.78
3rd Qu.:127.74   3rd Qu.:128.30   3rd Qu.:127.00   3rd Qu.:127.75   3rd Qu.: 568250   3rd Qu.:123.72
Max.   :187.87   Max.   :188.95   Max.   :187.14   Max.   :187.44   Max.   :18582700   Max.   :187.44

> dim(TM)
[1] 3774 6
> names(TM)
[1] "TM.Open" "TM.High" "TM.Low" "TM.Close" "TM.Volume" "TM.Adjusted"
> str(TM)
'data.frame': 3774 obs. of 6 variables:
 $ TM.Open : num 135 137 133 135 132 ...
 $ TM.High : num 137 138 134 135 133 ...
 $ TM.Low : num 134 136 133 134 131 ...
 $ TM.Close : num 135 138 134 134 132 ...
 $ TM.Volume : num 758600 842700 1068400 511600 645700 ...
 $ TM.Adjusted: num 108 110 107 107 105 ...

> typeof(TM)
[1] "list"
> plot.ts(TM$TM.Volume)
> plot.ts(TM$TM.Close)
> lineChart(TM, line.type='h', theme='white', TA=NULL)
> barChart(TM, bar.type='hlc')
> basket_symbols<-c('TM', 'TTM', 'TSLA')
> getSymbols(basket_symbols, src='yahoo')
[1] "TM" "TTM" "TSLA"
> head(TTM)
      TTM.Open TTM.High TTM.Low TTM.Close TTM.Volume TTM.Adjusted
2007-01-03    20.95    21.69    20.93    21.69    2038200    19.12709
2007-01-04    21.60    21.62    21.30    21.60    745300    19.04772
2007-01-05    20.92    21.10    20.77    20.86    663300    18.39516
2007-01-08    20.99    20.99    20.62    20.86    241900    18.39516
2007-01-09    20.83    20.84    20.45    20.53    462900    18.10415
2007-01-10    20.50    20.50    20.13    20.31    451600    17.91014
> tail(TTM)
      TTM.Open TTM.High TTM.Low TTM.Close TTM.Volume TTM.Adjusted
2021-12-20    29.24    29.57    28.87    29.47    1214400    29.47
2021-12-21    29.88    30.43    29.88    30.38    686400    30.38
2021-12-22    30.93    31.52    30.89    31.50    404900    31.50
2021-12-23    31.16    31.42    31.10    31.21    480300    31.21
2021-12-27    31.19    31.79    31.16    31.78    678100    31.78
2021-12-28    32.08    32.08    31.60    31.72    2110400    31.72
> head(TSLA)
Error in head(TSLA) : object 'TSLA' not found
> tail(TSLA)
      TSLA.Open TSLA.High TSLA.Low TSLA.Close TSLA.Volume TSLA.Adjusted
2021-12-20    910.70    921.69    893.39    899.94    18826700    899.94
2021-12-21    916.87    939.50    886.12    938.53    23839300    938.53
2021-12-22    965.66    1015.66    957.05    1008.87    31211400    1008.87
2021-12-23    1006.80    1072.98    997.56    1067.00    30841900    1067.00
2021-12-27    1073.67    1117.00    1070.72    1093.94    23715300    1093.94
2021-12-28    1109.49    1119.00    1078.42    1088.47    20022400    1088.47
> head(TM)
      TM.Open TM.High TM.Low TM.Close TM.Volume TM.Adjusted
```

Environment History Connections Tutorial

Import Dataset 252 M/B

R Global Environment

Data

TM An 'xts' object on 2007-01-03/2021-12-28 containing:

TSLA An 'xts' object on 2010-06-29/2021-12-28 containing:

TTM An 'xts' object on 2007-01-03/2021-12-28 containing:

Values

basket_symbols chr [1:3] "TM" "TTM" "TSLA"

bucket_symbols 'table' int [1:3(1d)] 1 1 1

Files Plots Packages Help Viewer

New Folder Delete Rename More

Home

Name Size Modified

.Rhistory 188 B Dec 28, 2021, 8:27 AM

desktop.ini 402 B Sep 27, 2020, 7:16 AM

My Music

My Pictures

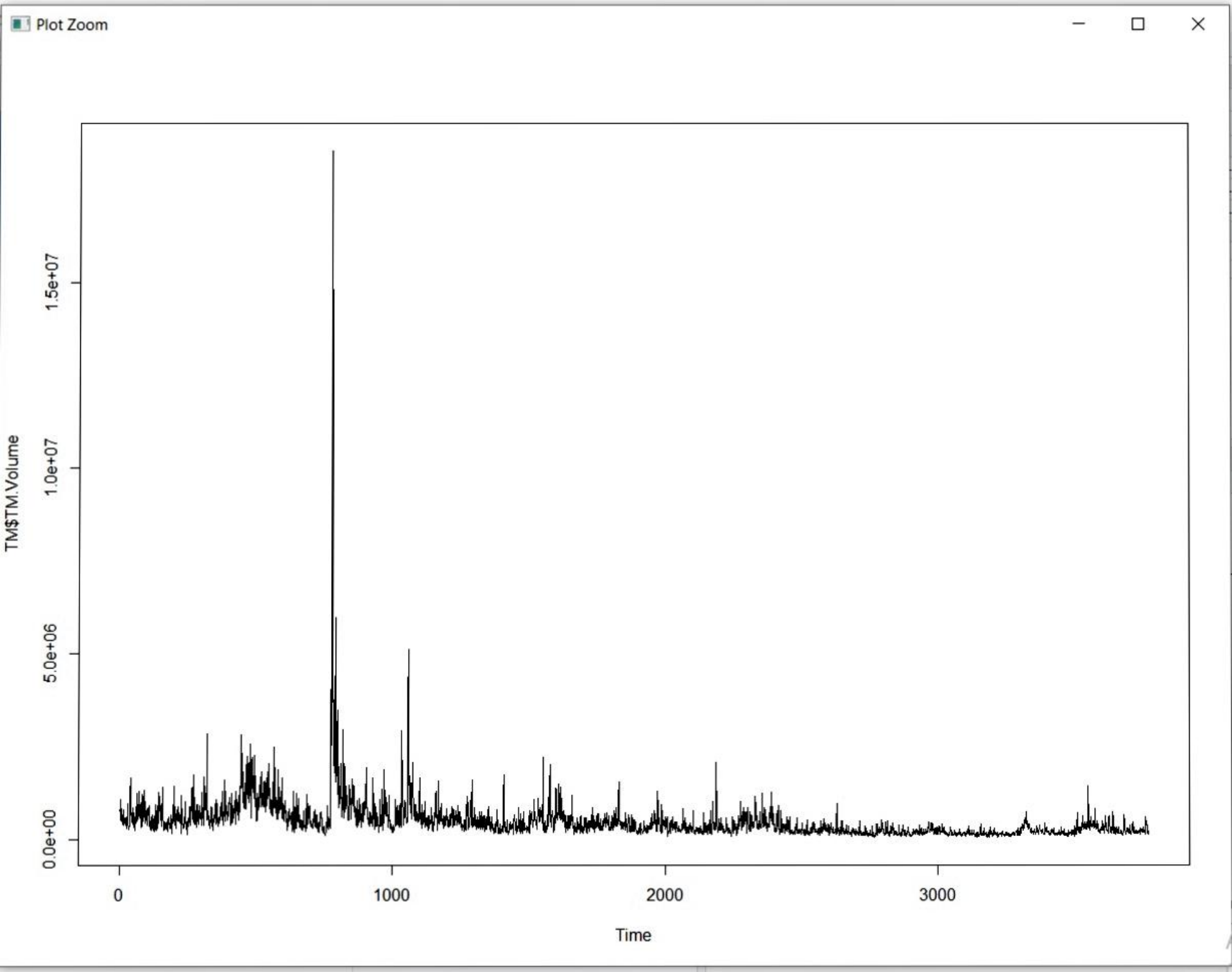
My Videos

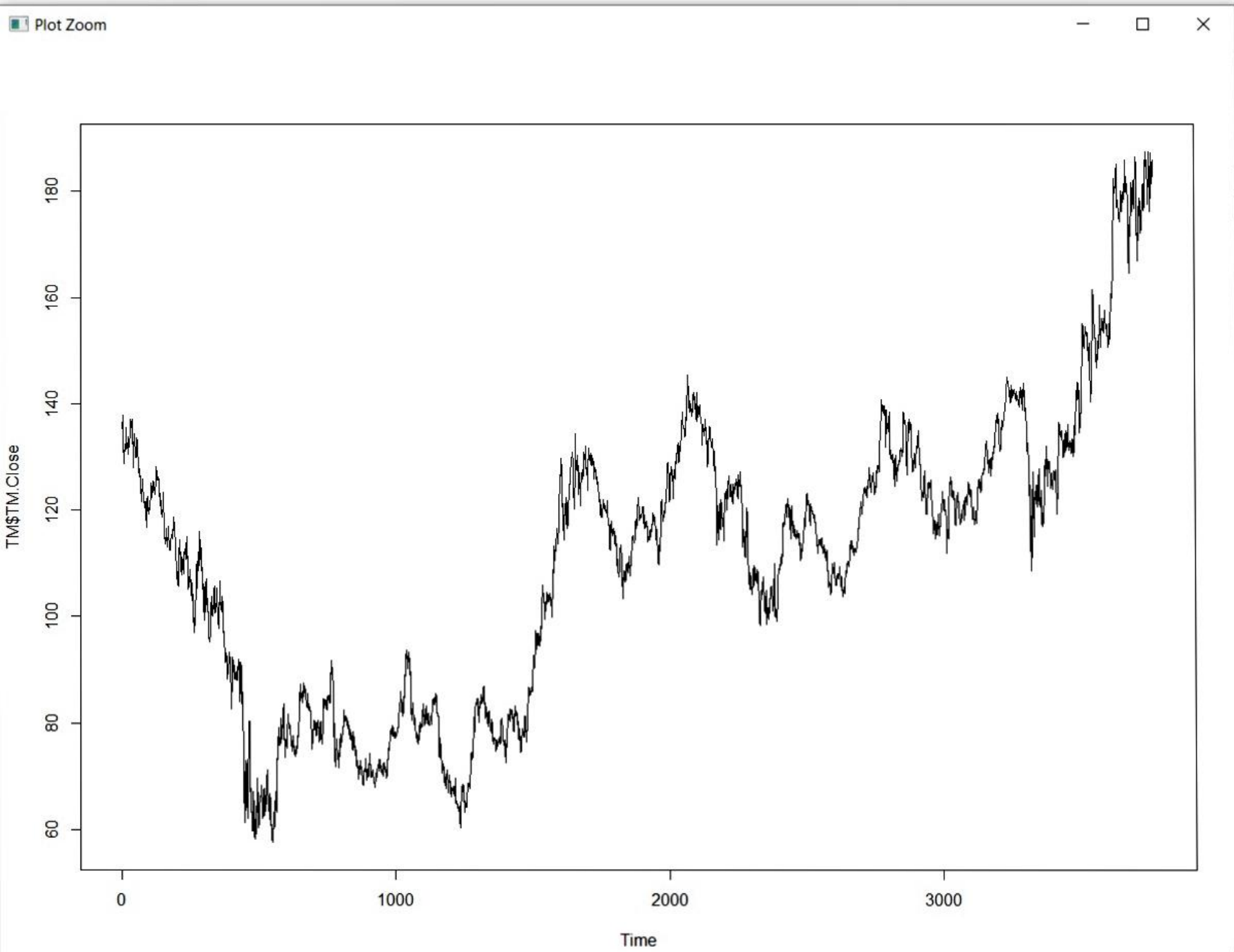
R

Rainmeter

Activate Windows

Go to Settings to activate Windows.






```

1 library(quantmod)
2 library(dplyr)
3 getSymbols('TM',src='yahoo')
4 head(TM)
5 tail(TM)
6 class(TM)
7 TM<-data.frame(TM)
8 TM
9 summary(TM)
10 dim(TM)
11 names(TM)
12 str(TM)
13 typeof(TM)
14 plot.ts(TM$TM.volume)
15 plot.ts(TM$TM.Close)
16 lineChart(TM,line.type='h',theme='white')
17 barChart(TM,bar.type='hlc')
18 basket_symbols<-c('TM','TTM','TSLA')
19 getSymbols(basket_symbols,src='yahoo')
20 head(TTM)
21 tail(TTM)
22 head(TSLA)
23 tail(TSLA)
24 head(TM)
25 tail(TM)
26 bucket_symbols<-table(basket_symbols)
27 pie(bucket_symbols,col=c('blue','brown'))
28 barplot(bucket_symbols,col=c('purple'))
29

```

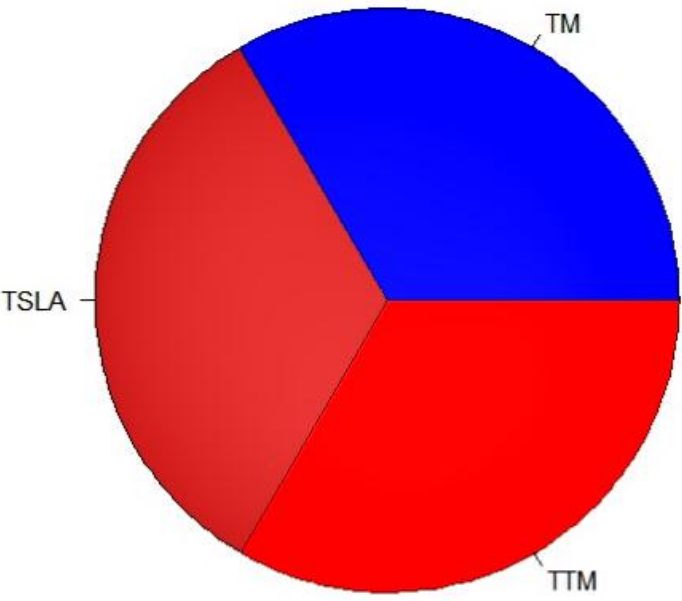


-12-28 containing:
-12-28 containing:
-12-28 containing:

[2007-01-03/2021-12-28]

Activate Windows
Go to Settings to activate Windows.

Jan 03 2007 Apr 01 2009 Jul 01 2011 Oct 01 2013 Jan 04 2016 Apr 02 2018 Jul 01 2020




```
1 library(quantmod)
2 library(dplyr)
3 getSymbols('TM',src='yahoo')
4 head(TM)
5 tail(TM)
6 class(TM)
7 TM<-data.frame(TM)
8 TM
9 summary(TM)
10 dim(TM)
11 names(TM)
12 str(TM)
13 typeof(TM)
14 plot.ts(TM$TM.Volume)
15 plot.ts(TM$TM.Close)
16 lineChart(TM,line.type='h',theme='whf')
17 barChart(TM,bar.type='hlc')
18 basket_symbols<-c('TM','TTM','TSLA')
19 getSymbols(basket_symbols,src='yahoo')
20 head(TTM)
21 tail(TTM)
22 head(TSLA)
23 tail(TSLA)
24 head(TM)
25 tail(TM)
26 bucket_symbols<-table(basket_symbols)
27 pie(bucket_symbols,col=c('blue','brown'))
28 barplot(bucket_symbols,col=c('purple'))
29
```

