

assignment 1

Rishitha Reddy Muddasani

2023-01-29

```
#importing the dataset.
tesla_d <- read.csv("/Users/nikhilreddya/Documents/RISHI/Tesla Stock Price (2010 to 2023).csv")
#view the dataset.
```

```
View(tesla_d)
```

```
#transforming data
stock_open<- (tesla_d$Open-mean(tesla_d$Open)/var(tesla_d$Open) )
stock_open
```

```
##      [1]      1.260195      1.712861      1.660195      1.526861      1.326861      1.086861
##      [7]      1.069528      1.165528      1.190195      1.152861      1.189528      1.322861
##     [13]      1.373528      1.418195      1.450195      1.370861      1.360195      1.406195
##     [19]      1.426861      1.387528      1.363528      1.378195      1.340195      1.360195
##     [25]      1.393528      1.456861      1.429528      1.333528      1.320195      1.303528
##     [31]      1.239528      1.180195      1.205528      1.223528      1.257528      1.299528
##     [37]      1.229528      1.236861      1.266195      1.276861      1.270861      1.319528
##     [43]      1.310195      1.306861      1.304195      1.301528      1.351528      1.384861
##     [49]      1.367528      1.370861      1.393528      1.376861      1.386195      1.362861
##     [55]      1.392195      1.470195      1.394861      1.371528      1.386195      1.384861
##     [61]      1.319528      1.323528      1.353528      1.396195      1.406195      1.460195
##     [67]      1.372861      1.355528      1.403528      1.397528      1.364861      1.355528
##     [73]      1.356195      1.340195      1.369528      1.393528      1.386195      1.361528
##     [79]      1.340195      1.337528      1.367528      1.372195      1.389528      1.380195
##     [85]      1.410195      1.419528      1.402861      1.456195      1.438861      1.412195
##     [91]      1.500195      1.651528      1.626861      1.660195      1.625528      1.900195
##     [97]      1.876861      2.008195      2.060195      2.006861      2.038195      2.004195
##    [103]      2.098195      2.212861      2.344861      2.366861      2.354195      2.242861
##    [109]      2.384861      2.260861      2.127528      2.083528      2.026195      2.158861
##    [115]      2.160861      2.130195      2.102861      2.012861      1.904861      1.993528
##    [121]      2.082861      2.102861      2.113528      2.143528      2.077528      1.861528
##    [127]      1.716861      1.795528      1.840195      1.764861      1.782861      1.770861
##    [133]      1.758861      1.782195      1.860195      1.871528      1.899528      1.794195
##    [139]      1.790861      1.736861      1.692195      1.678195      1.595528      1.534861
##    [145]      1.562195      1.636861      1.640861      1.642861      1.652195      1.596861
##    [151]      1.614195      1.604195      1.581528      1.556195      1.544195      1.578861
##    [157]      1.602195      1.544195      1.543528      1.569528      1.527528      1.533528
##    [163]      1.635528      1.548861      1.518861      1.472195      1.445528      1.514195
##    [169]      1.576195      1.596861      1.581528      1.625528      1.625528      1.655528
##    [175]      1.633528      1.637528      1.622861      1.583528      1.581528      1.473528
##    [181]      1.517528      1.542861      1.539528      1.530195      1.508861      1.467528
##    [187]      1.469528      1.488861      1.506861      1.546861      1.600861      1.763528
##    [193]      1.823528      1.782195      1.720195      1.792861      1.783528      1.832195
```

##	[199]	1.758195	1.665528	1.668861	1.651528	1.703528	1.668861
##	[205]	1.677528	1.706861	1.716861	1.773528	1.770861	1.788861
##	[211]	1.798195	1.839528	1.833528	1.818861	1.778861	1.806861
##	[217]	1.786861	1.793528	1.876195	1.873528	1.798195	1.860195
##	[223]	1.859528	1.793528	1.733528	1.795528	1.877528	1.834861
##	[229]	1.794861	1.786861	1.914861	1.962861	1.972861	1.993528
##	[235]	1.894861	1.990195	2.000195	1.922861	1.889528	1.822195
##	[241]	1.828195	1.864861	1.896195	1.889528	1.838195	1.784861
##	[247]	1.746195	1.742861	1.818195	1.806861	1.836195	1.842195
##	[253]	1.846195	1.893528	1.893528	1.931528	1.928195	1.936195
##	[259]	1.936195	1.986195	1.886861	1.884861	1.888861	1.895528
##	[265]	1.846195	1.816195	1.832195	1.860195	1.920861	1.906861
##	[271]	1.927528	1.880861	1.893528	1.833528	1.846861	1.904861
##	[277]	1.906195	1.826861	1.760861	1.659528	1.533528	1.603528
##	[283]	1.689528	1.596195	1.700195	1.768195	1.735528	1.752861
##	[289]	1.660195	1.584195	1.534195	1.455528	1.533528	1.584861
##	[295]	1.507528	1.608195	1.626861	1.646861	1.637528	1.570861
##	[301]	1.493528	1.552861	1.565528	1.551528	1.493528	1.527528
##	[307]	1.610195	1.632195	1.645528	1.656861	1.725528	1.723528
##	[313]	1.702861	1.692861	1.761528	1.726861	1.726861	1.708195
##	[319]	1.646861	1.656861	1.546195	1.595528	1.684861	1.792195
##	[325]	1.814195	1.827528	1.810195	1.835528	1.860195	1.850861
##	[331]	1.813528	1.861528	1.822861	1.820195	1.851528	1.875528
##	[337]	1.872861	1.882861	1.893528	1.960195	1.886195	1.926861
##	[343]	1.993528	2.090861	2.102861	2.084861	2.051528	2.056195
##	[349]	2.120195	2.193528	2.188195	2.225528	2.293528	2.236195
##	[355]	2.156195	2.110861	2.110861	2.096861	2.126861	2.159528
##	[361]	2.160195	2.164861	2.182195	2.228861	2.273528	2.302195
##	[367]	2.049528	2.029528	2.022861	2.031528	1.960195	1.904861
##	[373]	1.912861	1.866195	1.863528	1.854195	1.833528	1.860195
##	[379]	1.837528	1.926195	1.899528	1.892861	1.922861	1.874195
##	[385]	1.844195	1.806861	1.793528	1.822861	1.834861	1.892195
##	[391]	1.886861	1.768195	1.772861	1.806195	1.786861	1.780861
##	[397]	1.768861	1.811528	1.864861	1.893528	1.959528	1.986861
##	[403]	1.931528	1.974861	2.020861	2.066861	2.113528	2.100195
##	[409]	2.126861	2.144195	2.096861	2.109528	2.200195	2.226861
##	[415]	2.259528	2.318195	2.293528	2.259528	2.275528	2.220861
##	[421]	2.236195	2.247528	2.227528	2.286861	2.283528	2.210195
##	[427]	2.201528	2.200861	2.206861	2.306195	2.427528	2.393528
##	[433]	2.345528	2.320195	2.344195	2.325528	2.322861	2.324861
##	[439]	2.277528	2.366195	2.470861	2.512195	2.539528	2.494861
##	[445]	2.482195	2.440195	2.344861	2.333528	2.266861	2.203528
##	[451]	2.209528	2.244861	2.256195	2.220861	2.155528	2.132861
##	[457]	2.176861	2.202861	2.184195	2.114861	2.131528	2.190861
##	[463]	2.233528	2.211528	2.202195	2.226861	2.254195	2.148195
##	[469]	2.124195	2.160195	2.013528	2.191528	2.159528	2.121528
##	[475]	2.010861	1.965528	1.946861	1.884861	1.832195	2.000195
##	[481]	2.030861	2.076861	2.004195	1.994195	2.065528	1.998195
##	[487]	1.895528	1.862195	1.849528	1.873528	1.980861	1.917528
##	[493]	2.014195	1.942195	1.963528	2.005528	1.952861	1.989528
##	[499]	2.128195	2.226861	2.277528	2.166861	2.256195	2.130195
##	[505]	2.120195	2.120195	2.180195	2.083528	2.033528	2.047528
##	[511]	2.059528	2.056195	2.096195	2.098195	2.079528	2.191528
##	[517]	2.281528	2.326861	2.088195	2.174861	2.131528	2.063528

##	[523]	2.037528	1.988195	1.986861	1.907528	1.960861	1.829528
##	[529]	1.859528	1.782861	1.786861	1.830195	1.911528	1.986861
##	[535]	1.961528	1.947528	1.972861	2.043528	1.952861	1.962195
##	[541]	2.012861	2.003528	1.965528	1.927528	1.993528	1.997528
##	[547]	1.964861	1.886861	1.892861	1.900195	1.900861	1.894861
##	[553]	1.860861	1.860195	1.896861	1.940195	1.844195	1.853528
##	[559]	1.898195	1.993528	2.150195	2.118861	2.060195	2.055528
##	[565]	2.066861	1.960861	1.901528	1.837528	1.848195	1.908861
##	[571]	1.960195	1.945528	1.976861	1.993528	1.973528	1.917528
##	[577]	1.934861	1.886195	1.922861	1.881528	1.861528	1.838195
##	[583]	1.876861	1.926195	1.848861	1.859528	1.818861	1.894861
##	[589]	1.846861	1.828861	1.840195	1.876861	1.944861	1.980195
##	[595]	2.034195	2.060195	2.060861	2.033528	2.012861	2.079528
##	[601]	2.124195	2.080195	2.070195	2.131528	2.180195	2.167528
##	[607]	2.166861	2.133528	2.135528	2.126861	2.222861	2.235528
##	[613]	2.252861	2.265528	2.248195	2.248195	2.280195	2.288861
##	[619]	2.300195	2.340861	2.344195	2.245528	2.244861	2.277528
##	[625]	2.310195	2.294195	2.256195	2.236195	2.257528	2.226861
##	[631]	2.218861	2.193528	2.326861	2.338861	2.313528	2.313528
##	[637]	2.293528	2.260861	2.251528	2.262861	2.198861	2.200861
##	[643]	2.250195	2.270861	2.309528	2.297528	2.328195	2.393528
##	[649]	2.460195	2.450861	2.533528	2.516861	2.518195	2.538195
##	[655]	2.553528	2.526861	2.538861	2.606195	2.623528	2.525528
##	[661]	2.556861	2.546861	2.569528	2.560195	2.484195	2.613528
##	[667]	2.426195	2.374861	2.403528	2.290861	2.287528	2.386195
##	[673]	2.326861	2.311528	2.393528	2.460861	2.508861	2.530861
##	[679]	2.584861	2.586861	2.593528	2.586861	2.436195	2.346861
##	[685]	2.343528	2.344195	2.390195	2.406861	2.466861	2.525528
##	[691]	2.522861	2.542195	2.817528	2.900195	2.866861	2.734195
##	[697]	2.793528	2.791528	2.780195	2.706861	2.797528	2.876861
##	[703]	2.893528	2.939528	3.026861	3.058861	3.157528	3.233528
##	[709]	3.393528	3.386861	3.360195	3.535528	3.444195	3.726861
##	[715]	3.726195	3.583528	3.758195	3.752861	4.126861	3.826861
##	[721]	4.668195	4.636861	5.392861	6.274861	5.446861	6.306861
##	[727]	6.160195	6.068195	5.893528	5.751528	5.647528	6.166861
##	[733]	6.763528	7.563528	6.824195	7.077528	6.501528	6.176861
##	[739]	6.237528	6.343528	6.526861	6.588861	6.538861	6.446861
##	[745]	6.593528	6.660195	6.900195	6.776861	6.797528	6.970195
##	[751]	6.906861	6.426861	6.866861	6.913528	7.110195	7.231528
##	[757]	7.284195	7.876861	7.860195	7.881528	8.084861	8.302861
##	[763]	8.206195	8.318861	8.360195	8.862195	8.412195	7.094861
##	[769]	8.058195	7.893528	7.986195	8.260195	8.291528	8.020195
##	[775]	8.536195	8.614861	8.980195	8.831528	8.993528	8.966195
##	[781]	9.327528	9.643528	9.452861	10.283528	10.153528	9.955528
##	[787]	9.960195	9.508195	9.088861	9.435528	9.555528	9.903528
##	[793]	9.993528	9.941528	10.460195	11.003528	10.813528	11.264195
##	[799]	10.941528	11.084861	11.553528	11.311528	11.333528	11.231528
##	[805]	10.868195	10.756861	11.087528	10.926861	10.844861	11.193528
##	[811]	10.998861	11.131528	11.380195	11.920195	12.292195	11.936195
##	[817]	12.230861	12.440195	12.494861	12.593528	12.924195	12.566195
##	[823]	11.663528	11.753528	12.157528	12.286861	11.642195	11.532861
##	[829]	11.510195	11.660195	12.345528	12.320195	12.229528	12.270195
##	[835]	12.212195	11.360195	11.254195	10.993528	11.607528	11.338861
##	[841]	10.844195	10.968861	10.371528	10.860195	10.993528	11.993528

##	[847]	10.314195	9.606195	9.092195	9.393528	9.639528	9.382861
##	[853]	9.254861	9.116861	9.011528	7.955528	8.398861	8.186195
##	[859]	8.098861	8.293528	7.952195	8.080861	8.644861	8.416861
##	[865]	8.838861	9.614861	9.336861	9.427528	9.126861	9.330195
##	[871]	9.452195	9.306861	9.863528	9.892195	9.832195	10.142861
##	[877]	9.786861	9.432195	9.650195	9.993528	10.329528	10.346861
##	[883]	10.068195	10.148195	9.980195	9.993528	9.993528	9.834861
##	[889]	9.916861	10.160195	9.890861	9.712195	9.360195	11.223528
##	[895]	10.826861	11.339528	11.409528	11.847528	11.808861	11.850195
##	[901]	11.670861	11.426861	11.680195	11.860195	11.916861	12.186195
##	[907]	12.040195	11.880195	11.746861	12.060861	12.616195	13.258195
##	[913]	13.045528	12.882861	13.200195	13.676195	13.573528	14.327528
##	[919]	14.102861	13.910861	15.326861	17.232195	17.410196	16.636861
##	[925]	15.810861	17.225528	17.108196	16.936195	16.856195	16.173528
##	[931]	15.760195	15.426861	16.246194	15.679528	15.656861	15.790195
##	[937]	16.086195	15.737528	15.728195	15.310195	14.936195	14.790195
##	[943]	14.151528	14.180195	14.426861	13.928195	14.660195	15.346861
##	[949]	15.060861	13.714195	13.996861	14.444195	14.448195	13.367528
##	[955]	13.833528	13.266195	13.126861	13.300861	13.132195	13.750861
##	[961]	14.415528	14.047528	13.460195	13.326861	13.207528	13.566861
##	[967]	13.798861	13.900195	13.958861	14.433528	13.969528	12.126861
##	[973]	11.984195	12.251528	12.244195	12.590195	12.658861	12.590195
##	[979]	12.708195	13.122861	13.072195	13.350195	13.628861	13.894861
##	[985]	13.994861	14.031528	14.013528	13.815528	13.559528	13.616861
##	[991]	13.624861	13.976861	13.856861	13.622195	13.426861	13.666861
##	[997]	13.645528	13.777528	14.934195	15.426861	15.252195	15.228195
##	[1003]	15.294195	15.924861	15.530195	15.804861	15.639528	15.963528
##	[1009]	16.157528	16.037529	15.412861	15.160195	14.570195	14.744861
##	[1015]	14.472195	14.700861	14.659528	15.108861	14.781528	14.404195
##	[1021]	14.390195	14.476861	14.806195	14.660861	14.876861	14.841528
##	[1027]	14.943528	15.100861	14.788195	15.277528	15.066195	15.618861
##	[1033]	15.824861	15.920195	16.668195	16.737527	17.025528	17.198862
##	[1039]	17.460861	17.492860	17.425527	17.543527	17.251527	16.971529
##	[1045]	17.094862	16.962862	17.206195	17.658861	17.560196	17.452861
##	[1051]	17.906862	18.360195	19.171527	18.927528	18.830194	18.501527
##	[1057]	18.859527	18.626861	18.690860	18.693529	18.284860	17.003528
##	[1063]	17.487527	17.550861	17.192861	16.993528	16.341528	16.734861
##	[1069]	16.828195	16.543527	16.260194	16.454860	16.140195	16.673528
##	[1075]	16.864195	17.268861	17.228860	17.333528	17.476862	16.302862
##	[1081]	15.898195	15.210195	14.660195	14.641528	15.552195	15.108195
##	[1087]	15.611528	15.539528	15.637528	15.744861	15.610195	15.300195
##	[1093]	16.068861	15.869528	16.160862	16.193529	16.026195	16.060196
##	[1099]	15.626195	16.139528	15.934195	16.163528	16.641529	16.701528
##	[1105]	16.660196	17.159528	17.050861	16.700861	16.523529	16.807527
##	[1111]	16.340194	16.483528	16.549528	16.350195	16.070861	15.631528
##	[1117]	15.076861	15.233528	15.238195	14.762861	13.949528	14.268861
##	[1123]	14.028861	13.648195	13.946195	13.386195	12.864195	14.152195
##	[1129]	14.672861	14.660195	14.914195	14.644861	14.760861	15.120195
##	[1135]	14.926195	14.866195	14.851528	14.296861	13.997528	14.216861
##	[1141]	14.180861	13.921528	13.530195	13.548195	12.382195	12.959528
##	[1147]	12.706861	12.918195	12.630195	13.126861	13.346195	13.448861
##	[1153]	13.621528	13.734195	13.398195	13.590861	13.591528	14.208195
##	[1159]	14.546195	14.652195	14.793528	14.352195	14.496861	14.140861
##	[1165]	12.898195	13.520195	13.706861	13.604861	13.660195	14.045528

## [1171]	14.370861	13.812861	13.656195	13.593528	13.786861	13.506861
## [1177]	13.114195	13.276861	13.516861	13.274195	12.952861	12.557528
## [1183]	12.736861	12.910195	12.590195	12.793528	13.022195	12.990861
## [1189]	13.460195	13.156861	13.226861	13.432195	13.211528	12.921528
## [1195]	12.598195	12.383528	12.895528	12.573528	12.675528	13.193528
## [1201]	13.494195	13.873528	13.888861	13.983528	14.022861	13.898195
## [1207]	13.824195	13.840195	13.659528	13.778861	13.713528	14.160195
## [1213]	14.544861	14.693528	14.830861	15.643528	15.330195	15.352861
## [1219]	15.322861	15.205528	15.844195	15.600195	14.726861	15.726195
## [1225]	15.746195	16.000862	16.500862	16.314861	16.255527	16.460195
## [1231]	16.555528	16.468860	16.195528	16.352195	16.505527	16.560861
## [1237]	16.462194	16.726862	16.754196	16.588195	16.540195	16.493528
## [1243]	16.393528	16.716861	17.020195	16.786861	16.877529	16.674196
## [1249]	16.640195	16.668861	16.804861	17.460195	17.486862	17.470195
## [1255]	17.348196	17.792196	17.756860	17.919529	17.456861	17.646862
## [1261]	18.067527	18.673528	18.585527	18.326860	17.281528	17.265527
## [1267]	17.474861	17.476862	17.466861	17.776195	17.608196	18.160196
## [1273]	18.326860	17.996860	17.411527	17.970195	17.818861	17.488861
## [1279]	17.043527	17.611528	17.506195	17.833528	17.746194	17.327528
## [1285]	17.565529	16.629528	16.232195	15.870195	15.803528	15.660195
## [1291]	15.984195	16.476196	17.030861	17.018861	17.348861	16.797529
## [1297]	15.726861	13.512861	15.361528	15.188861	15.393528	16.117529
## [1303]	16.368194	16.016195	16.346861	16.797529	16.052862	16.330194
## [1309]	16.796861	16.475528	16.502861	16.733528	16.843528	16.862861
## [1315]	17.590862	17.190860	17.592195	17.262195	17.456861	17.295528
## [1321]	17.767528	17.150196	16.690860	16.793527	16.494196	15.700195
## [1327]	16.582861	15.993528	15.768861	15.332195	14.722195	14.859528
## [1333]	14.212195	14.704861	14.422195	14.862861	15.093528	15.174861
## [1339]	14.126195	14.097528	14.326861	14.085528	14.316195	14.080861
## [1345]	14.110195	14.020195	13.921528	14.250195	15.126861	15.365528
## [1351]	15.373528	15.526195	14.892195	14.511528	14.516861	14.190195
## [1357]	13.732861	14.340195	14.293528	14.696195	14.892861	14.483528
## [1363]	14.351528	14.749528	15.397528	15.446195	15.397528	15.793528
## [1369]	15.692195	15.490861	15.173528	15.161528	15.106861	14.974195
## [1375]	15.009528	14.494195	14.781528	14.800195	15.589528	15.519528
## [1381]	15.439528	15.659528	15.472195	15.364195	15.426195	15.330861
## [1387]	15.766861	15.894195	15.374861	15.084195	14.660195	14.272861
## [1393]	14.517528	14.260861	14.100195	14.127528	13.474195	13.258195
## [1399]	13.907528	13.286861	13.430195	13.646861	13.330861	13.106861
## [1405]	12.818861	12.712861	12.656861	12.577528	12.821528	12.232861
## [1411]	11.373528	11.413528	10.466861	9.481528	10.026861	10.126861
## [1417]	10.326861	10.573528	10.593528	11.488195	10.904195	11.334861
## [1423]	11.737528	11.510195	11.903528	12.573528	12.820195	12.943528
## [1429]	12.242195	12.545528	13.193528	13.172195	13.560195	13.628195
## [1435]	13.993528	13.855528	14.170195	14.278195	14.526861	14.758195
## [1441]	15.266861	15.682861	15.807528	15.484861	14.378861	15.434195
## [1447]	15.319528	15.666195	15.282861	16.315529	16.601528	16.026861
## [1453]	16.924862	17.756860	17.360195	16.726862	16.626861	16.560861
## [1459]	16.860195	16.747528	16.808860	16.868194	16.410862	16.592861
## [1465]	16.586195	16.860860	16.796861	16.843528	16.650196	16.536195
## [1471]	16.093528	15.817528	15.346195	15.224195	14.051528	14.374861
## [1477]	13.830195	13.832861	14.089528	13.845528	13.870195	13.930195
## [1483]	13.936861	14.234861	14.459528	14.651528	14.433528	14.520861
## [1489]	14.693528	14.992861	14.862861	14.758861	14.632861	14.660195

##	[1495]	14.526861	14.809528	15.580195	15.658861	15.152861	14.626861
##	[1501]	14.585528	14.456861	14.488195	14.514195	14.626861	14.705528
##	[1507]	13.291528	13.039528	12.663528	12.717528	13.452861	13.668861
##	[1513]	14.191528	13.736195	13.975528	13.993528	14.200195	14.513528
##	[1519]	14.657528	14.933528	15.026861	14.868195	14.828195	14.636195
##	[1525]	14.993528	15.091528	15.060195	14.792861	14.811528	15.172861
##	[1531]	15.282861	15.190195	15.373528	15.693528	15.284861	15.151528
##	[1537]	15.039528	15.326861	15.193528	15.114861	15.209528	15.071528
##	[1543]	15.020861	15.061528	15.026195	14.948861	14.914861	14.896195
##	[1549]	14.938195	14.948195	15.130195	14.867528	14.802861	14.670195
##	[1555]	14.400861	14.022195	13.927528	13.482195	13.261528	13.693528
##	[1561]	13.296861	13.266195	12.993528	13.130861	13.043528	13.092861
##	[1567]	13.354861	13.793528	13.783528	13.751528	13.753528	13.726195
##	[1573]	13.760195	13.970195	13.827528	13.700195	13.474195	14.146861
##	[1579]	14.200195	14.142861	13.490861	13.393528	13.416861	13.450195
##	[1585]	13.390195	13.360195	13.370861	13.130195	13.059528	13.309528
##	[1591]	13.468195	13.233528	13.393528	13.520195	13.393528	14.082861
##	[1597]	13.593528	13.492861	13.196195	12.663528	12.593528	12.593528
##	[1603]	12.899528	12.912861	12.452195	12.730195	12.276195	12.526861
##	[1609]	12.178861	12.170195	12.226195	12.703528	12.329528	12.382861
##	[1615]	12.700861	12.902861	13.025528	13.030861	12.726861	12.543528
##	[1621]	12.185528	12.160861	12.361528	12.403528	12.796861	12.718195
##	[1627]	12.846861	12.872195	13.242861	13.220861	13.198861	13.492861
##	[1633]	13.530195	13.890195	13.874861	13.860195	14.318861	14.762195
##	[1639]	14.564195	14.413528	14.317528	14.310195	15.088195	15.122195
##	[1645]	15.258195	15.460195	15.264861	15.264195	15.326861	15.773528
##	[1651]	15.770195	16.476862	16.357528	16.383527	16.660196	17.147527
##	[1657]	16.946195	16.752195	16.828861	16.609527	16.863529	16.549528
##	[1663]	16.787529	16.726862	17.206195	17.150196	17.743528	17.979528
##	[1669]	18.042862	18.595527	18.660196	18.500194	17.713527	18.356861
##	[1675]	18.680860	17.593528	16.837528	16.538194	16.272861	16.938861
##	[1681]	16.640861	16.709528	16.520860	16.788194	16.460195	16.502195
##	[1687]	16.407528	16.314861	16.400861	17.126861	17.486862	17.593528
##	[1693]	17.366861	17.515527	16.764194	17.019527	17.040195	17.366861
##	[1699]	18.461528	18.549528	18.529527	18.575529	19.120195	19.786195
##	[1705]	20.129528	19.785528	19.826860	20.603529	20.885528	20.416195
##	[1711]	19.773529	20.173528	19.973528	20.157528	20.427528	20.126861
##	[1717]	20.608196	20.526861	20.818195	20.772861	20.648861	20.985529
##	[1723]	21.593528	21.171527	20.489528	19.860195	20.720195	20.618862
##	[1729]	21.430860	21.553527	21.692196	21.218860	21.166195	20.952861
##	[1735]	20.460195	21.026861	20.846861	20.690860	20.427528	20.728195
##	[1741]	21.145528	21.726862	22.506195	22.926860	22.644861	22.560196
##	[1747]	22.973528	23.749529	24.243528	24.954860	23.859527	24.501527
##	[1753]	25.399528	24.826860	25.192196	24.993528	25.104862	24.950195
##	[1759]	25.192861	25.490196	25.772861	25.086860	24.438861	24.700861
##	[1765]	24.240862	24.676195	23.140195	21.144195	20.893528	20.853529
##	[1771]	21.060196	22.020195	22.000862	21.539528	21.696195	21.160196
##	[1777]	21.875528	21.786861	21.957529	22.009529	22.993528	22.684194
##	[1783]	23.060196	22.452861	22.360195	21.526861	21.256195	23.015527
##	[1789]	23.126861	23.816862	23.828861	24.060196	24.100195	23.791528
##	[1795]	24.302194	24.340194	24.193529	24.074195	23.520860	23.048195
##	[1801]	22.735529	22.592861	23.494861	23.609527	23.145528	22.625528
##	[1807]	23.304861	23.563528	23.734861	23.580194	23.293527	23.058860
##	[1813]	23.259529	23.416860	24.292862	24.248195	24.282196	24.960861

## [1819]	25.343528	25.326860	24.860195	24.986862	24.426195	23.536861
## [1825]	23.388860	23.320196	22.652195	22.784195	22.828195	22.386861
## [1831]	23.410196	23.726862	23.533529	23.303527	23.113529	23.586195
## [1837]	23.523529	23.792196	23.577528	23.387527	23.724861	23.697528
## [1843]	23.506195	23.318861	22.580194	22.440195	21.845527	21.310196
## [1849]	21.272195	21.342195	22.143528	20.002195	19.960195	20.460195
## [1855]	20.061529	20.360195	20.160196	20.160196	20.002195	20.993528
## [1861]	20.394195	20.926195	21.704860	20.912861	20.717529	21.111528
## [1867]	20.912861	20.876861	21.084196	21.146862	20.564195	20.356195
## [1873]	20.426860	20.126861	20.000194	20.793527	20.966861	20.968860
## [1879]	22.023529	22.722194	22.727527	22.796196	22.986862	22.677528
## [1885]	22.172861	21.966196	21.960861	21.582195	21.060196	20.776861
## [1891]	21.072195	20.793527	21.393528	20.851528	21.101528	21.060196
## [1897]	22.337528	22.140195	22.342861	22.568861	22.496194	22.691528
## [1903]	23.038194	22.993528	23.286861	23.993528	23.632194	23.211528
## [1909]	22.760194	22.650196	23.002861	23.160862	23.393528	23.222862
## [1915]	22.524862	21.674196	22.592861	22.880861	21.322195	21.068861
## [1921]	20.994861	21.382862	21.626861	22.160196	22.291528	22.395528
## [1927]	22.362196	23.182195	23.560196	23.743528	23.498195	22.994196
## [1933]	21.792196	22.152860	22.243528	21.689527	22.184194	21.600195
## [1939]	21.900861	21.900861	22.444194	21.952196	21.522195	21.093528
## [1945]	20.984861	20.676860	20.919529	20.743528	20.482860	20.260194
## [1951]	17.632194	17.092861	17.077528	17.981529	16.845527	19.282861
## [1957]	20.060196	20.018196	19.924862	20.042862	20.148195	20.233528
## [1963]	19.926860	19.251527	19.398861	19.398861	19.671527	19.412861
## [1969]	18.993528	18.893528	18.576860	19.018196	19.567527	19.560861
## [1975]	19.898195	18.579528	18.860195	19.826860	20.046861	20.020860
## [1981]	20.493528	20.506860	20.214861	18.994196	18.915529	19.053527
## [1987]	18.970195	18.748861	19.177528	18.510860	18.553527	18.502195
## [1993]	18.560861	18.879528	19.140861	19.050861	19.616195	19.840194
## [1999]	20.026861	21.070196	21.260194	21.494196	22.973528	23.107528
## [2005]	23.168861	23.582861	23.686861	24.337528	23.862861	24.126861
## [2011]	23.429529	22.001527	22.396862	22.993528	23.237527	23.548860
## [2017]	23.998195	22.110195	20.910862	20.323528	20.792862	21.630861
## [2023]	21.046861	21.422195	21.032196	20.774194	20.580862	21.660196
## [2029]	21.082195	21.408861	20.116195	20.288194	19.776195	20.316862
## [2035]	20.476862	19.720195	19.476862	19.859527	21.889528	23.180860
## [2041]	23.024194	22.916195	24.599529	24.363529	23.593528	24.068861
## [2047]	23.890195	22.787529	22.654195	21.560196	19.440195	20.700861
## [2053]	21.384861	21.269527	21.373527	21.193529	21.220861	20.678196
## [2059]	20.144195	20.126861	19.789528	18.996860	18.980196	17.333528
## [2065]	18.210861	18.624860	18.756195	19.194860	19.244196	19.329528
## [2071]	19.772861	18.694194	20.230861	19.840194	19.892194	19.993528
## [2077]	20.120861	20.853529	18.010860	20.378194	20.923528	20.215528
## [2083]	19.590194	18.303527	17.628194	17.010194	17.634195	17.162195
## [2089]	17.393528	17.264194	17.706861	18.820196	17.946195	17.819528
## [2095]	17.372196	17.584861	20.063528	21.141529	20.543527	22.491527
## [2101]	21.886196	22.162861	22.544195	22.909528	22.693529	22.598196
## [2107]	22.882862	23.226862	23.260194	23.218195	22.204195	22.840194
## [2113]	22.815529	23.006195	23.749529	22.776861	23.460195	22.283529
## [2119]	21.660196	22.663528	23.059528	23.126861	22.782196	23.993528
## [2125]	23.730196	23.727527	24.593528	23.993528	24.654195	24.621528
## [2131]	24.670194	24.993528	24.126861	23.362861	22.500194	21.796861
## [2137]	21.153528	20.893528	19.993528	21.316194	21.533529	22.512861

## [2143]	20.400196	20.460195	20.393528	21.441528	22.790861	22.360195
## [2149]	22.286861	22.799528	22.818861	22.326860	22.978860	23.074195
## [2155]	21.526861	20.314861	19.493528	18.862196	19.619527	19.520860
## [2161]	19.678196	20.023529	20.060196	20.354862	20.858862	20.826194
## [2167]	21.299528	20.880195	20.448862	20.766861	21.073528	20.816862
## [2173]	20.218860	20.293527	20.430860	20.287529	20.114195	19.626196
## [2179]	19.854194	19.474861	20.112196	21.254861	20.456195	19.868194
## [2185]	18.793527	18.425527	18.582861	18.454195	18.894861	19.092861
## [2191]	18.920194	19.490196	18.894195	18.393528	17.826860	17.972862
## [2197]	18.166860	18.165529	17.307527	17.622861	17.910196	18.470861
## [2203]	18.573528	18.834861	19.213527	19.148195	17.452861	17.984195
## [2209]	18.506195	18.103529	18.442861	17.880195	18.008196	17.902195
## [2215]	17.710195	18.310196	18.075529	17.926860	17.336860	17.583528
## [2221]	16.993528	16.426860	15.717528	16.130861	15.916861	16.361528
## [2227]	16.250862	16.661527	17.113529	16.456195	16.126861	15.976861
## [2233]	15.460861	15.280195	15.281528	15.292861	14.790861	13.513528
## [2239]	13.177528	13.266861	12.949528	13.315528	12.740195	12.466861
## [2245]	12.576861	12.333528	12.360861	12.066861	13.238861	13.622861
## [2251]	13.660195	14.010195	14.602861	14.856861	14.018861	14.076861
## [2257]	14.358861	15.241528	15.000861	14.860195	14.408195	14.876195
## [2263]	14.952861	14.680861	14.623528	14.726195	15.340861	15.252861
## [2269]	15.952861	15.631528	15.409528	15.258195	15.603528	15.869528
## [2275]	15.976861	16.526861	16.613529	17.038194	16.996860	17.039528
## [2281]	17.243528	17.107528	17.271528	15.560195	15.121528	15.132861
## [2287]	15.520195	16.193529	16.170194	15.416861	15.300195	15.452195
## [2293]	15.093528	15.623528	15.730195	15.526195	15.247528	15.407528
## [2299]	14.717528	14.437528	14.940861	15.168195	14.794195	14.846861
## [2305]	14.658195	14.233528	14.376195	14.239528	14.593528	15.270195
## [2311]	14.932195	15.119528	14.826861	15.140195	15.326861	15.380195
## [2317]	15.818861	16.506860	16.457529	16.393528	16.158195	16.326860
## [2323]	16.393528	16.426195	15.993528	16.094862	14.964195	15.370861
## [2329]	16.140195	16.193529	16.093528	16.212862	15.450861	15.434195
## [2335]	15.313528	15.718195	16.081527	16.345527	16.470195	16.520195
## [2341]	17.173528	17.152860	17.493528	17.373527	17.215528	16.948194
## [2347]	16.960195	19.884861	19.841528	21.829528	21.326194	20.860195
## [2353]	20.866861	21.081527	20.980196	21.301529	21.193529	21.936195
## [2359]	22.293527	22.923528	23.120195	23.660196	23.067527	23.369527
## [2365]	23.521528	23.443529	23.993528	23.627529	22.670862	22.948194
## [2371]	22.344862	22.068195	22.067527	21.953527	22.168195	22.510194
## [2377]	22.182195	22.326860	22.432861	22.657528	23.452196	23.654861
## [2383]	24.063528	24.163528	25.259529	25.368862	26.481529	27.346195
## [2389]	27.445528	27.884195	28.520860	28.993528	28.579528	26.993528
## [2395]	28.293527	29.360195	29.358196	30.753528	31.573528	33.133527
## [2401]	32.112859	32.893530	36.277528	35.310861	32.910196	33.834196
## [2407]	35.343526	38.119527	37.610197	38.035528	36.126196	37.892862
## [2413]	38.372861	42.154859	42.660196	44.906194	58.857526	54.877527
## [2419]	46.654859	48.696863	53.326860	51.246194	51.851530	49.449529
## [2425]	52.474863	56.100195	61.560194	60.790193	60.458860	55.926862
## [2431]	56.593526	52.160196	48.660196	41.973528	47.410860	53.660196
## [2437]	50.924196	48.244859	45.993528	40.352861	43.955530	42.673528
## [2443]	38.719530	39.660196	31.293527	29.327528	25.926860	24.973528
## [2449]	29.206861	28.900196	31.813528	36.343526	36.486196	33.660196
## [2455]	34.010862	33.410196	33.593526	32.062196	33.960195	34.073530
## [2461]	36.326860	36.940195	37.466196	39.337530	46.591528	49.460195

##	[2467]	47.789529	51.478860	48.840196	48.668195	46.925527	48.500196
##	[2473]	47.380861	49.167528	53.036195	52.671529	57.006197	50.326860
##	[2479]	46.726862	52.646196	51.760194	51.807527	52.911527	52.694196
##	[2485]	55.126859	54.715528	51.993528	52.683527	55.178861	54.338194
##	[2491]	54.693529	54.393530	54.804861	55.626859	54.717527	54.227529
##	[2497]	53.910196	57.193529	59.640195	59.201528	59.318861	58.516195
##	[2503]	61.260194	62.660860	66.118864	66.006864	65.326864	61.179529
##	[2509]	67.450193	65.840864	66.860197	67.512197	66.656858	66.585531
##	[2515]	66.267530	63.611528	66.312193	64.594198	67.093526	72.193525
##	[2521]	81.425527	85.106191	93.660864	93.660192	93.126196	93.060194
##	[2527]	110.593526	103.726858	102.860197	98.470861	100.890195	101.260862
##	[2533]	109.322195	106.593526	111.923528	94.394193	95.660192	100.260198
##	[2539]	100.060194	99.193525	100.993528	96.606863	99.660864	99.526197
##	[2545]	99.382192	99.962858	96.526861	93.060194	97.993528	107.393530
##	[2551]	110.992864	111.793531	126.592863	124.326864	124.038862	136.310865
##	[2557]	141.745527	131.652860	137.326856	145.357526	153.001524	148.196867
##	[2563]	167.373533	159.656858	135.736860	134.263532	118.660192	118.860197
##	[2569]	128.730192	127.306860	126.976858	145.513532	146.616865	138.526868
##	[2575]	149.306867	151.036863	143.193525	135.046857	121.260198	131.150190
##	[2581]	141.533521	138.660200	140.433530	146.913526	140.456861	141.110197
##	[2587]	141.256864	139.950193	146.140195	143.370191	147.326856	147.776868
##	[2593]	149.920194	150.096861	151.473524	148.740202	143.910200	140.893522
##	[2599]	147.300199	140.606855	137.203535	141.246854	138.820188	136.646864
##	[2605]	135.626859	131.326856	136.570188	143.533521	142.760191	145.360197
##	[2611]	146.493528	140.023527	138.810194	138.343534	136.943525	136.303526
##	[2617]	153.383527	149.443525	163.993528	165.990202	167.826856	180.126859
##	[2623]	183.346861	193.713529	200.730192	199.190199	185.473524	196.666868
##	[2629]	196.996854	201.633527	208.496854	217.890195	191.450193	204.996854
##	[2635]	206.326856	214.420194	209.403532	209.390195	222.960188	222.073530
##	[2641]	215.993528	210.726865	214.323530	224.830198	220.326856	223.993528
##	[2647]	233.323530	239.813535	241.213529	252.823530	259.203519	285.326872
##	[2653]	283.126859	276.993528	284.246854	281.123533	283.993528	279.260191
##	[2659]	286.240202	284.993528	278.096861	284.993528	297.120206	290.110197
##	[2665]	273.326872	276.660184	271.423521	281.553526	292.333524	284.993528
##	[2671]	281.660184	289.883543	285.033537	281.206846	270.806852	267.080198
##	[2677]	272.660184	259.690183	260.293516	264.993528	254.206861	220.703535
##	[2683]	237.276868	242.043531	233.326856	230.030195	239.420194	229.323530
##	[2689]	218.593534	208.680189	200.176862	202.720197	233.426862	233.126859
##	[2695]	223.326856	231.356855	234.443525	218.950193	228.090192	215.526868
##	[2701]	228.190199	225.250196	222.630201	204.326856	213.950193	205.206861
##	[2707]	200.576856	215.533521	229.450193	235.896864	230.093534	228.993528
##	[2713]	225.786863	225.916868	228.560194	237.560194	256.893522	247.693525
##	[2719]	242.876859	239.860197	239.133527	234.916868	247.160200	239.926862
##	[2725]	246.993528	239.313535	232.130201	233.163526	222.523527	234.593534
##	[2731]	226.306867	227.013532	226.913526	221.926862	221.626859	199.740202
##	[2737]	200.823530	200.506864	194.463529	191.843534	189.326856	184.176862
##	[2743]	191.660200	198.696867	193.860197	202.430189	202.513532	206.740202
##	[2749]	209.493528	209.260191	206.703535	200.593534	193.230192	197.270200
##	[2755]	207.663526	200.716856	201.286863	203.403532	204.070188	205.556867
##	[2761]	199.173521	200.623533	204.450193	208.153532	206.076856	210.660200
##	[2767]	224.990202	229.853529	223.873533	228.210188	226.583524	227.966856
##	[2773]	226.320188	227.230192	221.416868	209.450193	217.720197	220.726865
##	[2779]	228.766859	223.576856	219.456861	218.220197	209.956861	217.323530
##	[2785]	219.863523	218.806867	215.446867	216.983533	221.126859	215.660200

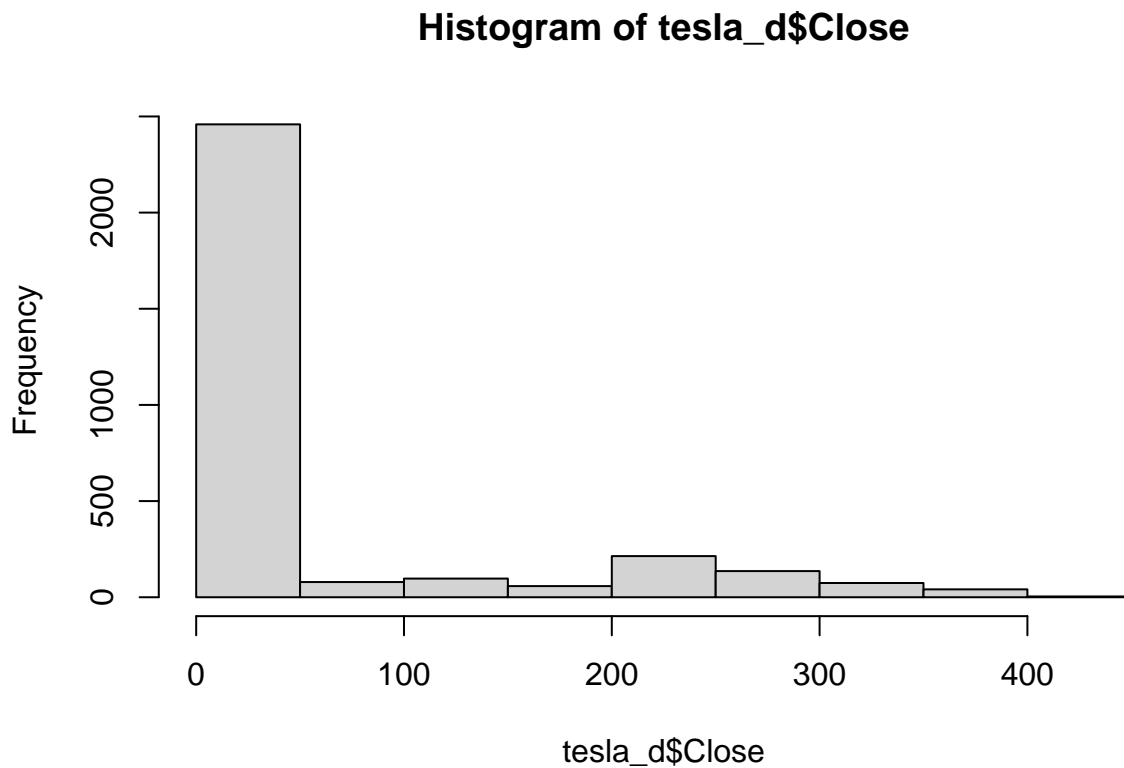
```

## [2791] 216.590192 223.913526 233.326856 239.660200 236.993528 238.660200
## [2797] 237.293531 236.716856 237.990202 237.563535 235.440199 241.230192
## [2803] 235.016859 224.213529 223.243528 226.063535 227.610197 228.473524
## [2809] 236.886854 235.670194 236.096861 234.993528 238.233533 244.326856
## [2815] 244.686857 244.826856 244.076856 246.660200 253.853529 251.130201
## [2821] 253.193525 246.730192 247.516859 248.326856 250.936857 252.376859
## [2827] 244.846861 244.923521 247.836866 251.660200 248.623533 257.700193
## [2833] 262.393522 259.926847 260.326872 259.460203 265.493528 261.593534
## [2839] 258.726865 261.813535 265.396848 262.543516 266.970182 270.150205
## [2845] 271.823515 274.573515 283.923521 292.503538 288.443540 285.326872
## [2851] 298.493528 316.836851 341.556852 346.546873 356.096861 360.613523
## [2857] 381.660184 386.446867 392.436857 411.463529 409.326872 383.256864
## [2863] 391.193540 336.796873 367.583524 349.160184 339.203519 334.430204
## [2869] 354.496854 368.843534 366.283537 387.436857 389.163541 360.123533
## [2875] 366.483518 366.990202 381.450193 386.893522 366.346861 361.590208
## [2881] 333.830198 348.060209 350.896848 353.540189 336.243528 333.690183
## [2887] 314.993528 317.730192 331.493528 304.916868 303.560209 305.616850
## [2893] 321.880186 335.593534 357.883543 369.823515 366.206846 353.770200
## [2899] 357.806852 382.576872 396.510191 382.210203 358.993528 360.116850
## [2905] 333.326872 351.216856 359.610197 369.683530 339.953519 342.196867
## [2911] 347.230192 336.570188 332.106870 301.580198 304.726865 317.470182
## [2917] 311.113523 277.180204 290.896848 311.730192 309.386869 293.993528
## [2923] 299.066862 307.923521 301.836851 311.660184 302.783537 303.203519
## [2929] 287.183530 299.993528 304.676847 304.413541 295.326872 278.036863
## [2935] 276.803526 233.456861 269.736875 271.663541 289.886869 290.703519
## [2941] 292.916868 283.026853 285.426847 265.170194 279.820188 283.810209
## [2947] 280.060209 260.196867 258.416868 269.660184 276.990202 291.490202
## [2953] 304.986875 309.993528 326.640195 336.570188 335.993528 355.026853
## [2959] 369.323515 363.716856 364.850187 360.376859 363.120206 378.760191
## [2965] 357.816862 350.790189 347.730192 326.793516 332.540189 327.020200
## [2971] 333.090208 329.670194 335.013517 343.326872 358.236875 338.296873
## [2977] 326.316862 331.803526 299.520200 299.986875 300.743528 286.916868
## [2983] 301.053526 301.306852 313.000181 295.660184 278.810209 273.096861
## [2989] 264.993528 233.660200 257.820188 255.713529 249.113523 248.166868
## [2995] 235.660200 237.990202 218.333524 217.836866 207.943525 220.466856
## [3001] 241.076856 257.940183 251.713529 244.150190 243.220197 244.346861
## [3007] 233.993528 240.080198 249.333524 235.150190 223.160200 218.280195
## [3013] 220.910200 222.730192 213.426862 224.596861 234.496854 237.900190
## [3019] 237.463529 249.360197 244.476865 230.493528 224.503523 226.993528
## [3025] 222.993528 230.773527 233.913526 242.326856 252.096861 236.840192
## [3031] 225.493528 234.890195 239.993528 244.930189 244.993528 246.776868
## [3037] 255.100202 276.213529 272.210203 266.506864 263.803526 280.060209
## [3043] 280.693540 301.270200 293.996854 304.993528 310.993528 302.663541
## [3049] 294.993528 290.286863 297.060209 296.506864 289.410184 301.780210
## [3055] 311.660184 303.390195 305.993528 298.993528 291.906858 291.446867
## [3061] 297.556852 302.353513 297.423521 282.823515 287.863523 280.613523
## [3067] 272.573515 281.063535 272.673521 273.093534 281.293516 291.663541
## [3073] 300.713529 292.893522 292.233518 301.823515 299.603513 300.083524
## [3079] 306.903532 308.283537 299.853513 283.083524 271.823515 283.833524
## [3085] 283.073515 282.753538 266.143522 254.493528 250.513532 245.003523
## [3091] 239.433530 233.933530 223.923521 220.943525 215.323530 208.293531
## [3097] 224.003523 210.033521 229.493528 219.793531 208.273527 206.413526
## [3103] 205.813535 210.093534 219.393522 229.763532 225.393522 226.183530
## [3109] 234.043531 226.033521 211.353529 222.593534 208.643522 194.013532

```

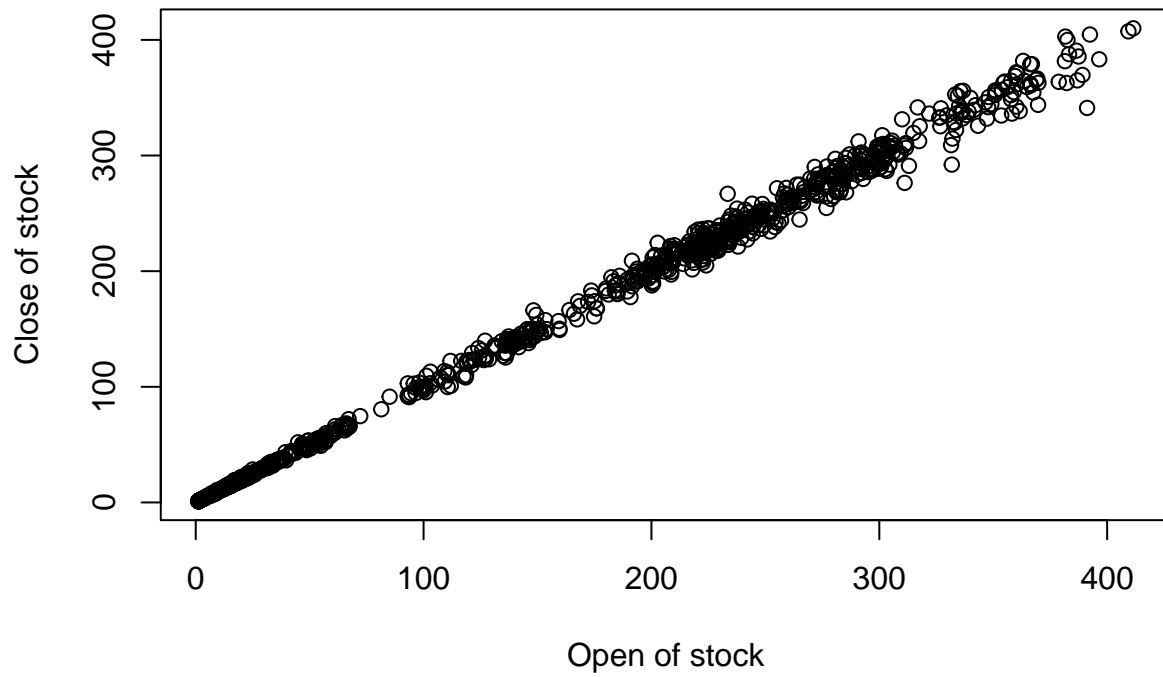
```
## [3115] 190.773527 189.893522 185.993528 192.763532 195.873533 191.503523
## [3121] 183.953535 185.043531 175.843534 168.623533 173.563535 185.053526
## [3127] 179.953535 184.983533 182.423521 197.073530 191.773527 189.433530
## [3133] 181.213529 175.023527 172.193525 173.833524 176.093534 174.863523
## [3139] 159.243528 153.433530 159.633527 153.993528 146.043531 139.333524
## [3145] 135.993528 126.363531 117.493528 110.343526 120.383527 119.943525
## [3151] 118.463529 109.103529 110.503530 102.993528 118.953527 121.063528
## [3157] 122.083524 122.553526 116.543531 125.693525 136.553526 127.253530
```

```
#histogram is displayed below.
#for the stock close price of tesla in stock market.
hist(tesla_d$Close)
```



```
#scatter plot
library(ggplot2)
N <- tesla_d$Open
R <- tesla_d$Close
plot(N,R, main = "Price of TESLA at stock market", xlab = "Open of stock", ylab = "Close of stock" )
```

Price of TESLA at stock market



#The above graphical representation is a scatterplot.

#The selected variables are Open and Close stock price at stock market

#Dataset source :- <https://www.kaggle.com/datasets/muhammadbilalhaneef/-tesla-stock-price-from-2010-to-2023>