Stock Benchmark

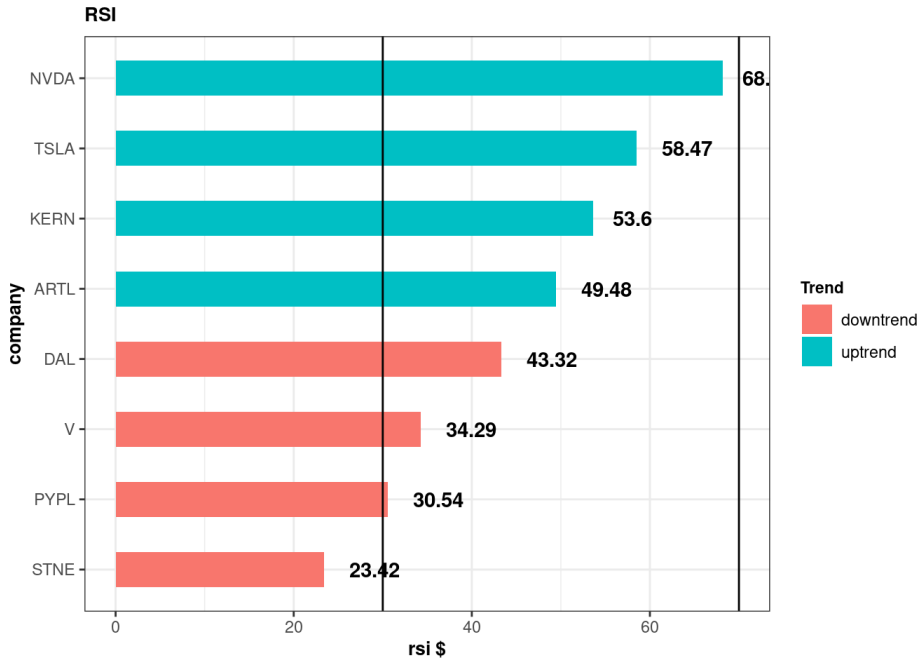
Giorgos Anastasakos

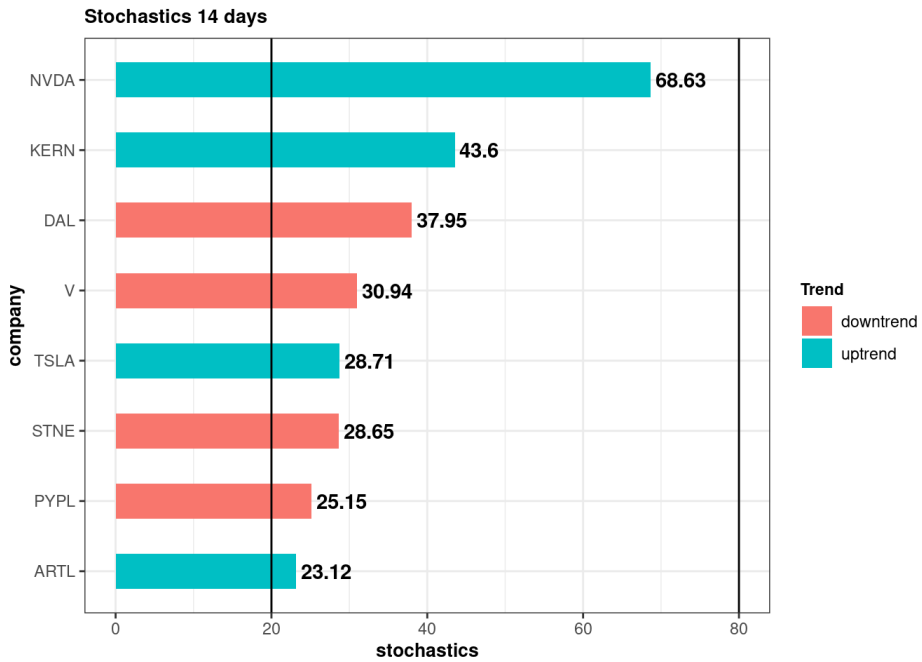
```
## [1] "2021-11-17 22:17:09 EET"
```

```
## noNotes
```

```
## [1] "no:  1 -------------gia tin etairia--------------  DAL"
## [1] "no:  2 -------------gia tin etairia--------------  TSLA"
## [1] "no:  3 -------------gia tin etairia--------------  STNE"
## [1] "no:  4 -------------gia tin etairia--------------  PYPL"
## [1] "no:  5 -------------gia tin etairia--------------  V"
## [1] "no:  6 -------------gia tin etairia--------------  NVDA"
## [1] "no:  7 -------------gia tin etairia--------------  KERN"
## [1] "no:  8 -------------gia tin etairia--------------  ARTL"
```

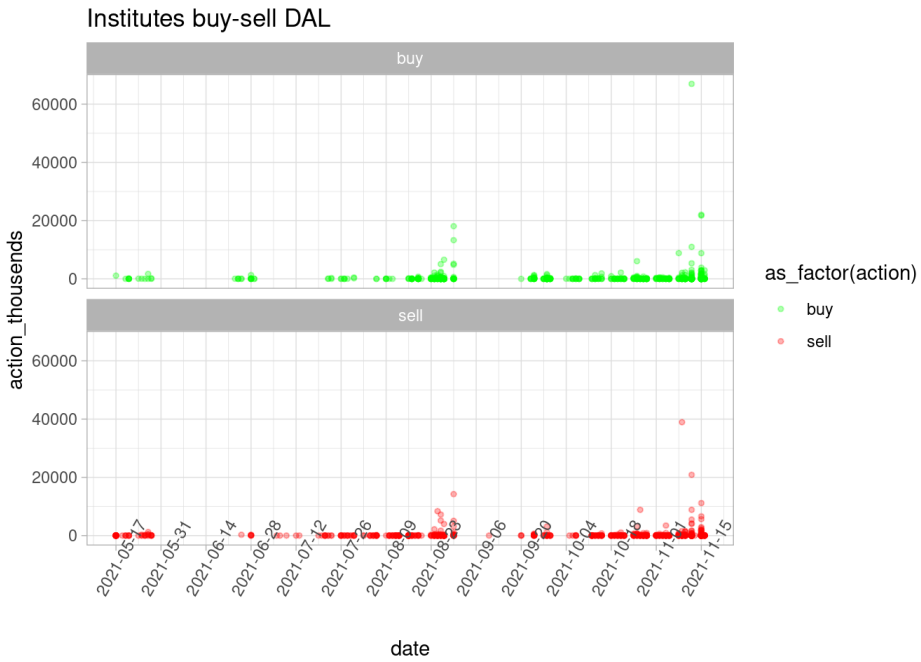
```
## [1] "/home/giorgos/Desktop"
```



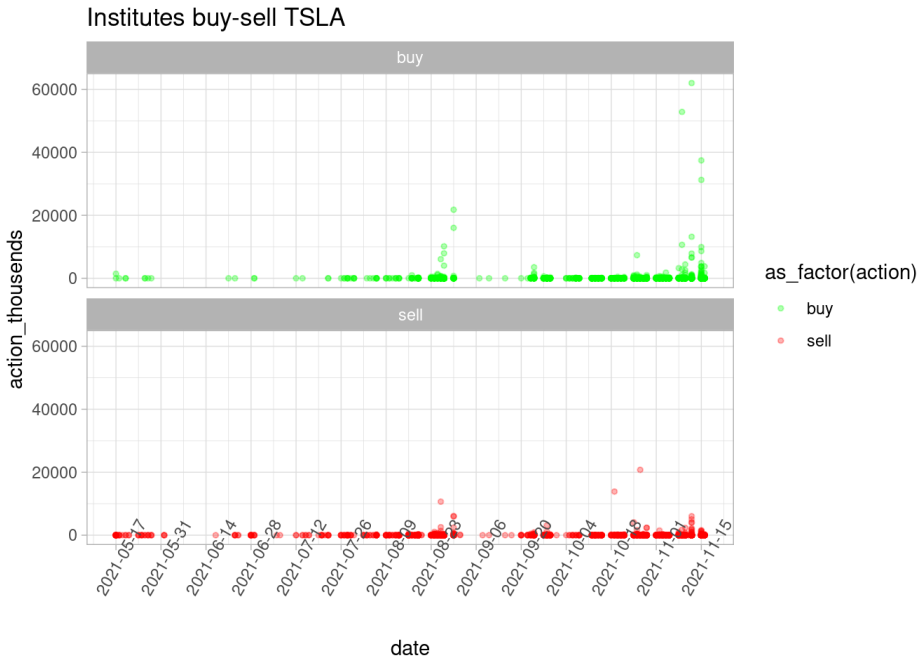


Institutes BUY-SELL

```
##  chr [1:864] "Shares" "0" "219,754" "0" "0" "6,519" "20,000" "57,183" ...
##  num [1:864] NA 0 219754 0 0 ...
```

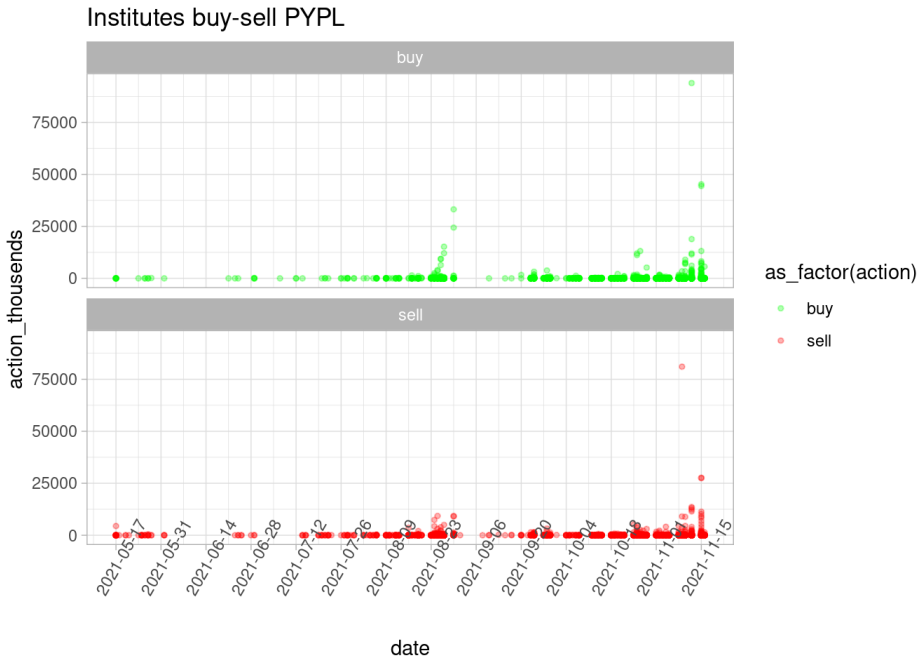



```
##  chr [1:1601] "Shares" "41,296" "14,595" "25,741" "2,055" "706" "6,483" "0" ...
##  num [1:1601] NA 41296 14595 25741 2055 ...
```

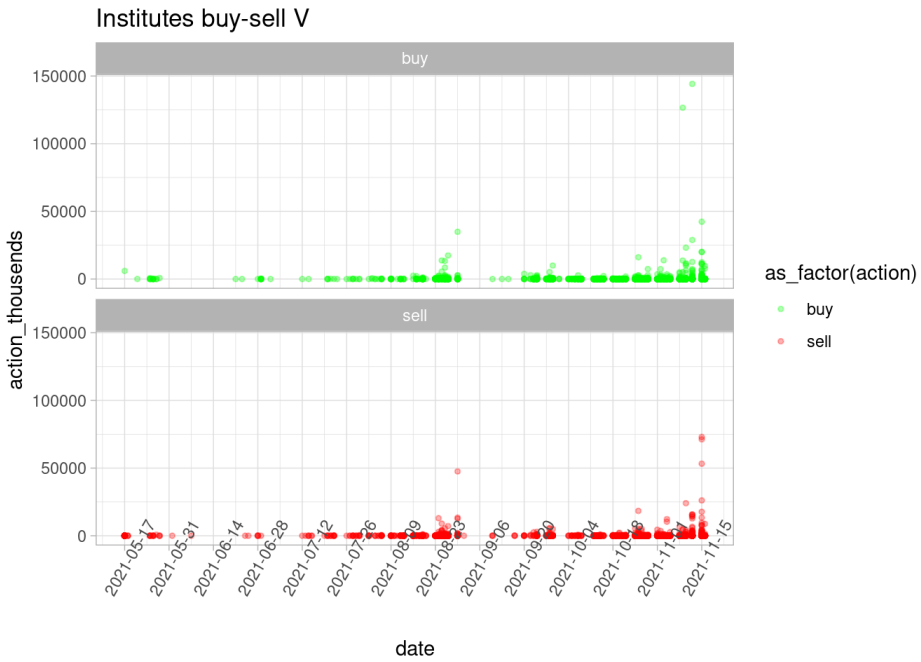



```
##  chr [1:371] "Shares" "2,661,435" "0" "0" "0" "0" "" "142,886" "0" ...
##  num [1:371] NA 2661435 0 0 0 ...
```

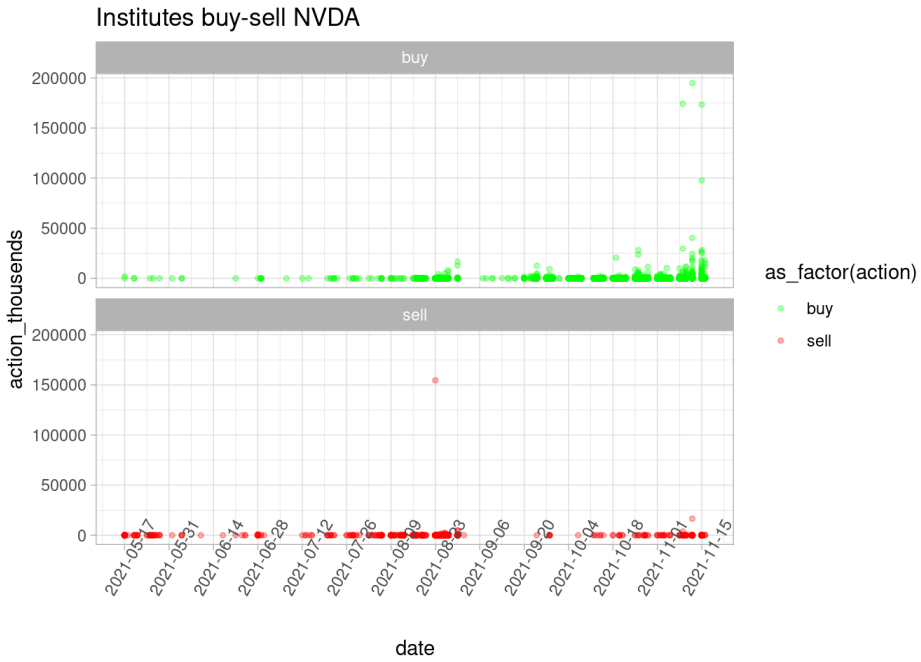
```
##  chr [1:1896] "Shares" "1,732" "110" "111,175" "380,302" "0" "69,273" ...
##  num [1:1896] NA 1732 110 111175 380302 ...
```



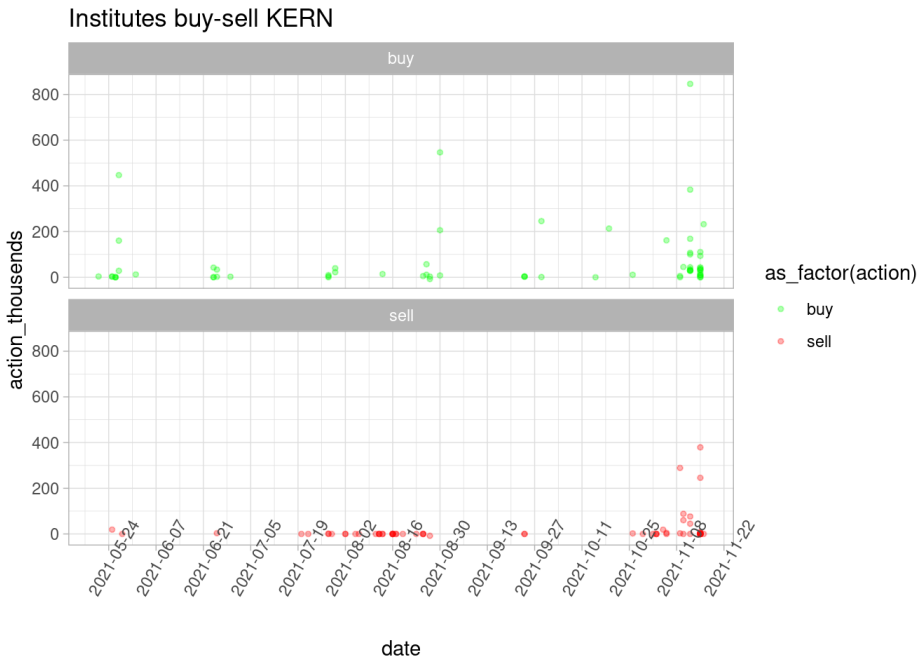

```
##  chr [1:2039] "Shares" "41,238" "14,786" "2,653" "0" "1,059" "2,130" ...
##  num [1:2039] NA 41238 14786 2653 0 ...
```



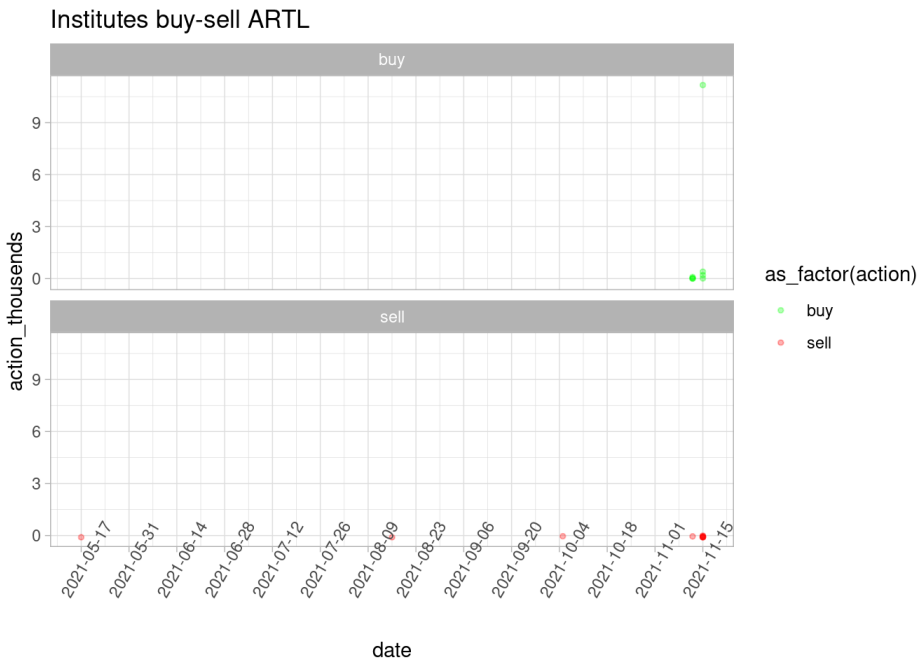

```
##  chr [1:778] "Shares" "0" "1,272" "0" "" "55,534" "" "11,386" "665" "0" "" ...
##  num [1:778] NA 0 1272 0 NA ...
```



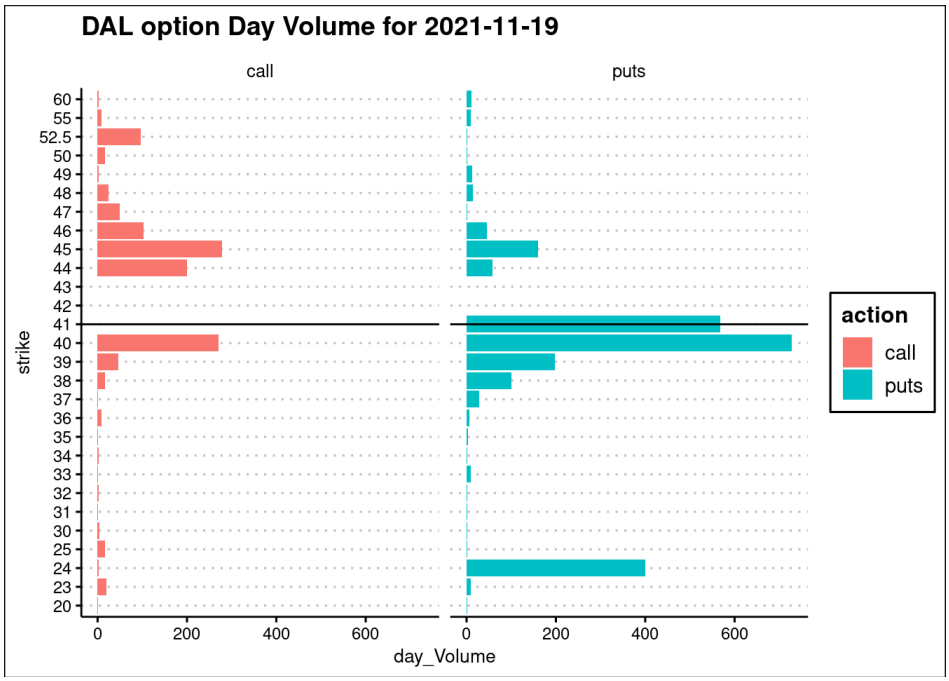

```
##  chr [1:80] "Shares" "0" "0" "0" "18,650" "76,480" "0" "0" "0" "0" "0" "0" ...
##  num [1:80] NA 0 0 0 18650 ...
```

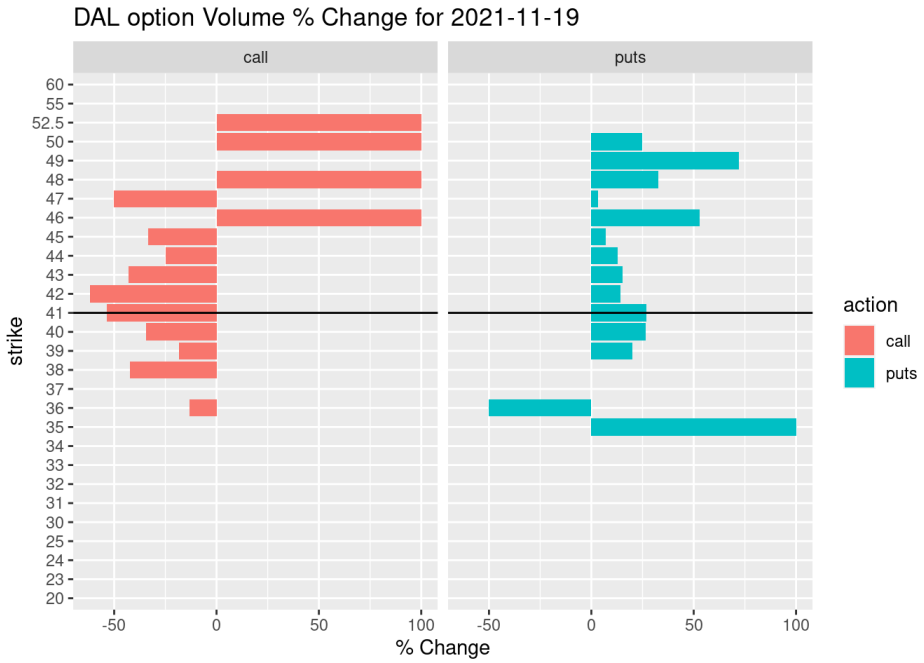


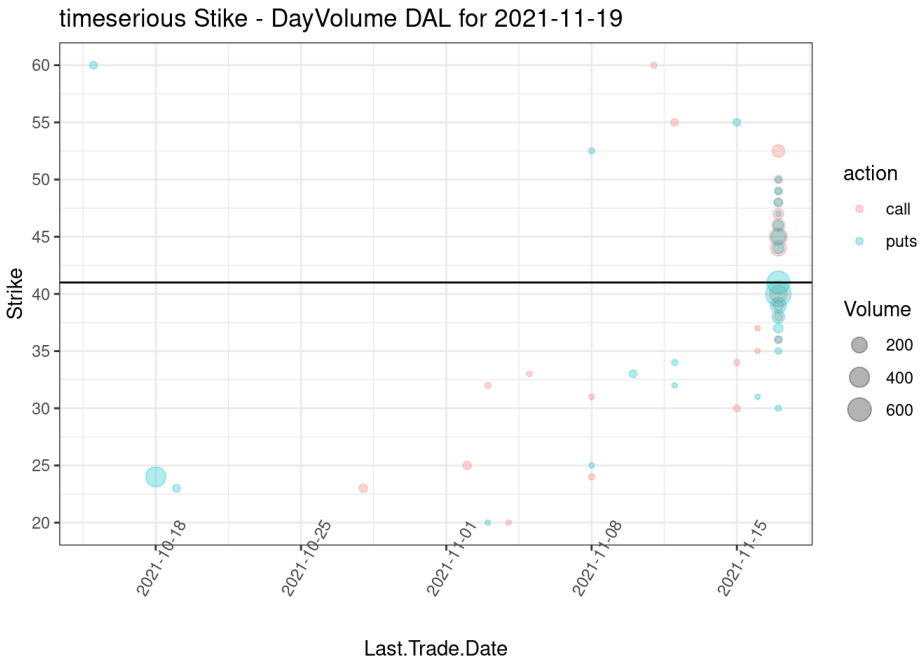

```
##  chr [1:13] "Shares Changed(%)" "-86.31" "-100.00" "-62.41" "-87.99" ...
##  num [1:13] NA -86.3 -100 -62.4 -88 ...
```

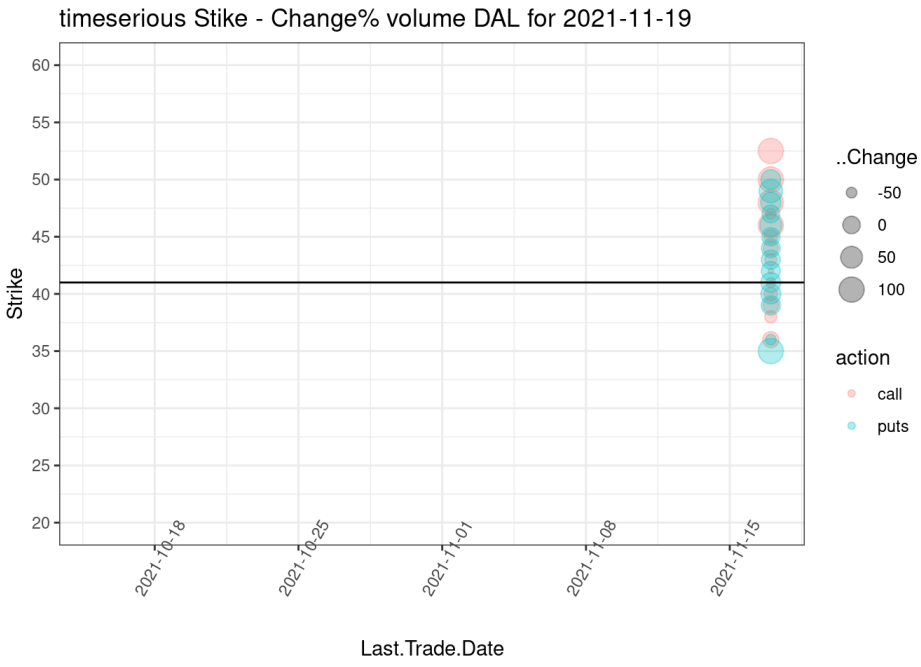


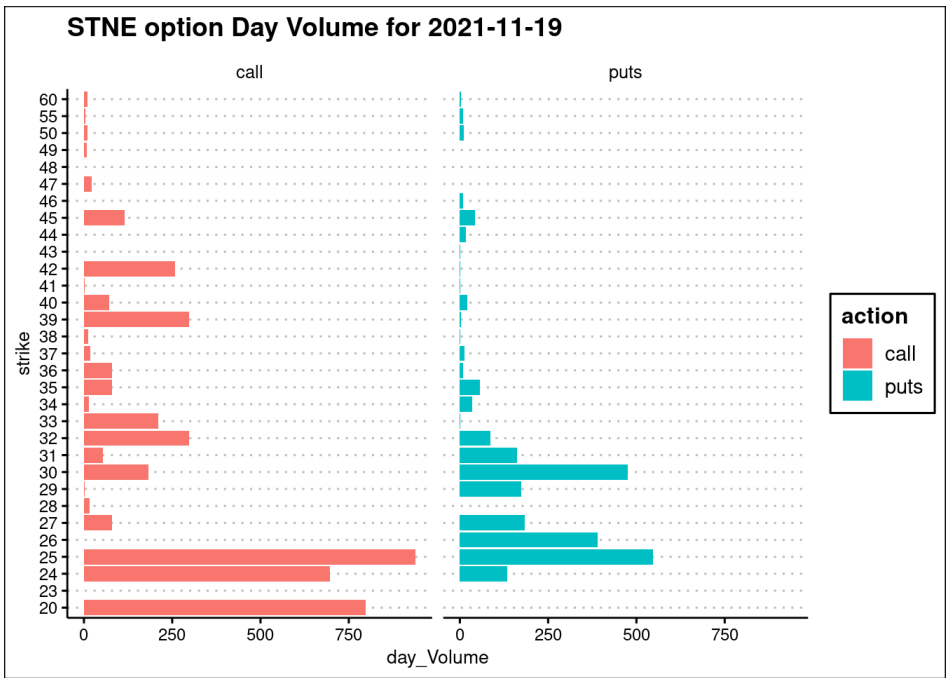
Options Analysis

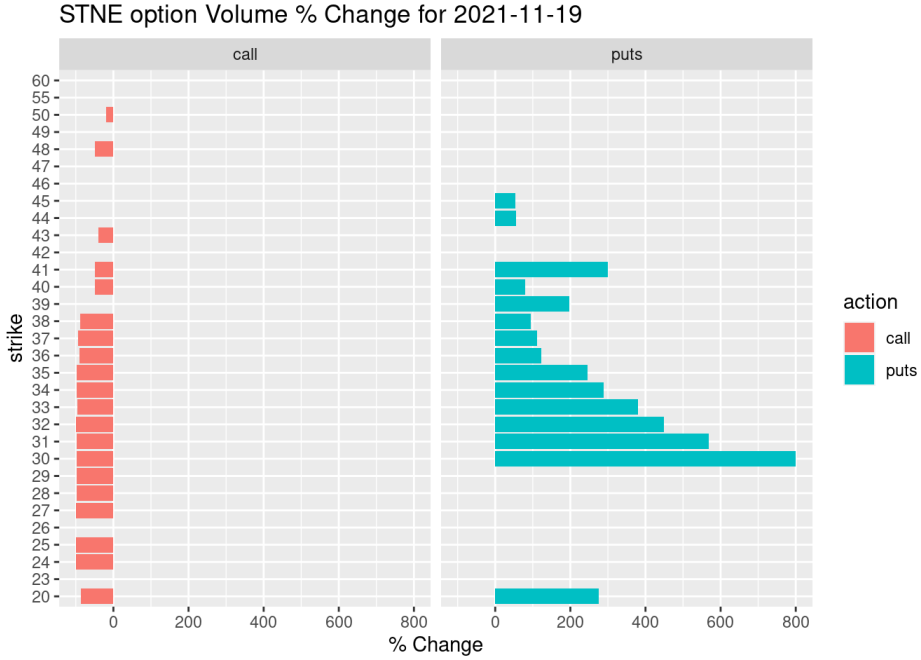

DAL option Day Volume for 2021-11-19
call
puts
strike
day_Volume
action
call
puts

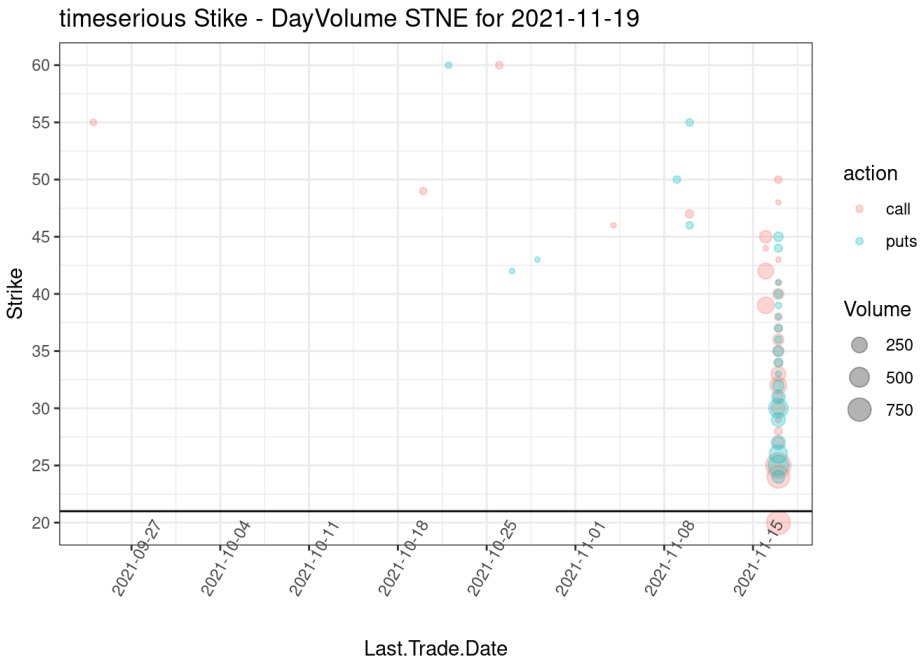

DAL option Volume % Change for 2021-11-19
call
puts
strike
% Change
action
call
puts

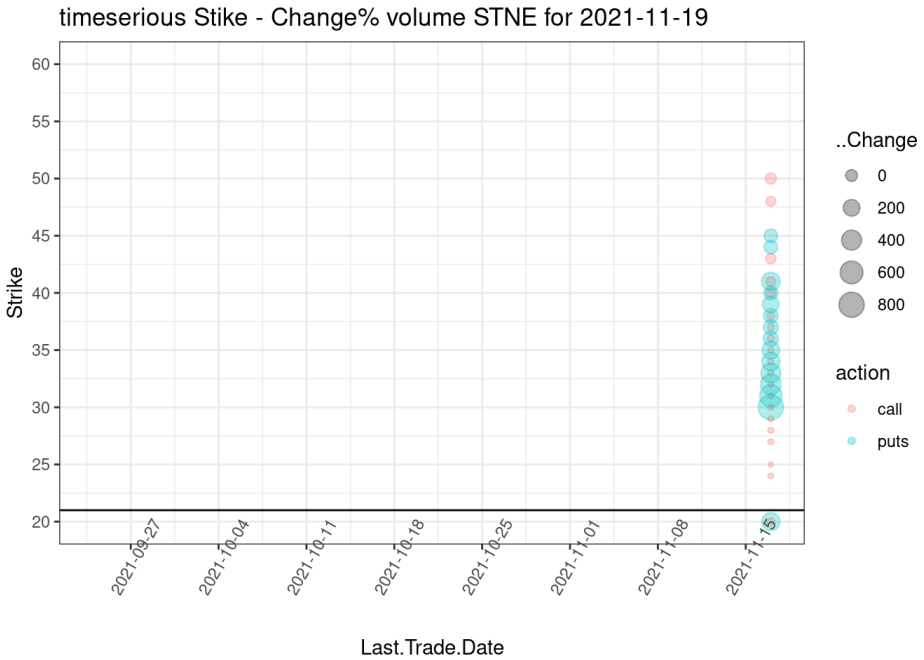

timeserious Stike - DayVolume DAL for 2021-11-19
Strike
Last.Trade.Date
2021-10-18
2021-10-25
2021-11-01
2021-11-08
2021-11-15
action
call
puts
Volume
200
400
600

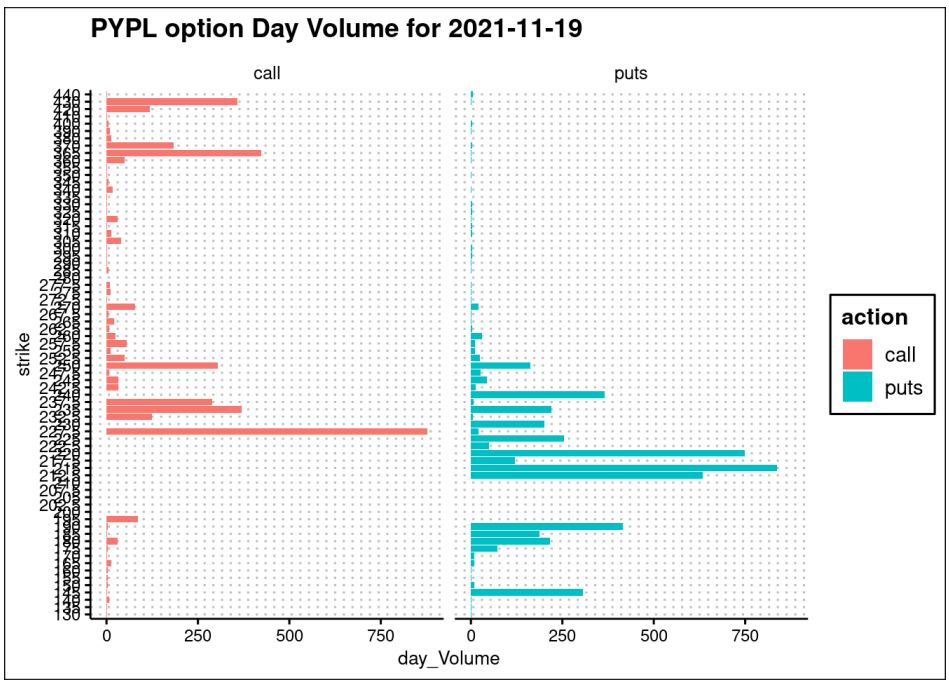

timeserious Stike - Change% volume DAL for 2021-11-19
Strike
Last.Trade.Date
..Change
-50
0
50
100
action
call
puts
2021-10-18
2021-10-25
2021-11-01
2021-11-08
2021-11-15

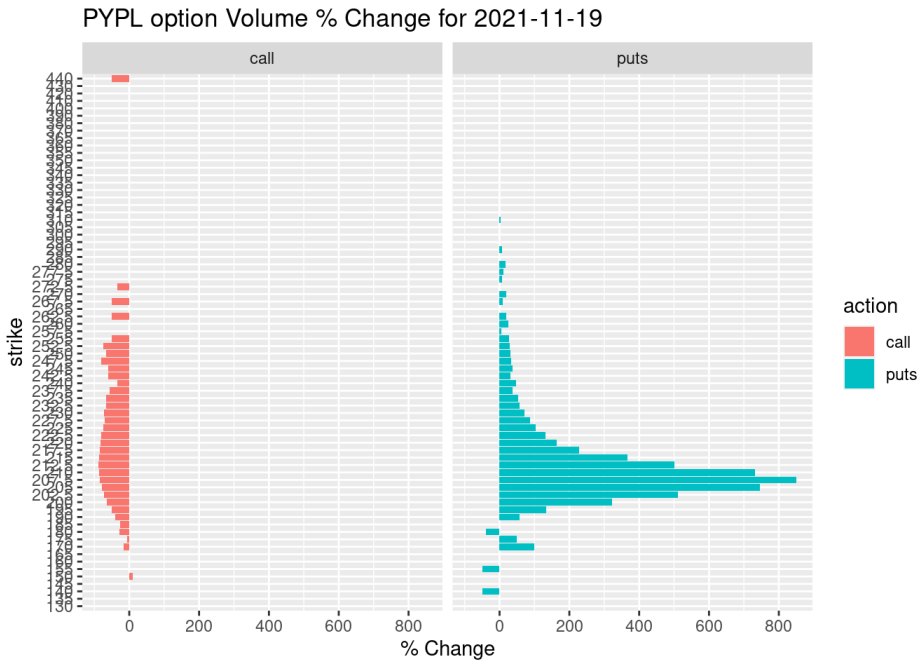

STNE option Day Volume for 2021-11-19
call
puts
strike
day_Volume
action
call
puts

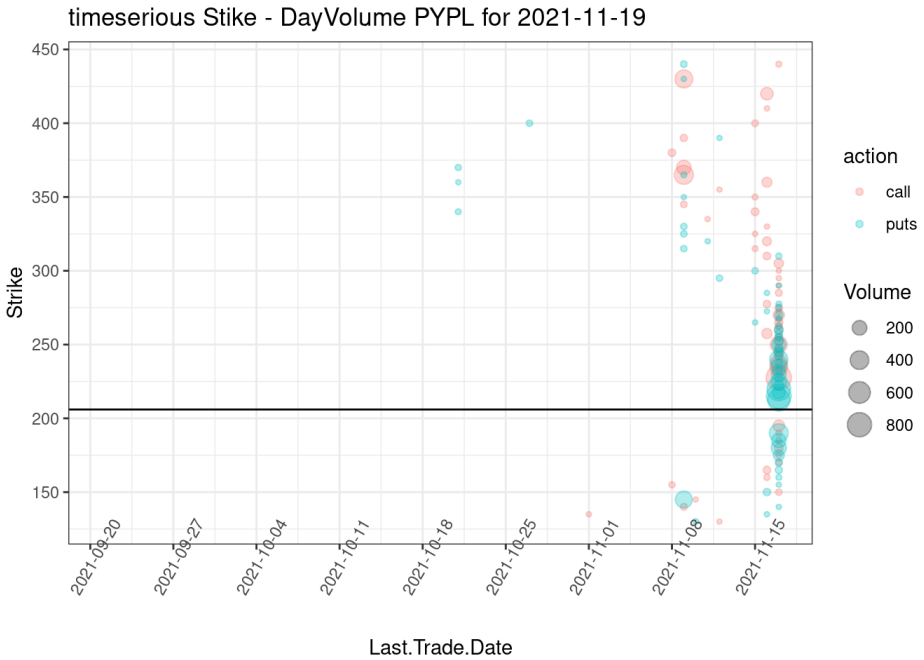

STNE option Volume % Change for 2021-11-19
call
puts
strike
% Change
action
call
puts

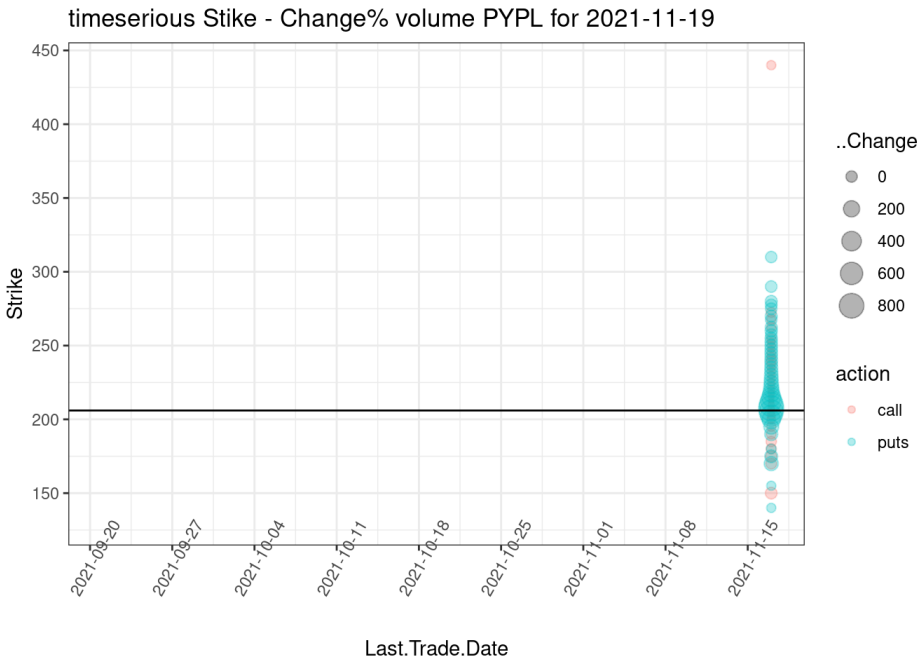

timeserious Stike - DayVolume STNE for 2021-11-19
Strike
Last.Trade.Date
action
call
puts
Volume
250
500
750

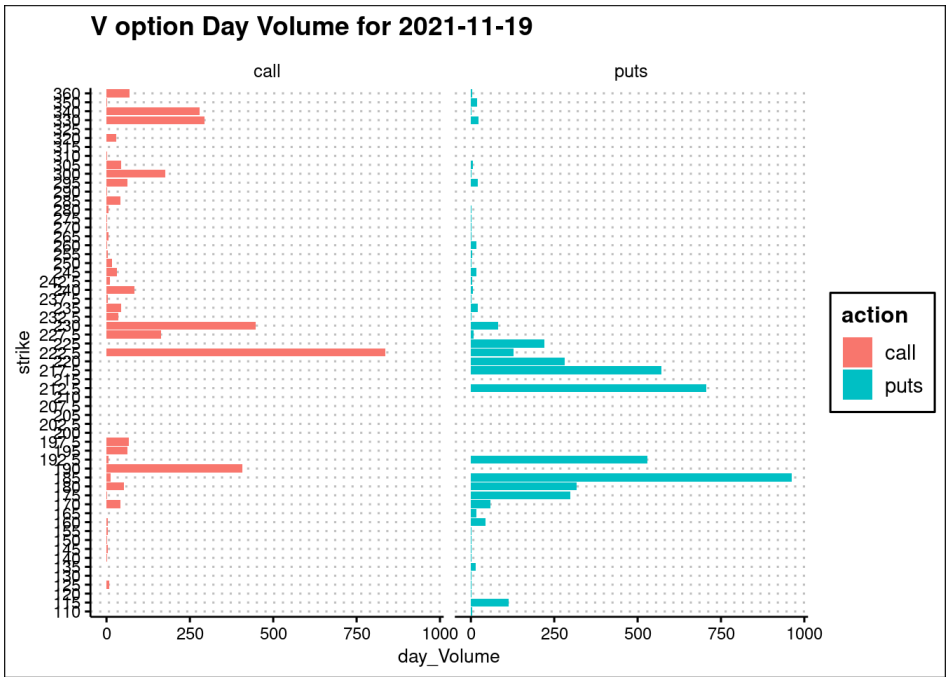

timeserious Stike - Change% volume STNE for 2021-11-19
Strike
Last.Trade.Date
..Change
0
200
400
600
800
action
call
puts

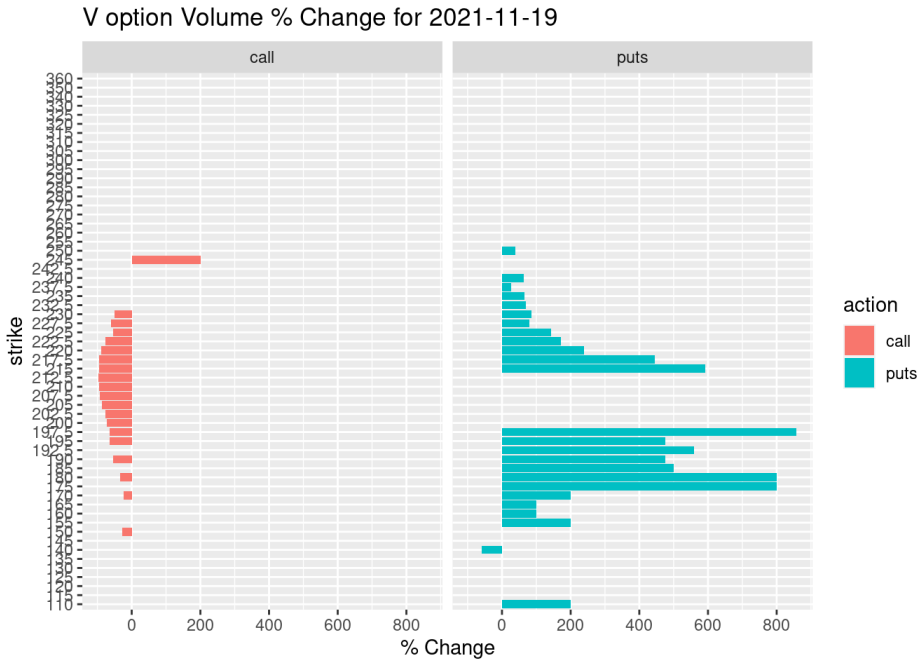

PYPL option Day Volume for 2021-11-19
call
puts
strike
day_Volume
action
call
puts

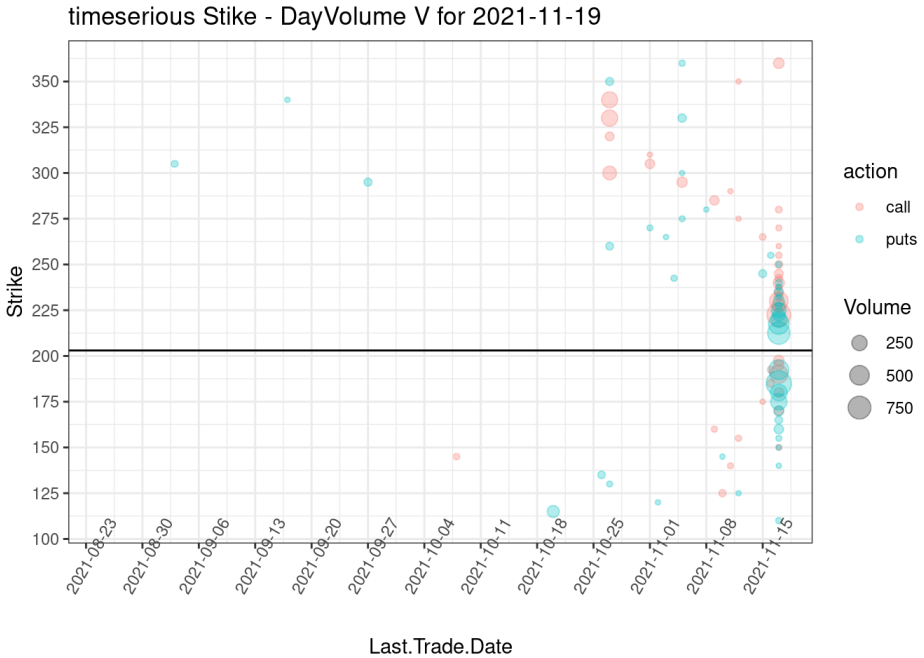

PYPL option Volume % Change for 2021-11-19
call
puts
strike
% Change
action
call
puts

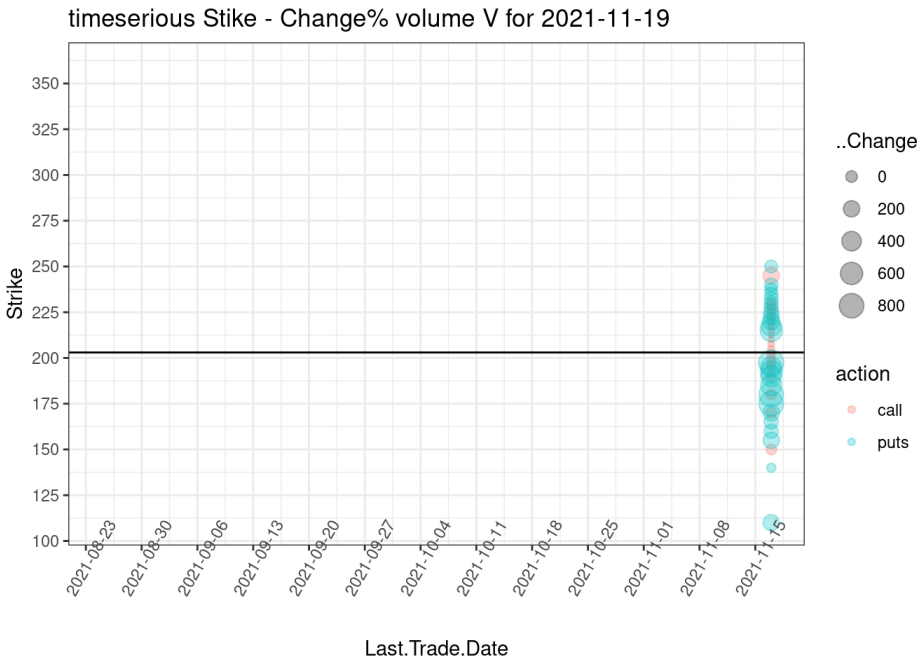

timeserious Stike - DayVolume PYPL for 2021-11-19
Strike
Last.Trade.Date
action
call
puts
Volume
200
400
600
800

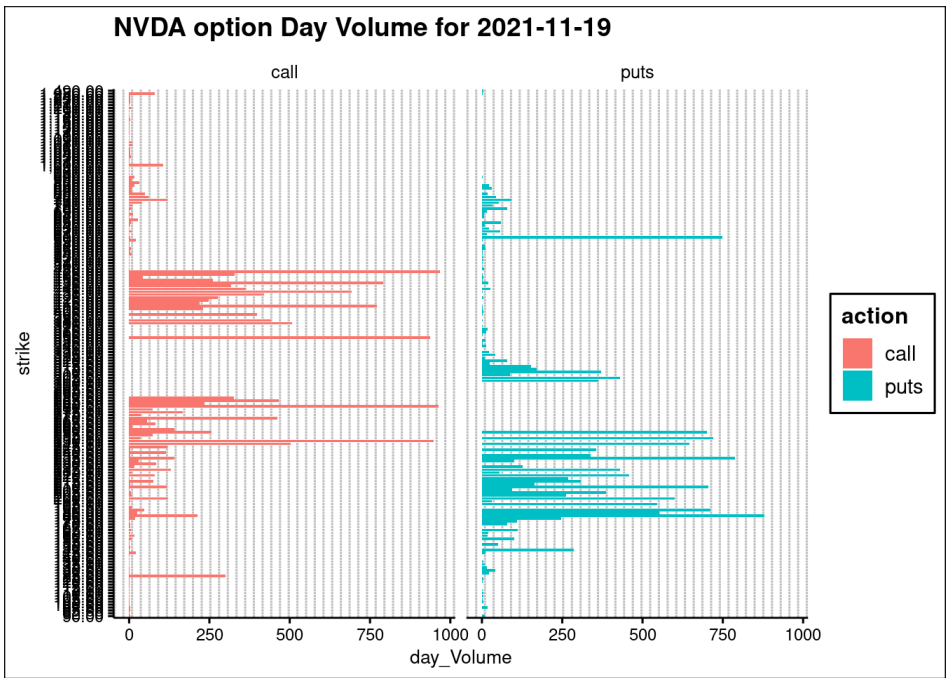

timeserious Stike - Change% volume PYPL for 2021-11-19
Strike
Last.Trade.Date
..Change
0
200
400
600
800
action
call
puts

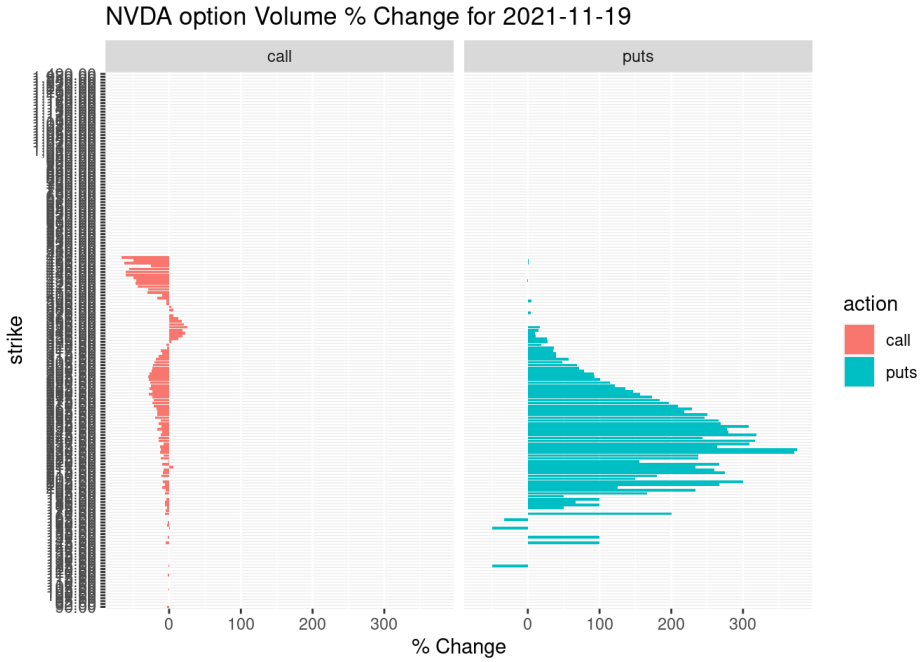

V option Day Volume for 2021-11-19
call
puts
strike
day_Volume
0
250
500
750
1000
action
call
puts

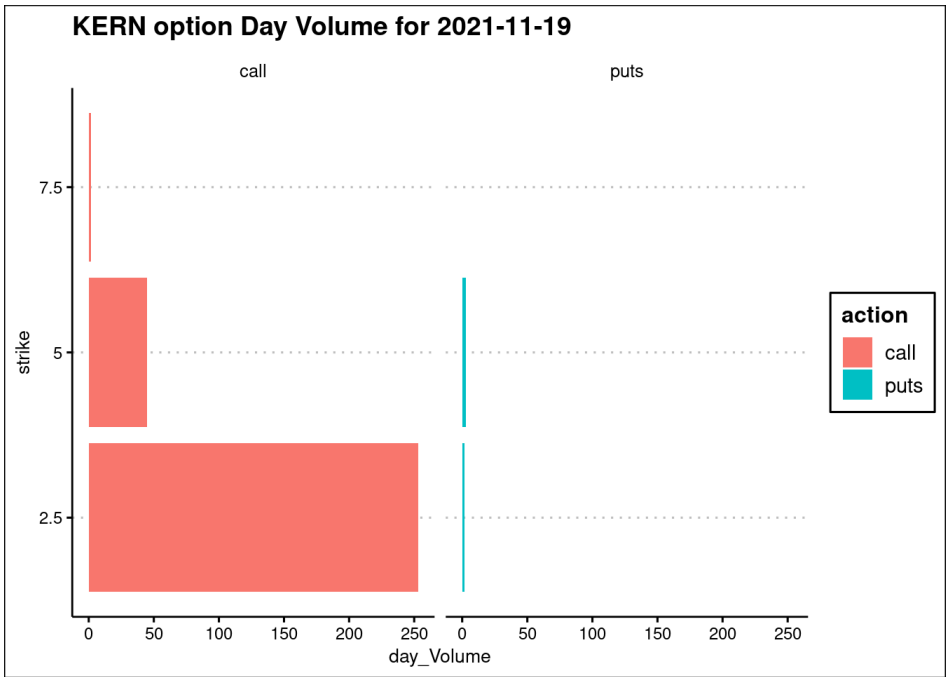

V option Volume % Change for 2021-11-19
call
puts
strike
% Change
0
200
400
600
800
action
call
puts

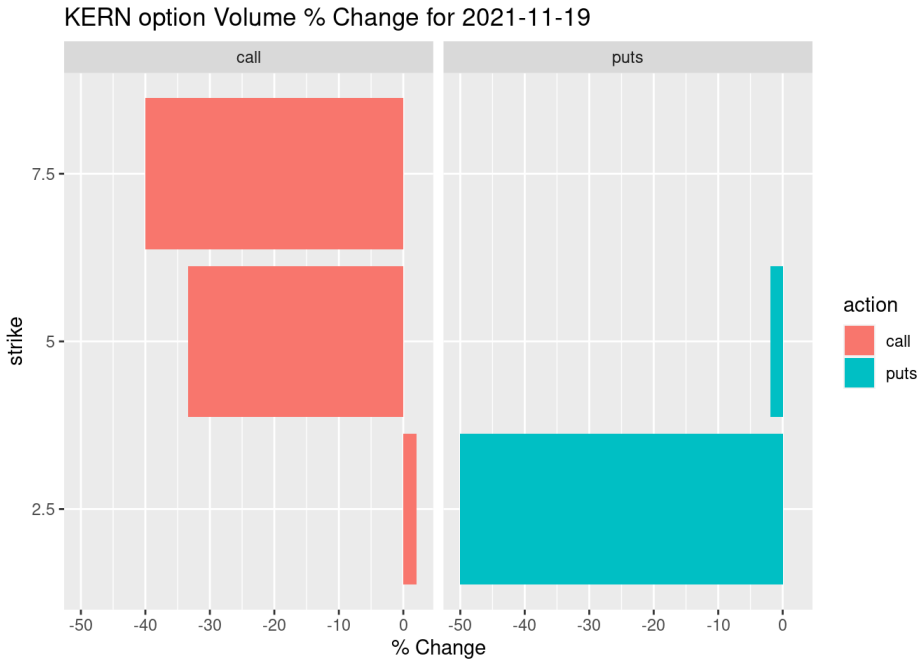

timeserious Stike - DayVolume V for 2021-11-19
Strike
Last.Trade.Date
action
call
puts
Volume
250
500
750

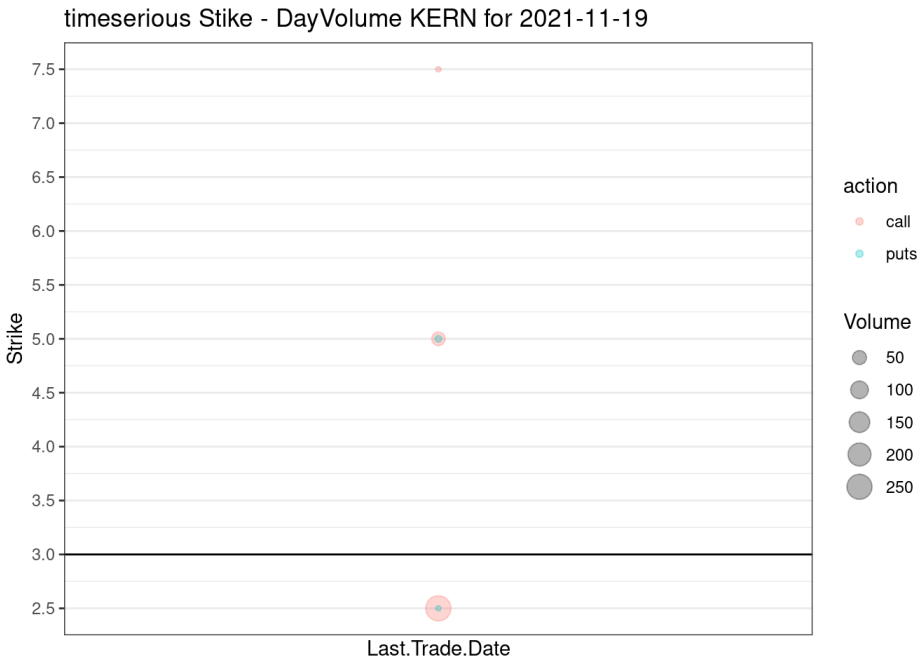

timeserious Stike - Change% volume V for 2021-11-19
Strike
350
325
300
275
250
225
200
175
150
125
100
2021-08-23
2021-08-30
2021-09-06
2021-09-13
2021-09-20
2021-09-27
2021-10-04
2021-10-11
2021-10-18
2021-10-25
2021-11-01
2021-11-08
2021-11-15
Last.Trade.Date
..Change
0
200
400
600
800
action
call
puts

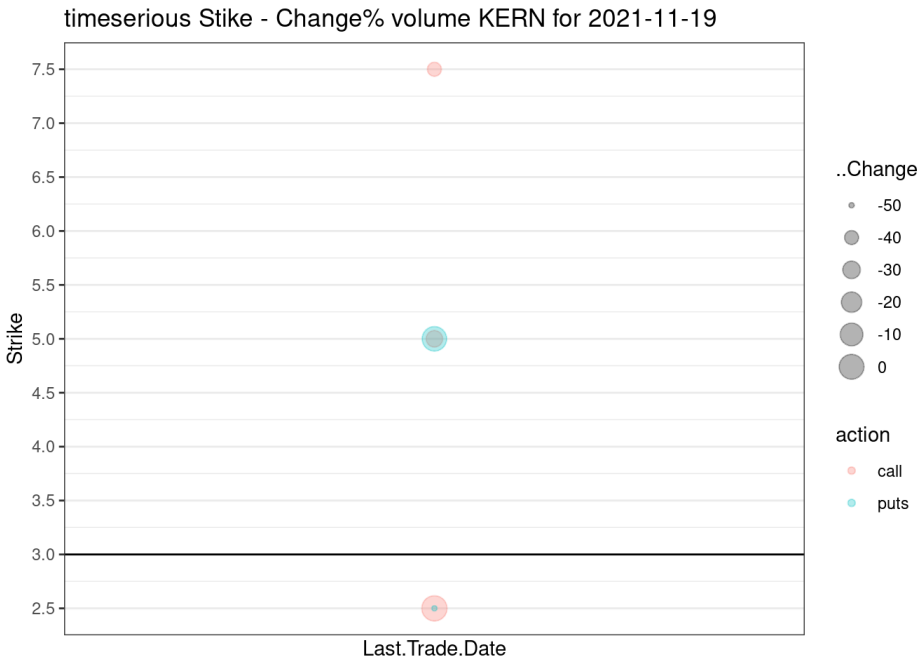

NVDA option Day Volume for 2021-11-19
call
puts
strike
0
250
500
750
1000
day_Volume
action
call
puts


NVDA option Volume % Change for 2021-11-19
call
puts
strike
0
100
200
300
% Change
action
call
puts

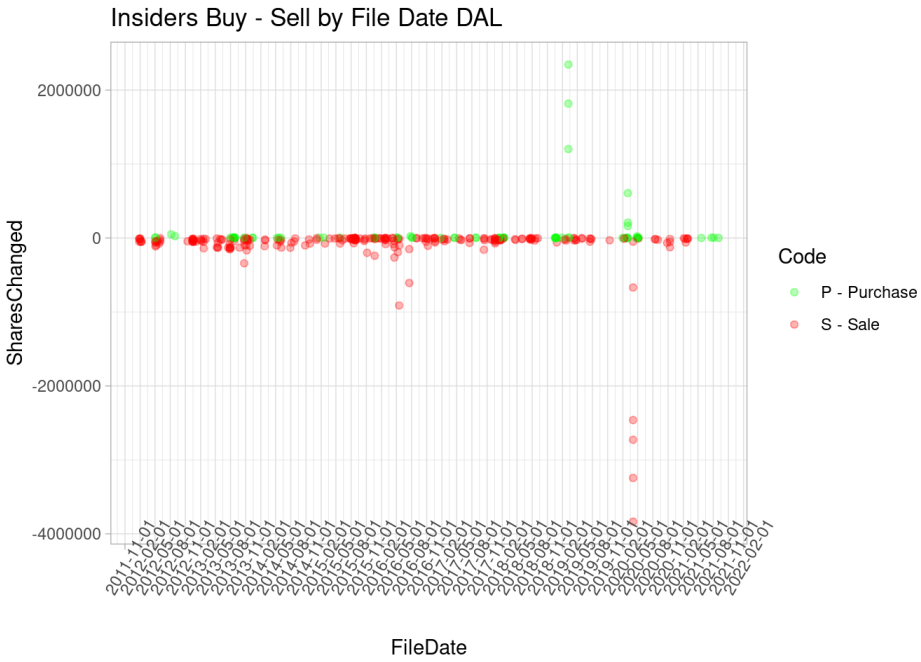

KERN option Day Volume for 2021-11-19
call
puts
7.5
5
2.5
strike
0
50
100
150
200
250
day_Volume
action
call
puts

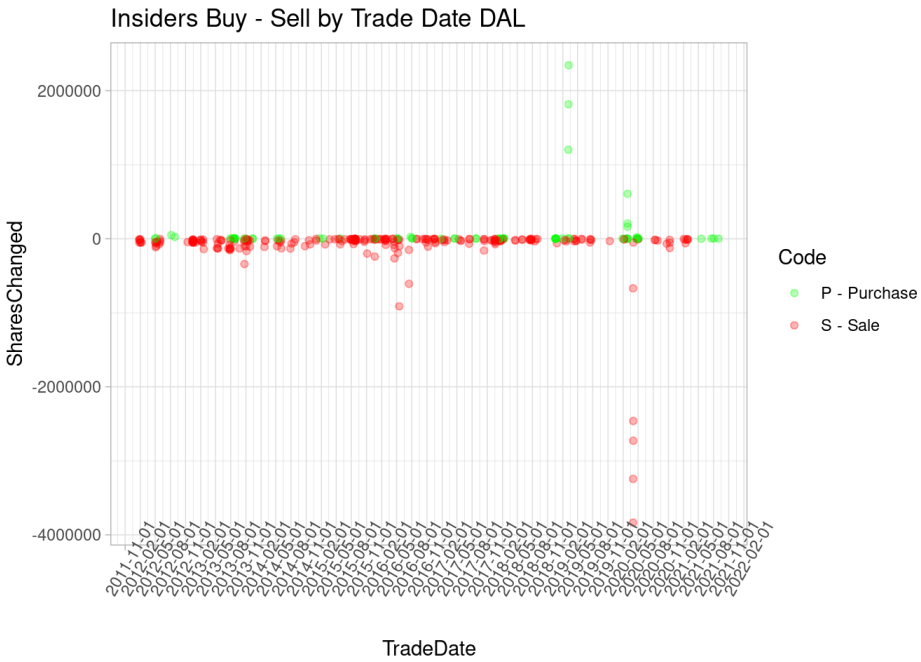

KERN option Volume % Change for 2021-11-19
call
puts
7.5
5
2.5
strike
-50
-40
-30
-20
-10
0
% Change
action
call
puts

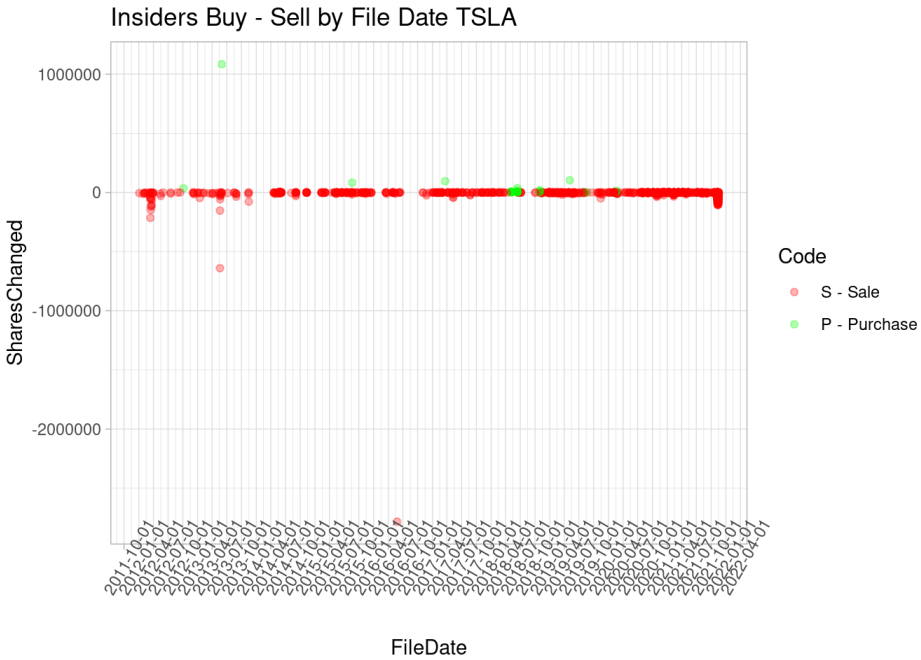

timeserious Stike - DayVolume KERN for 2021-11-19
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
Strike
Last.Trade.Date
action
call
puts
Volume
50
100
150
200
250

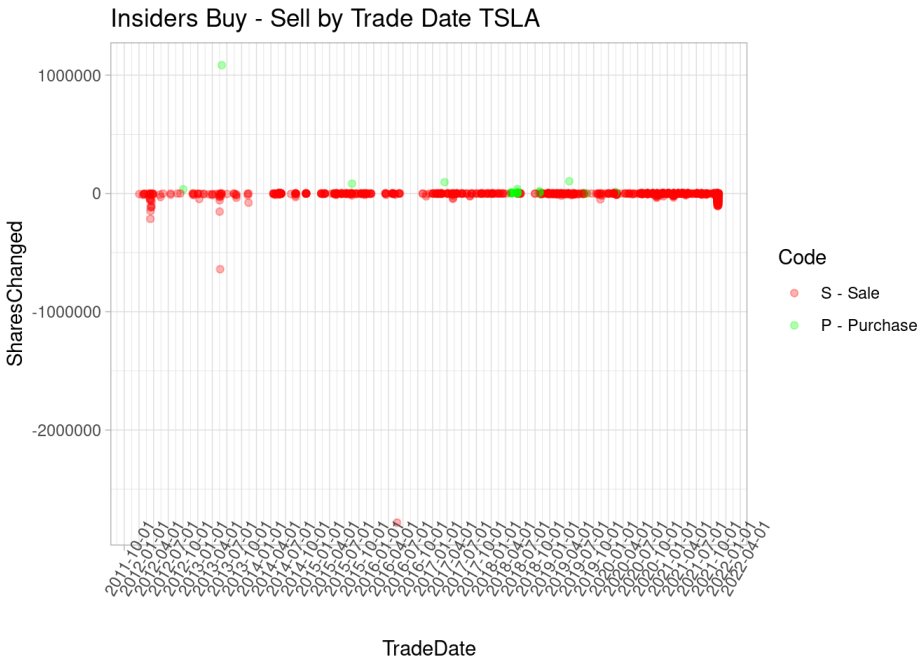


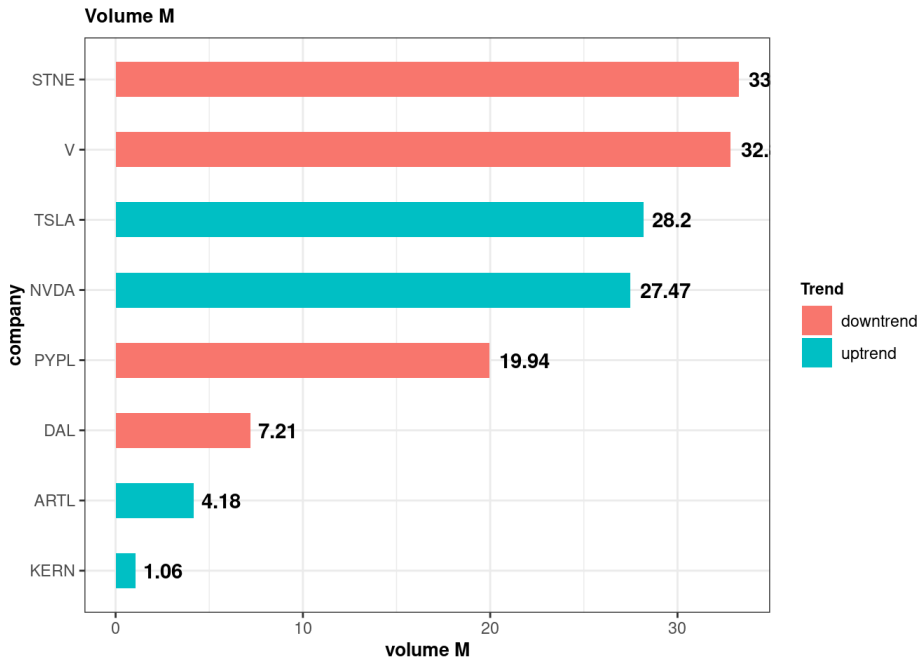
INSIDERS BUY-SELL

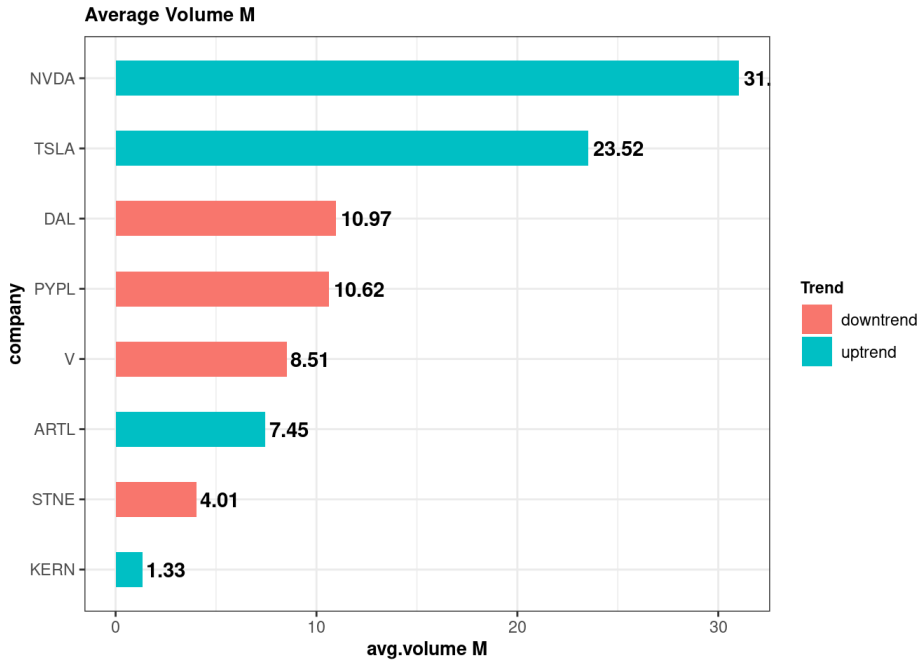


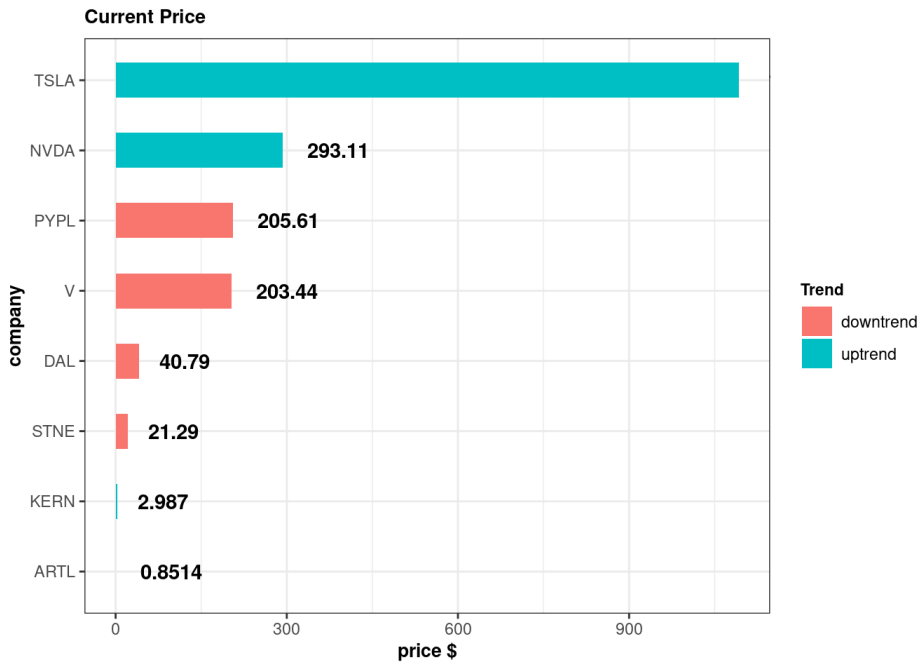

Insiders Buy - Sell by Trade Date DAL
SharesChanged
2000000
0
-2000000
-4000000
TradeDate
Code
P - Purchase
S - Sale

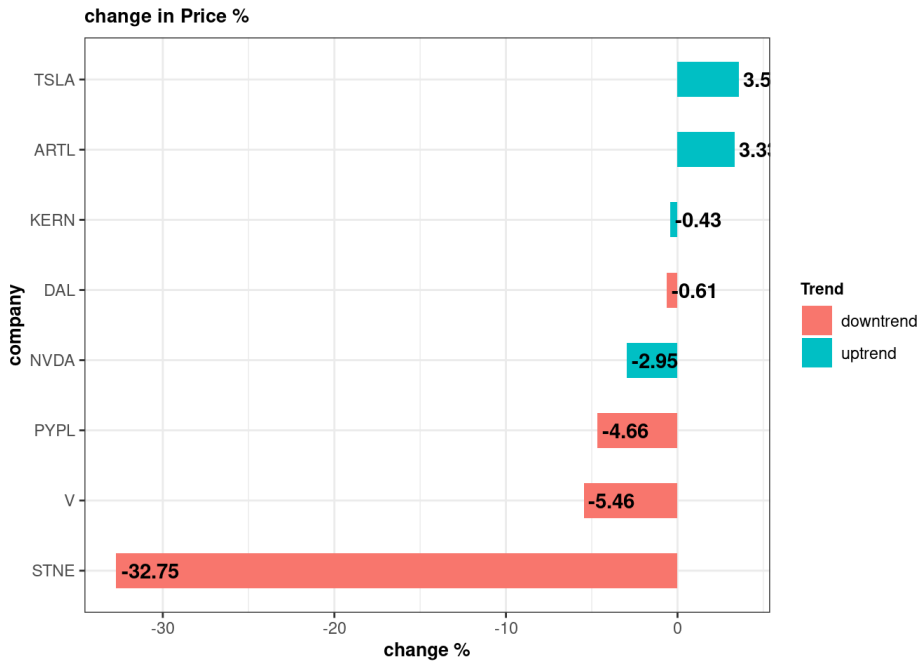

Insiders Buy - Sell by File Date TSLA
SharesChanged
1000000
0
-1000000
-2000000
FileDate
Code
S - Sale
P - Purchase

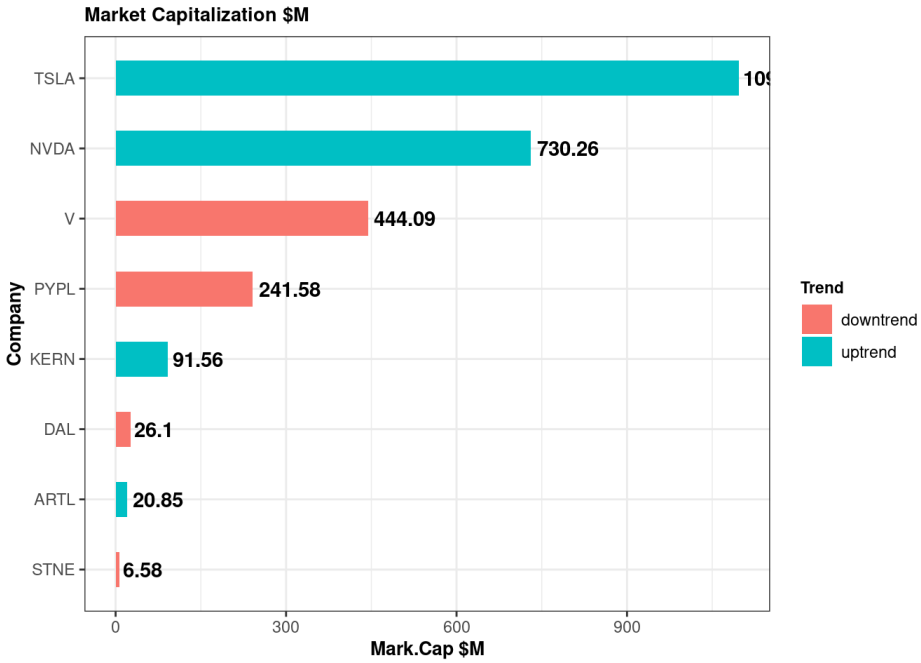

Insiders Buy - Sell by Trade Date TSLA
SharesChanged
1000000
0
-1000000
-2000000
TradeDate
Code
S - Sale
P - Purchase


Volume M
STNE
V
TSLA
NVDA
PYPL
DAL
ARTL
KERN
33
32.
28.2
27.47
19.94
7.21
4.18
1.06
company
0
10
20
30
volume M
Trend
downtrend
uptrend


Average Volume M
NVDA
TSLA
DAL
PYPL
V
ARTL
STNE
KERN
31.
23.52
10.97
10.62
8.51
7.45
4.01
1.33
company
0
10
20
30
avg.volume M
Trend
downtrend
uptrend

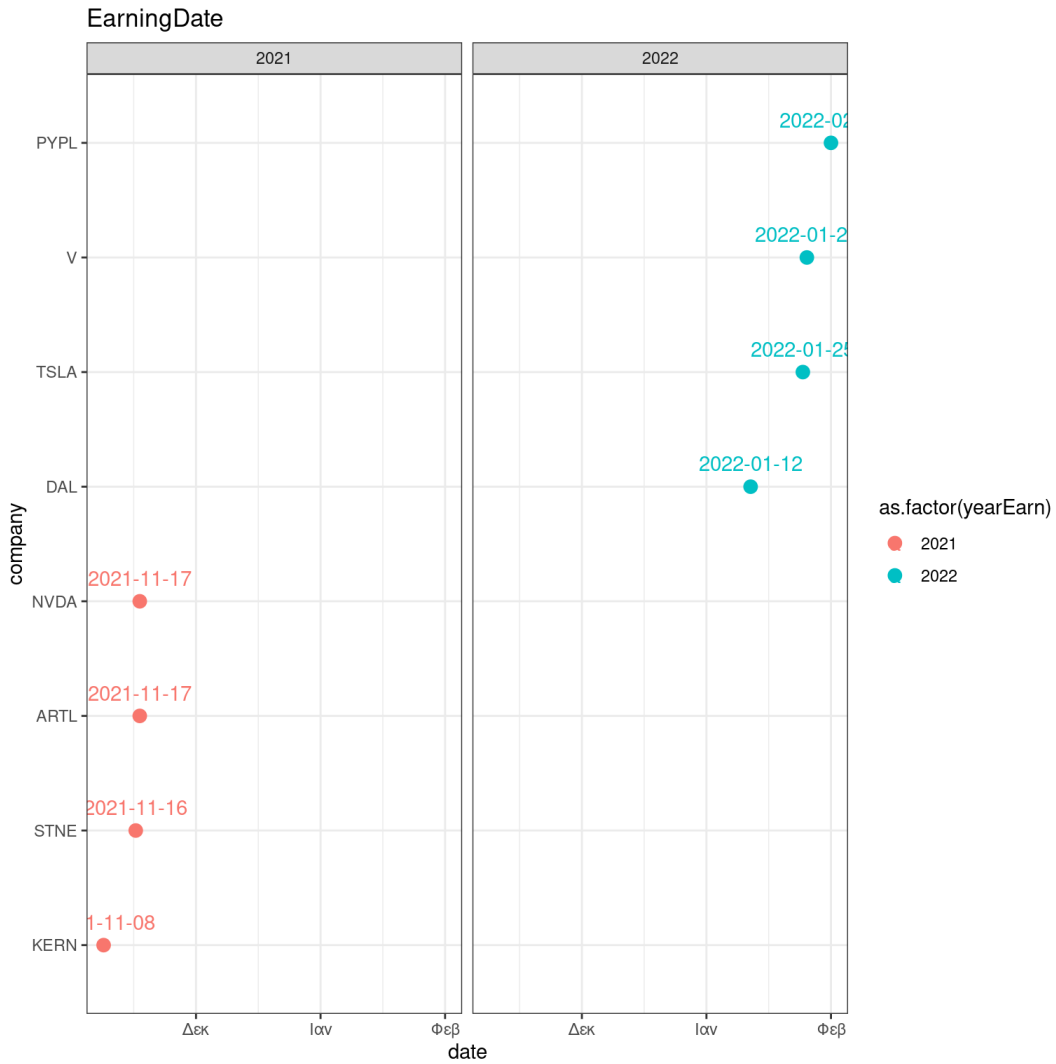

Current Price
TSLA
NVDA
PYPL
V
DAL
STNE
KERN
ARTL
293.11
205.61
203.44
40.79
21.29
2.987
0.8514
company
0
300
600
900
price $
Trend
downtrend
uptrend

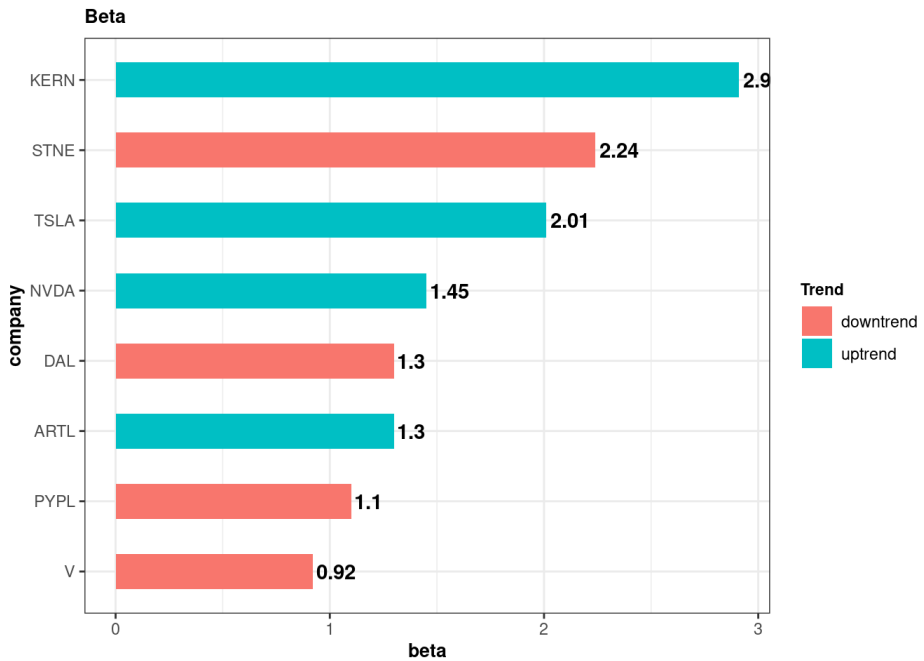





```
## earnings table - list
```

```
##   Company EarningDate
## 1    PYPL  2022-02-01
## 2       V  2022-01-26
## 3    TSLA  2022-01-25
## 4     DAL  2022-01-12
## 5    NVDA  2021-11-17
## 6    ARTL  2021-11-17
## 7    STNE  2021-11-16
## 8    KERN  2021-11-08
```

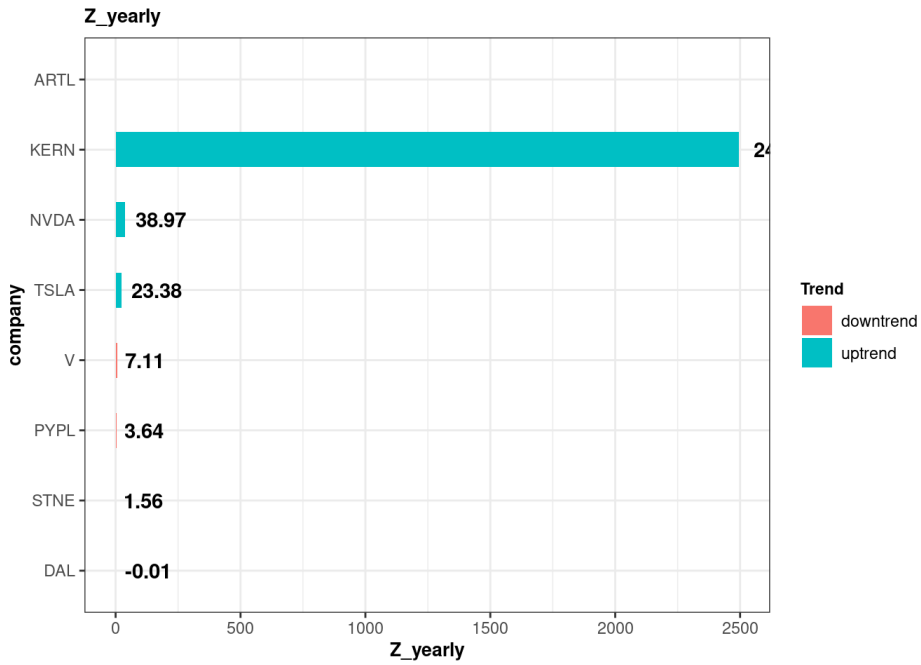


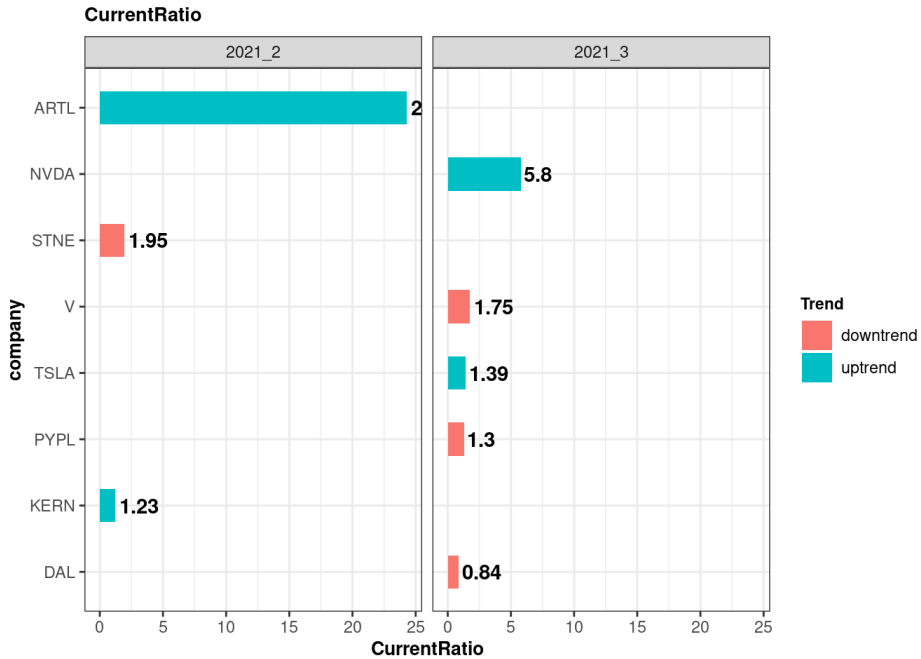


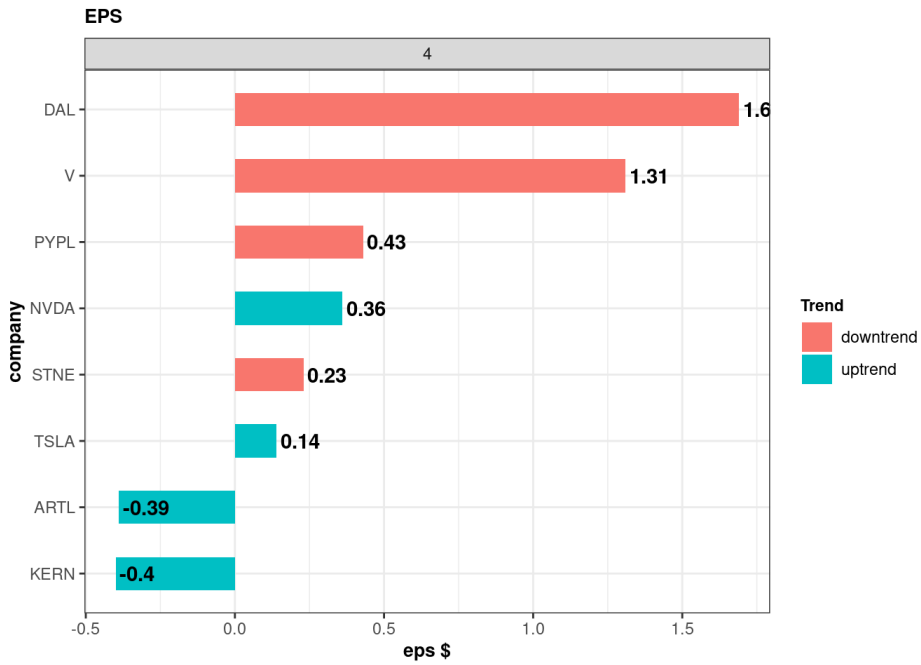
Z-Score = 1.2A + 1.4B + 3.3C + 0.6D + 1.0E

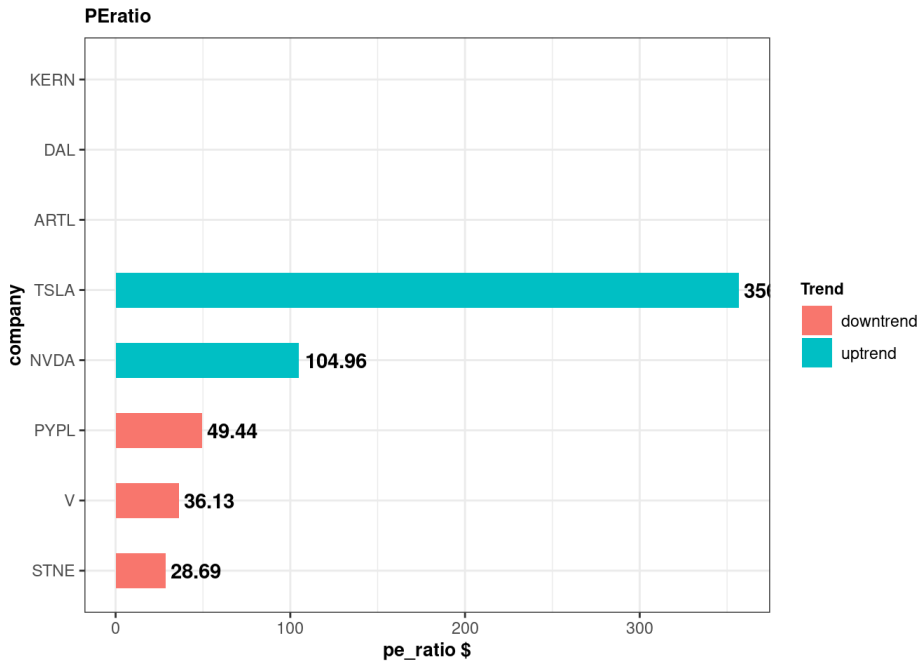
Where:

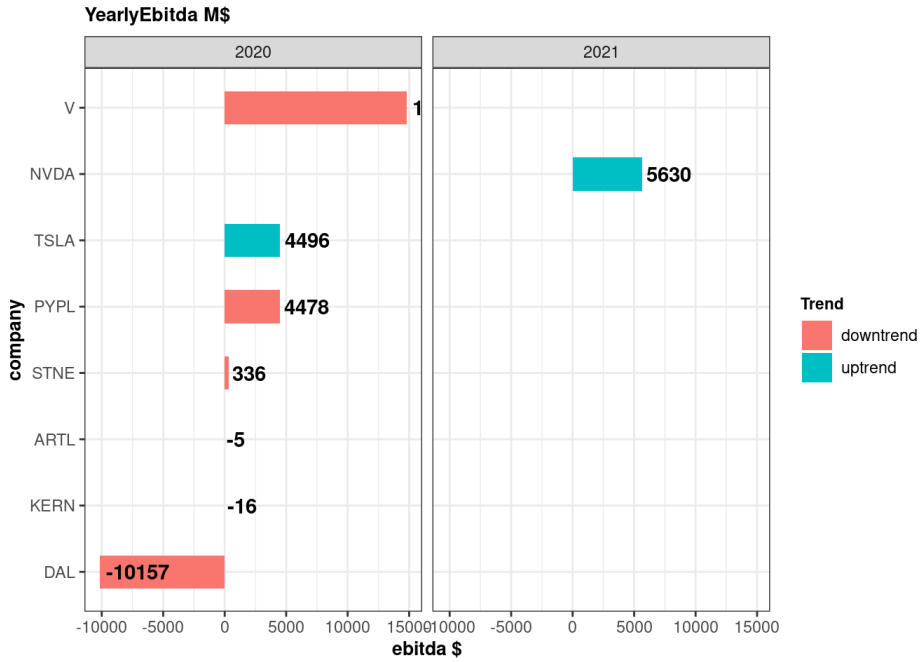
```
A = working capital / total assets
B = retained earnings / total assets
C = earnings before interest and tax / total assets
D = market value of equity / total liabilities
E = sales / total assets
```

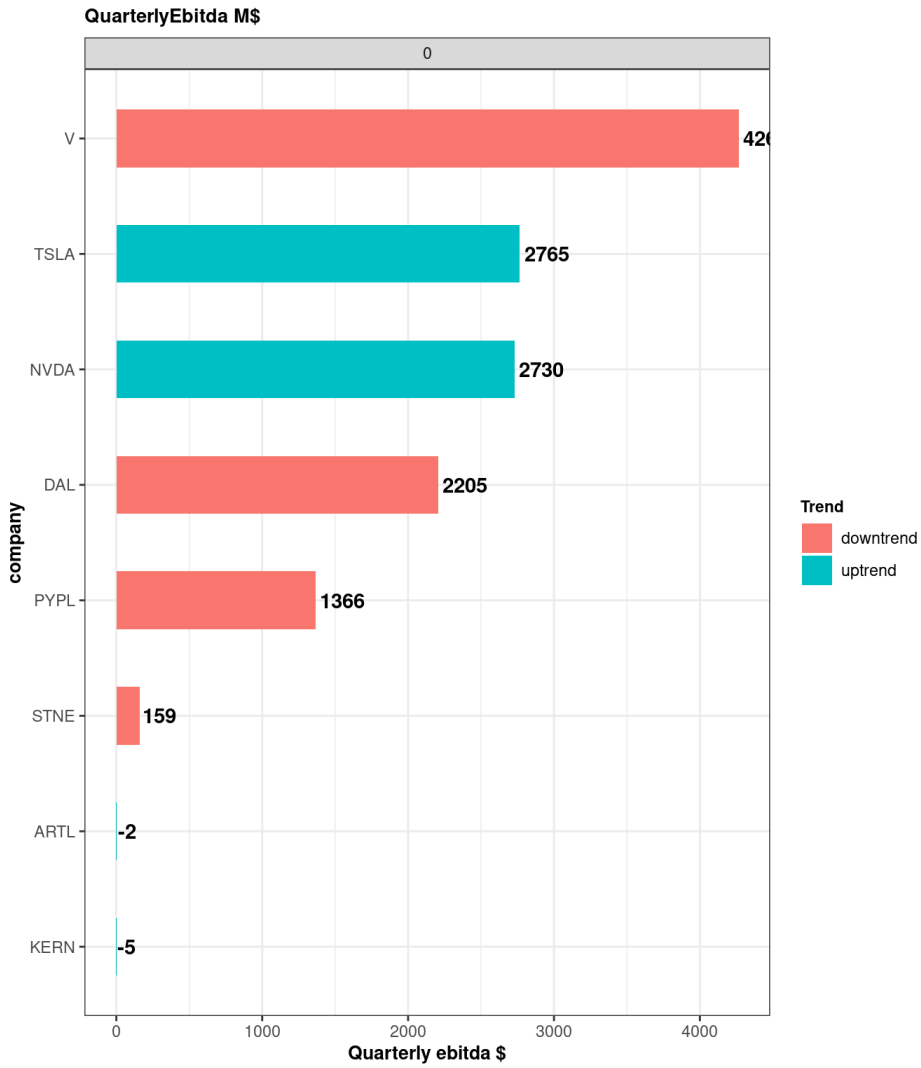

Z_yearly
ARTL
KERN
NVDA
TSLA
V
PYPL
STNE
DAL
company
38.97
23.38
7.11
3.64
1.56
-0.01
0
500
1000
1500
2000
2500
Z_yearly
Trend
downtrend
uptrend

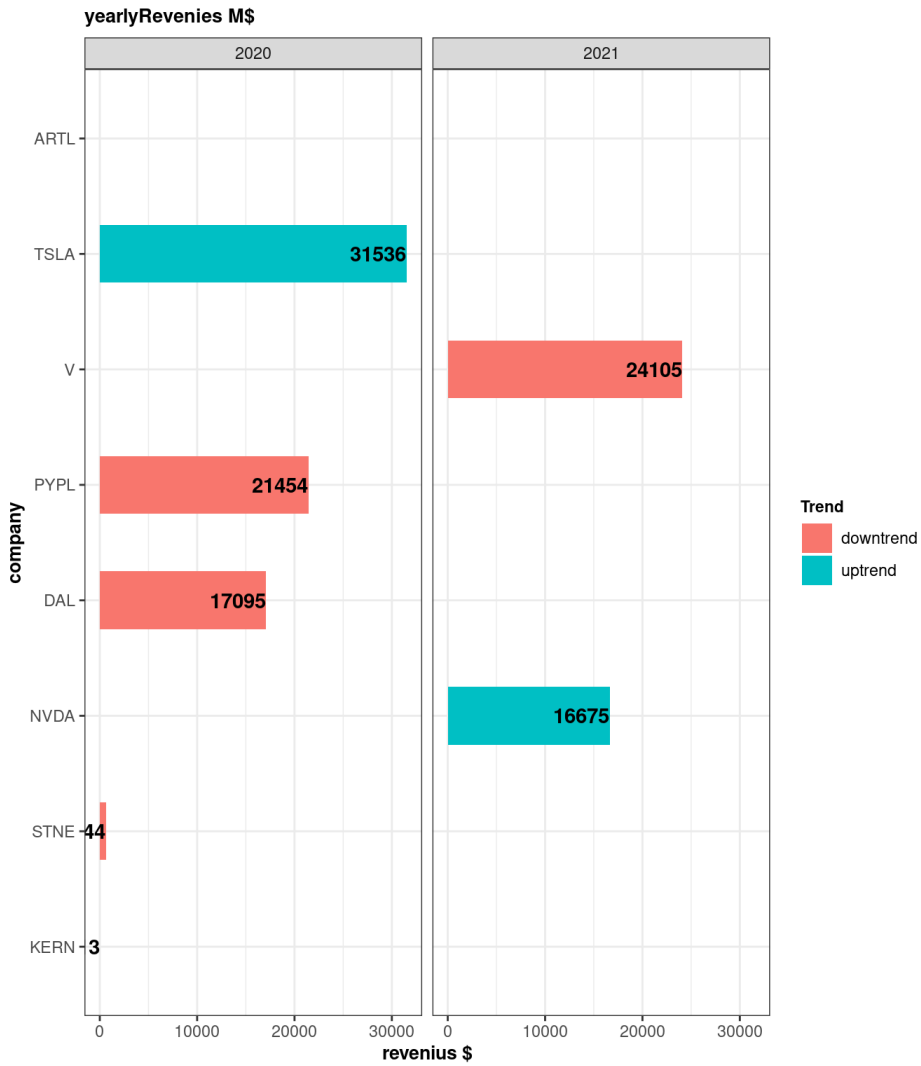

CurrentRatio
2021_2
2021_3
ARTL
NVDA
STNE
V
TSLA
PYPL
KERN
DAL
company
1.95
1.23
5.8
1.75
1.39
1.3
0.84
0
5
10
15
20
25
CurrentRatio
Trend
downtrend
uptrend

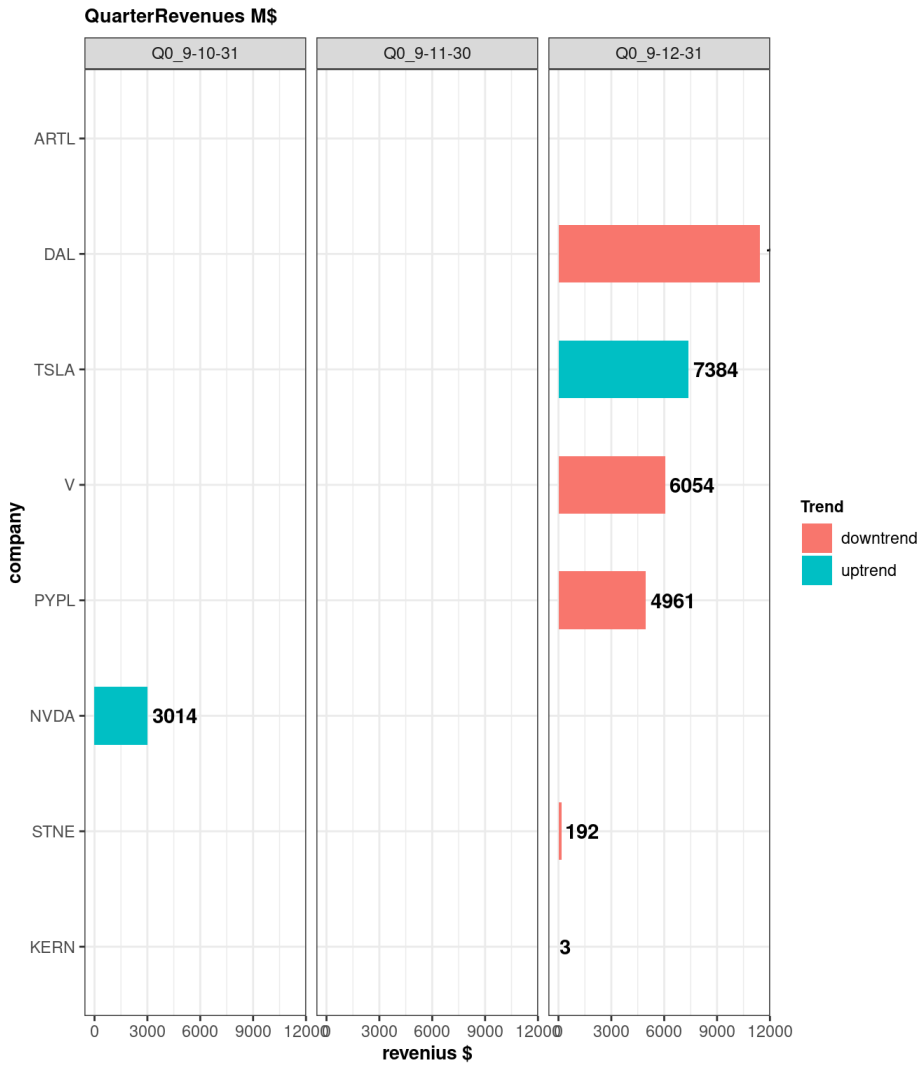

EPS
4
DAL
V
PYPL
NVDA
STNE
TSLA
ARTL
KERN
company
1.31
0.43
0.36
0.23
0.14
-0.39
-0.4
-0.5
0.0
0.5
1.0
1.5
eps $
Trend
downtrend
uptrend


PEratio
KERN
DAL
ARTL
TSLA
NVDA
PYPL
V
STNE
company
104.96
49.44
36.13
28.69
0
100
200
300
pe_ratio $
Trend
downtrend
uptrend

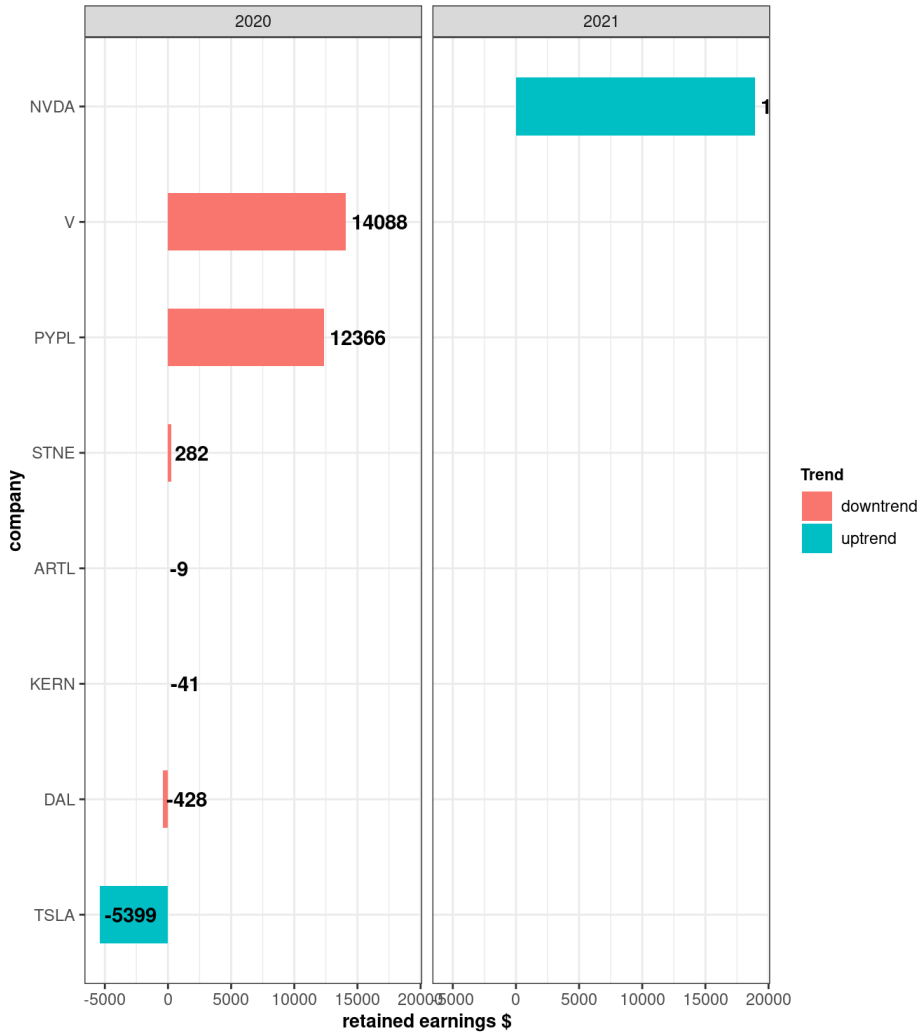

YearlyEbitda M$
2020
2021
V
NVDA
TSLA
PYPL
STNE
ARTL
KERN
DAL
company
5630
4496
4478
336
-5
-16
-10157
-10000
-5000
0
5000
10000
15000
ebitda $
Trend
downtrend
uptrend


QuarterlyEbitda M$
0
V
TSLA
NVDA
DAL
PYPL
STNE
ARTL
KERN
company
2765
2730
2205
1366
159
-2
-5
0
1000
2000
3000
4000
Quarterly ebitda $
Trend
downtrend
uptrend

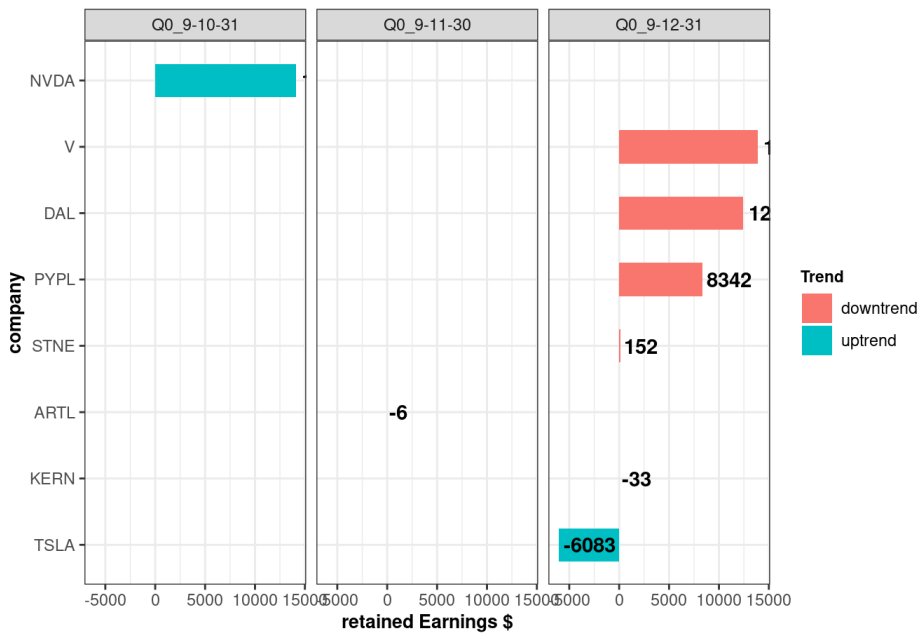

yearlyRevenies M$
2020
2021
ARTL
TSLA
V
PYPL
DAL
NVDA
STNE
KERN
company
31536
24105
21454
17095
16675
44
3
0
10000
20000
30000
revenius $
Trend
downtrend
uptrend

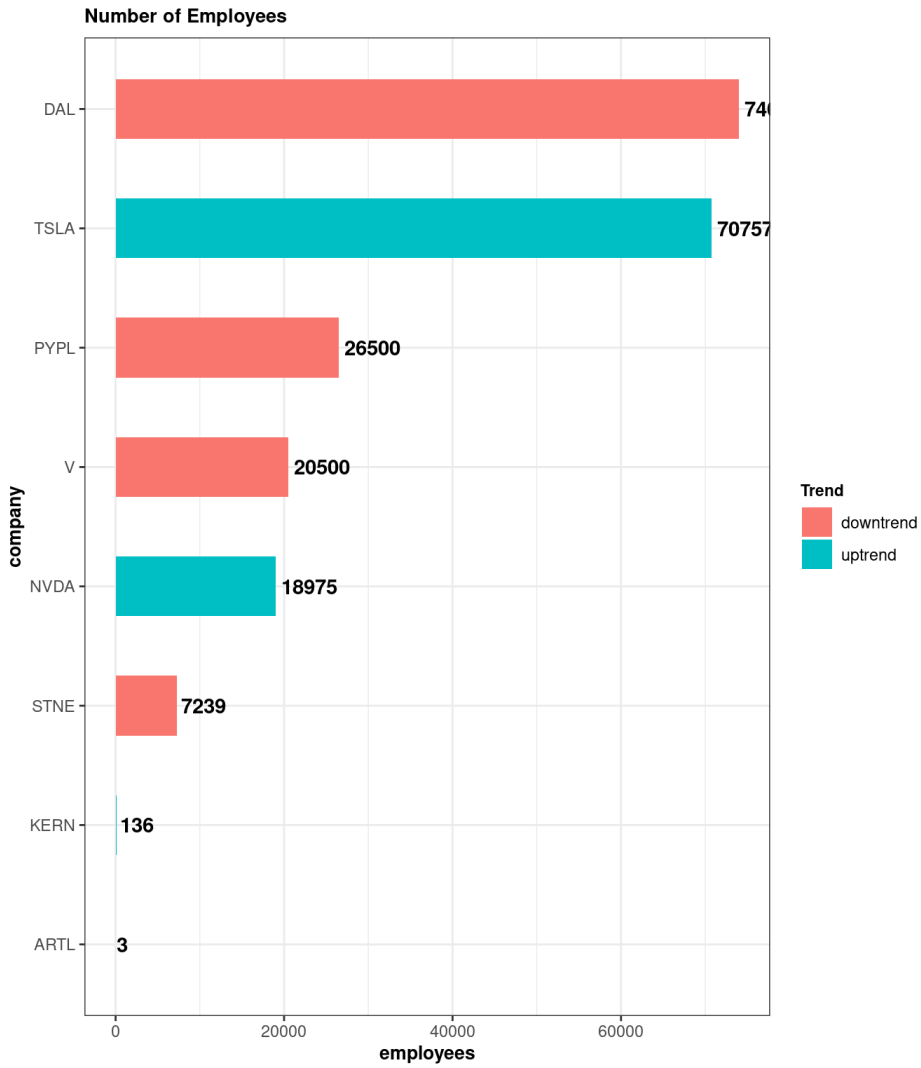

QuarterRevenues M$
Q0_9-10-31
Q0_9-11-30
Q0_9-12-31
ARTL
DAL
TSLA
V
PYPL
NVDA
STNE
KERN
company
3014
7384
6054
4961
192
3
0
3000
6000
9000
12000
revenius $
Trend
downtrend
uptrend

YearlyRetainedEarnings M$



QuarterRetaindErns M$




Number of Employees
DAL
TSLA
PYPL
V
NVDA
STNE
KERN
ARTL
company
74
70757
26500
20500
18975
7239
136
3
0
20000
40000
60000
employees
Trend
downtrend
uptrend