

Stock Benchmark

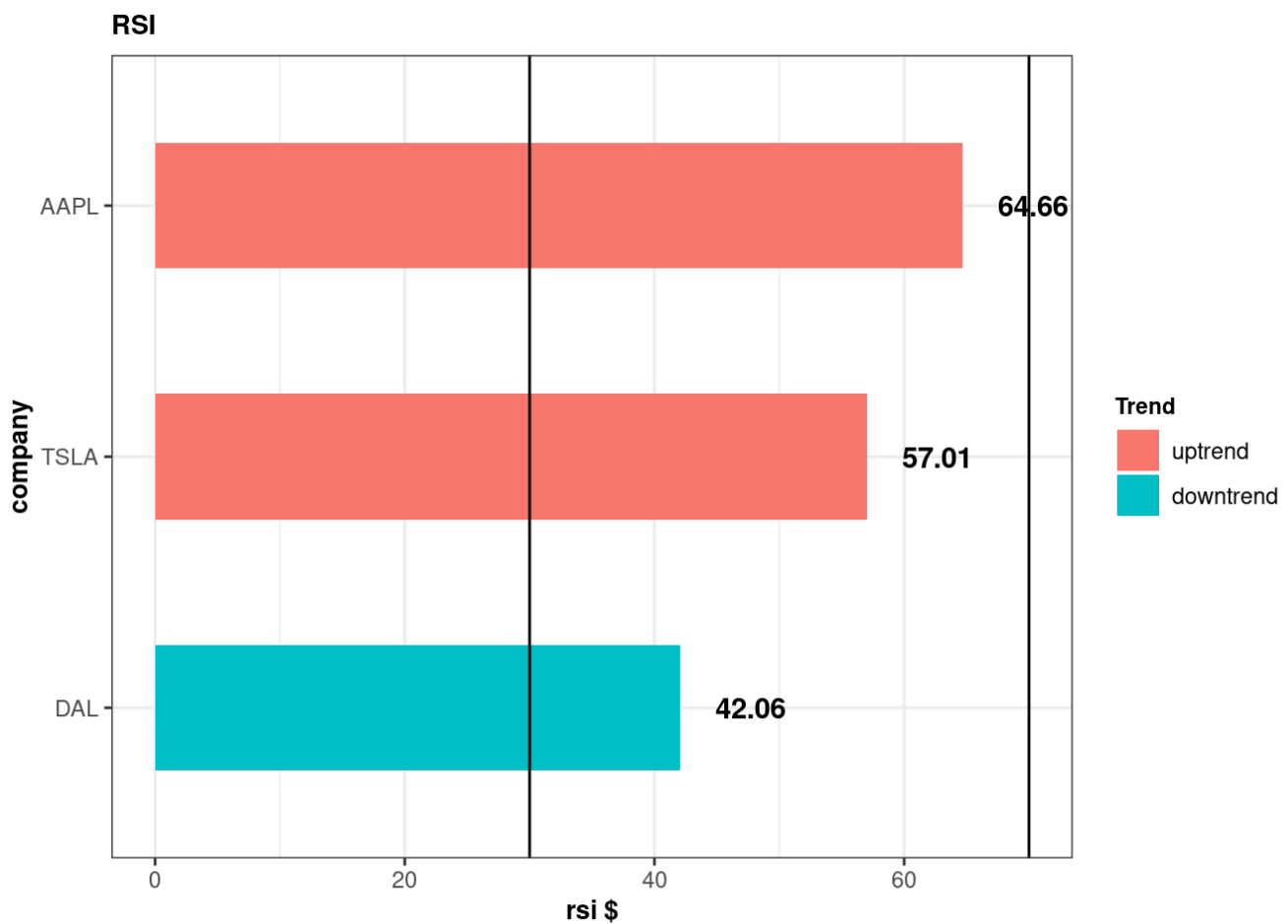
Giorgos Anastasakos

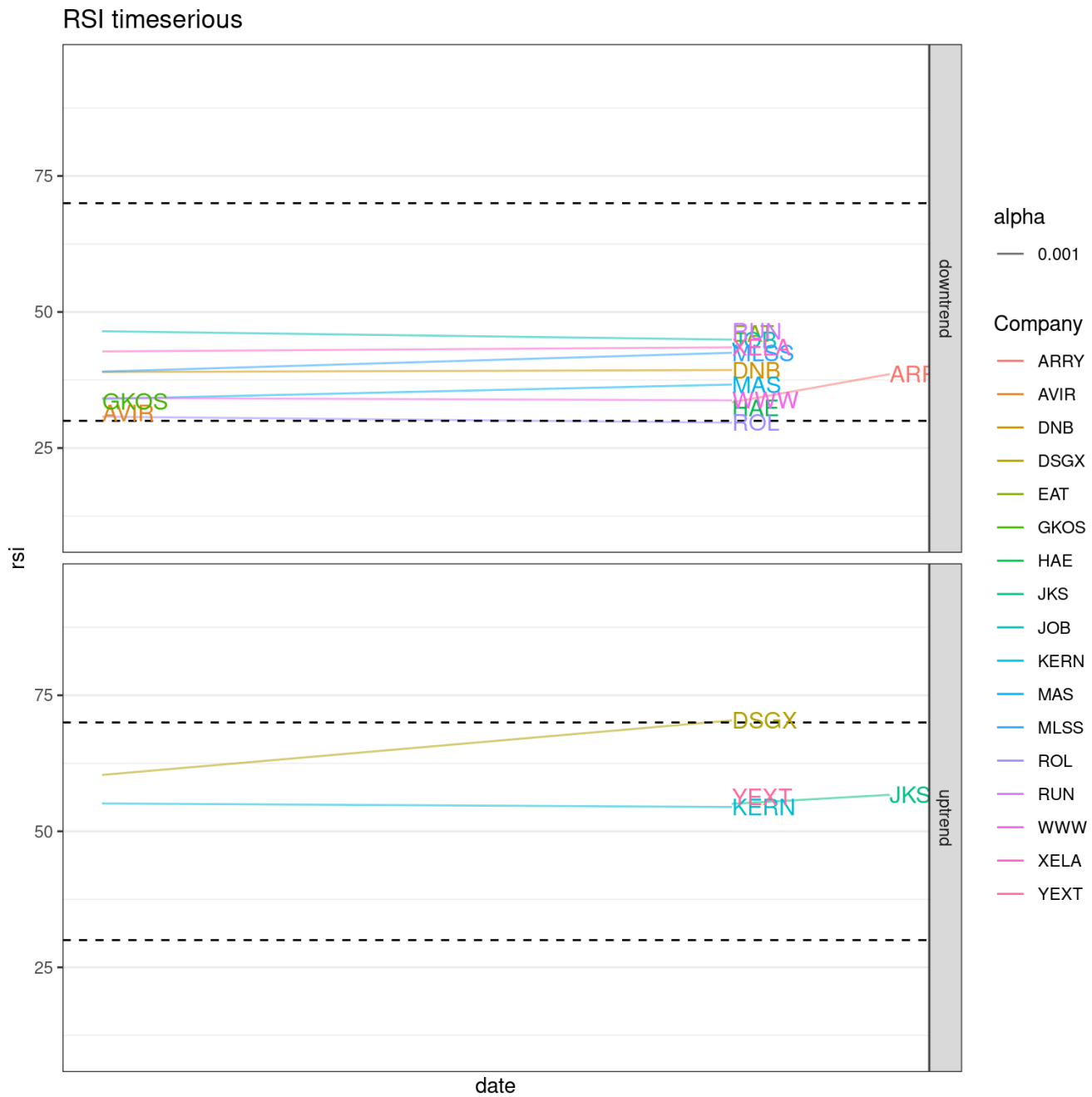
```
## [1] "2021-11-17 20:46:58 EET"
```

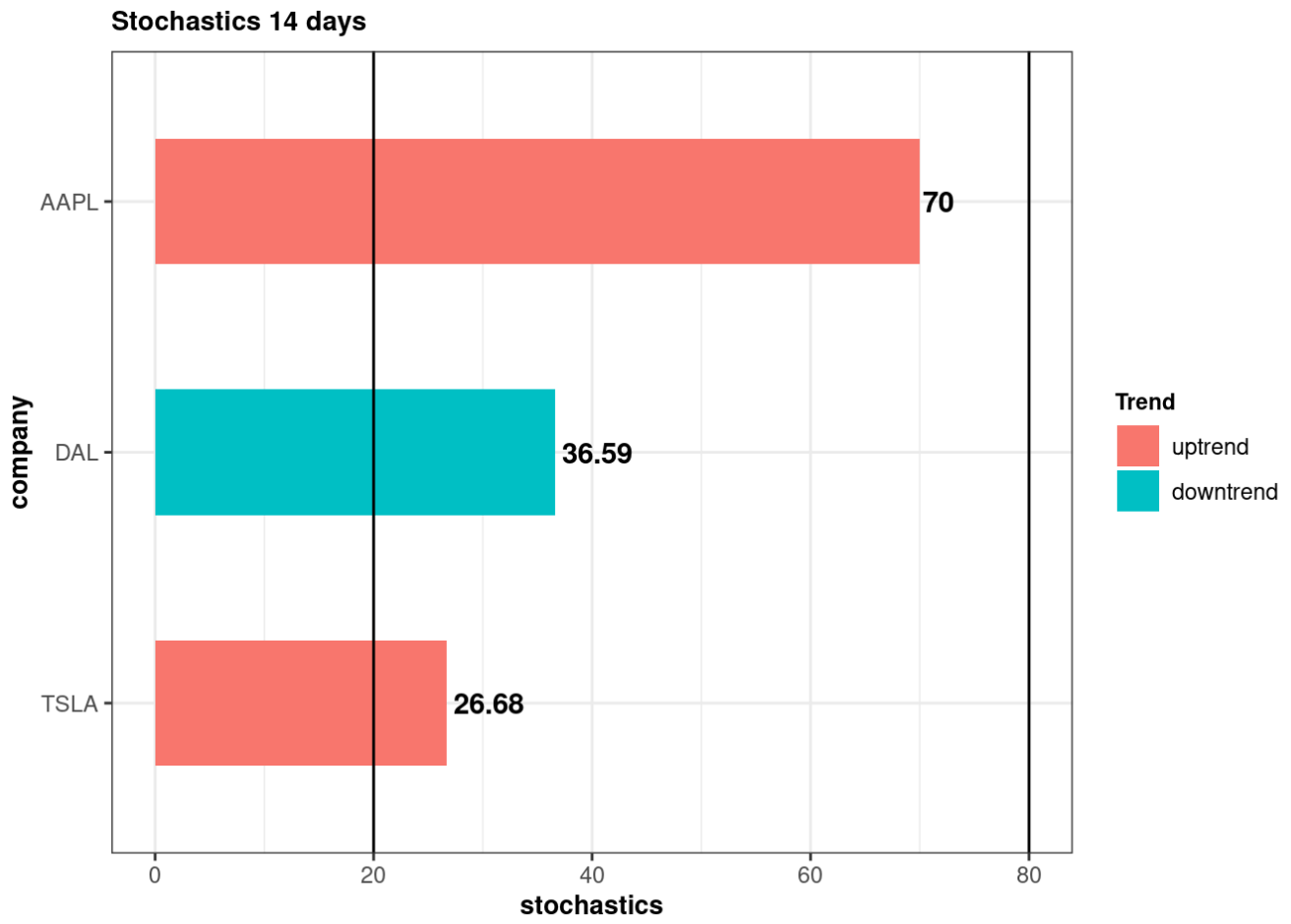
```
## noNotes
```

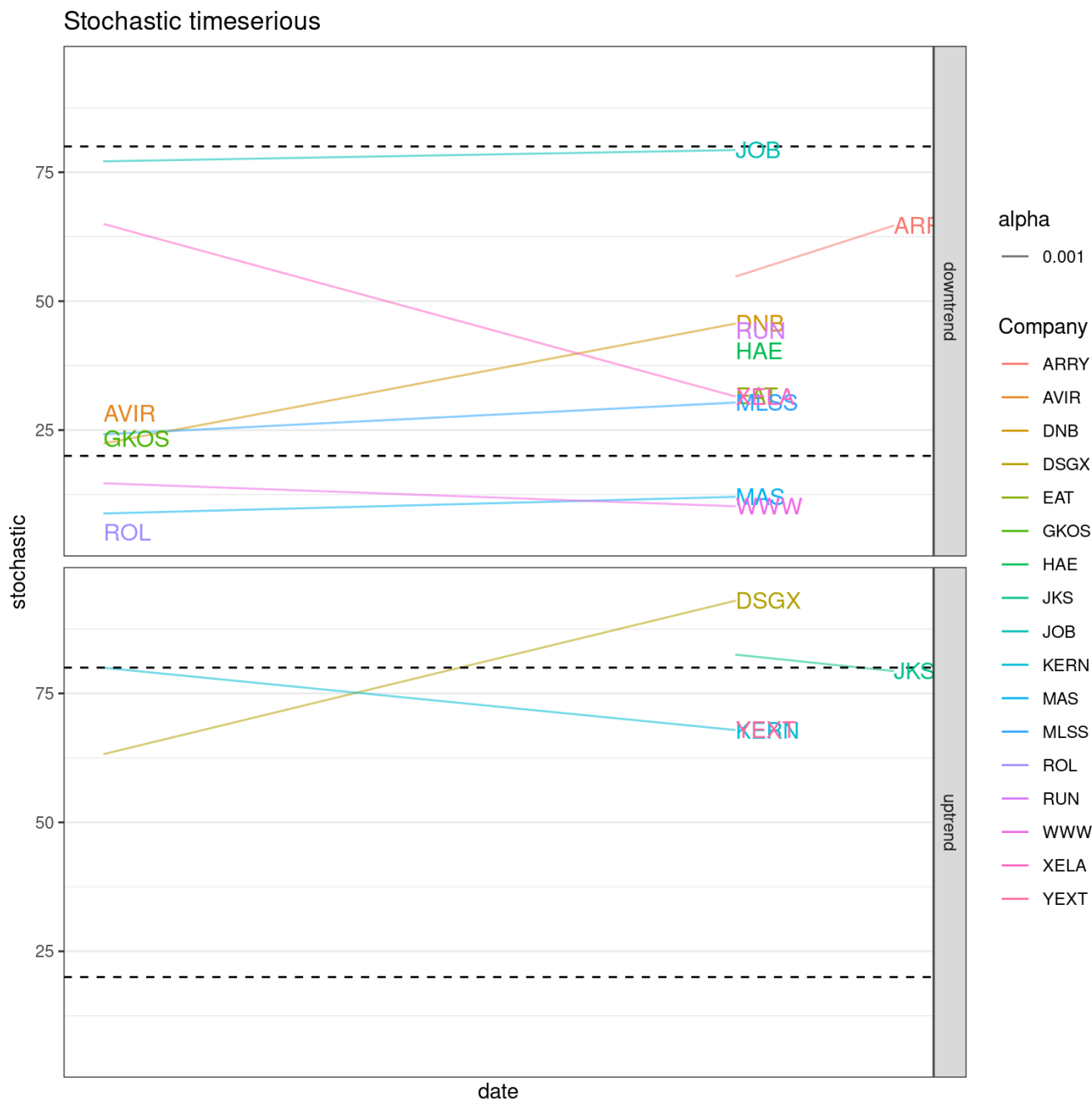
```
## [1] "no: 1 -----gia tin etairia----- AAPL"
## [1] "no: 2 -----gia tin etairia----- TSLA"
## [1] "no: 3 -----gia tin etairia----- DAL"
```

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





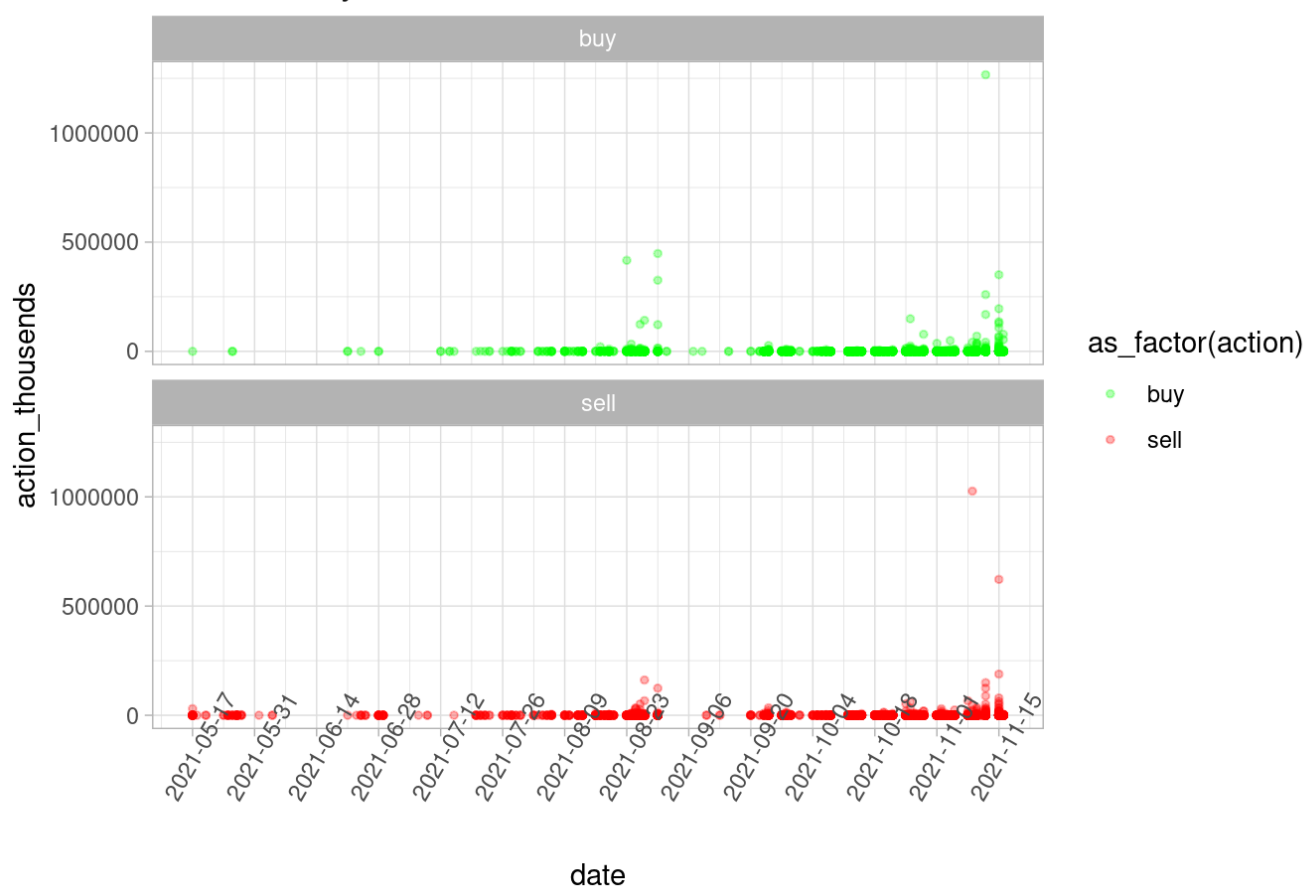




Institutes BUY-SELL

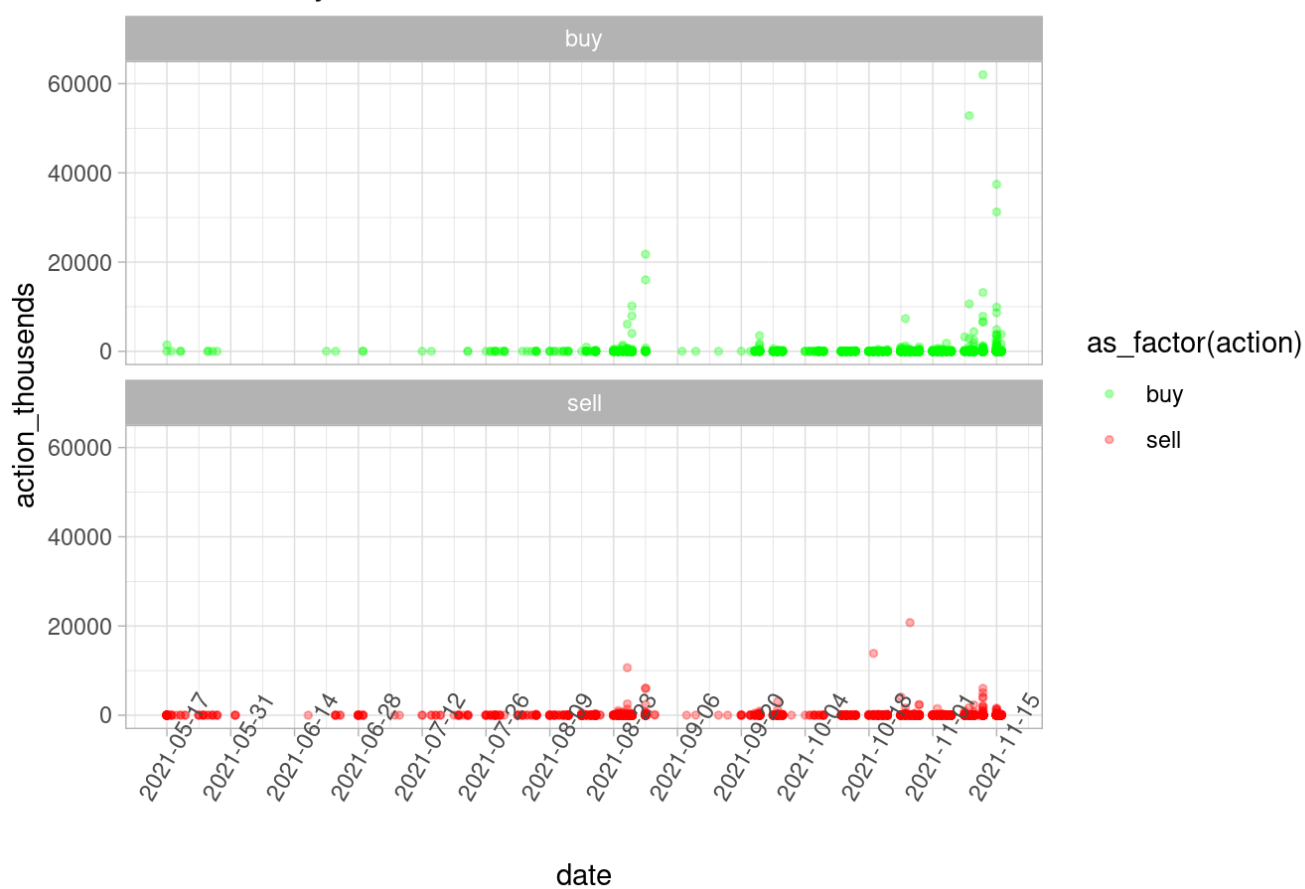
```
## chr [1:3179] "Shares" "" "147,301" "33,966" "124,100" "485,156" "115,833" ...
## num [1:3179] NA NA 147301 33966 124100 ...
```

Institutes buy-sell AAPL

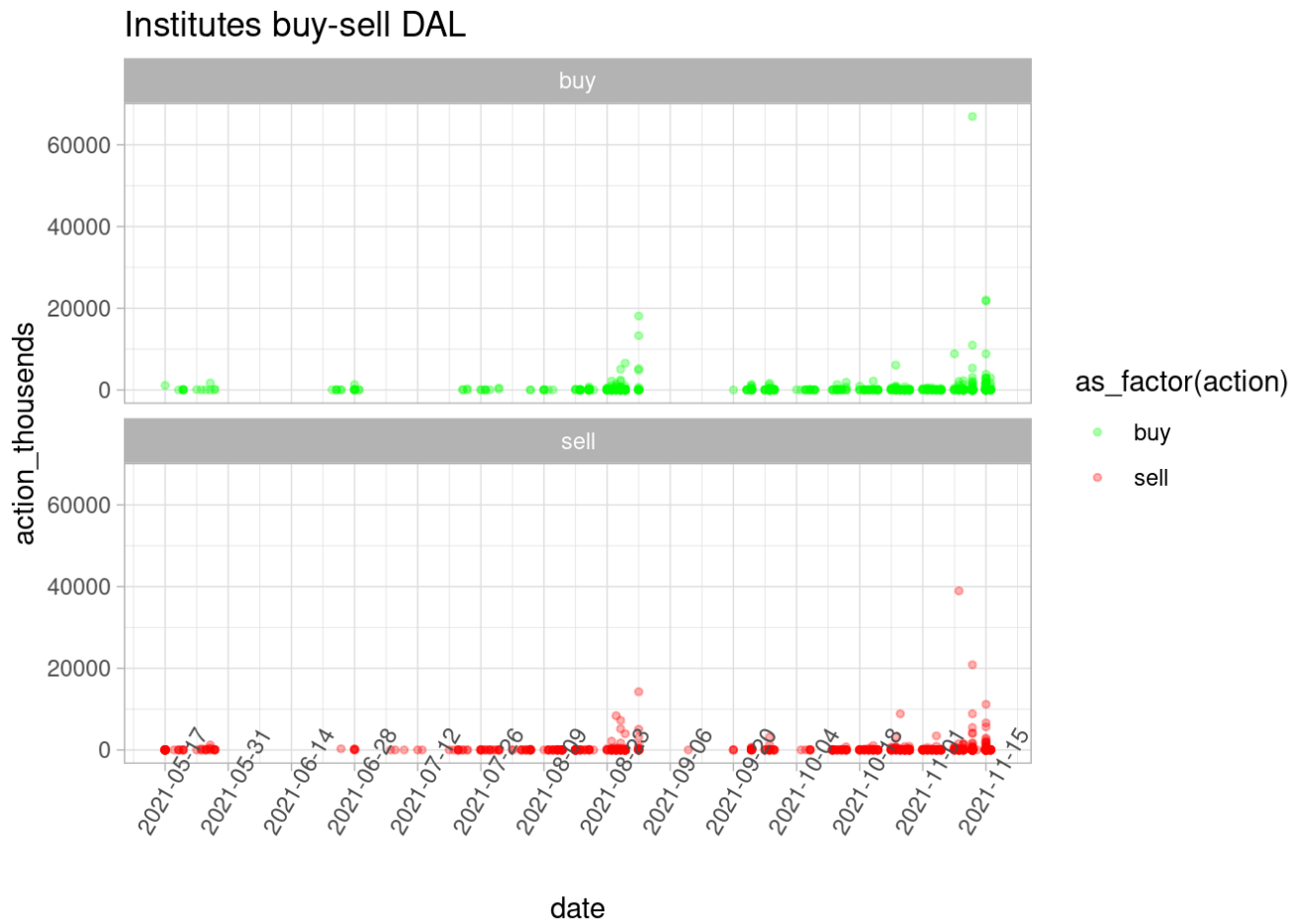


```
## chr [1:1601] "Shares" "41,296" "14,595" "25,741" "2,055" "706" "6,483" "0" ...
## num [1:1601] NA 41296 14595 25741 2055 ...
```

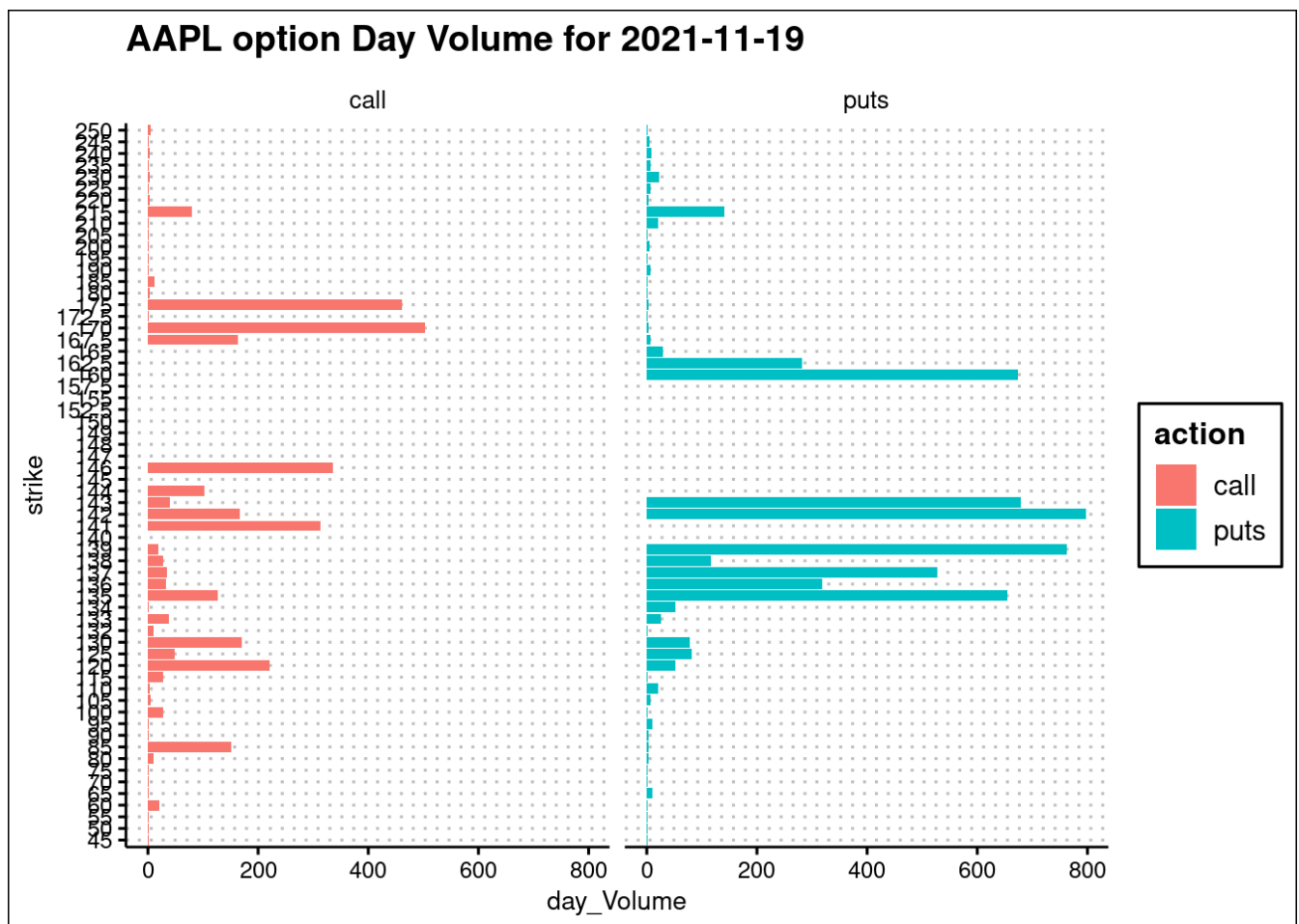
Institutes buy-sell TSLA



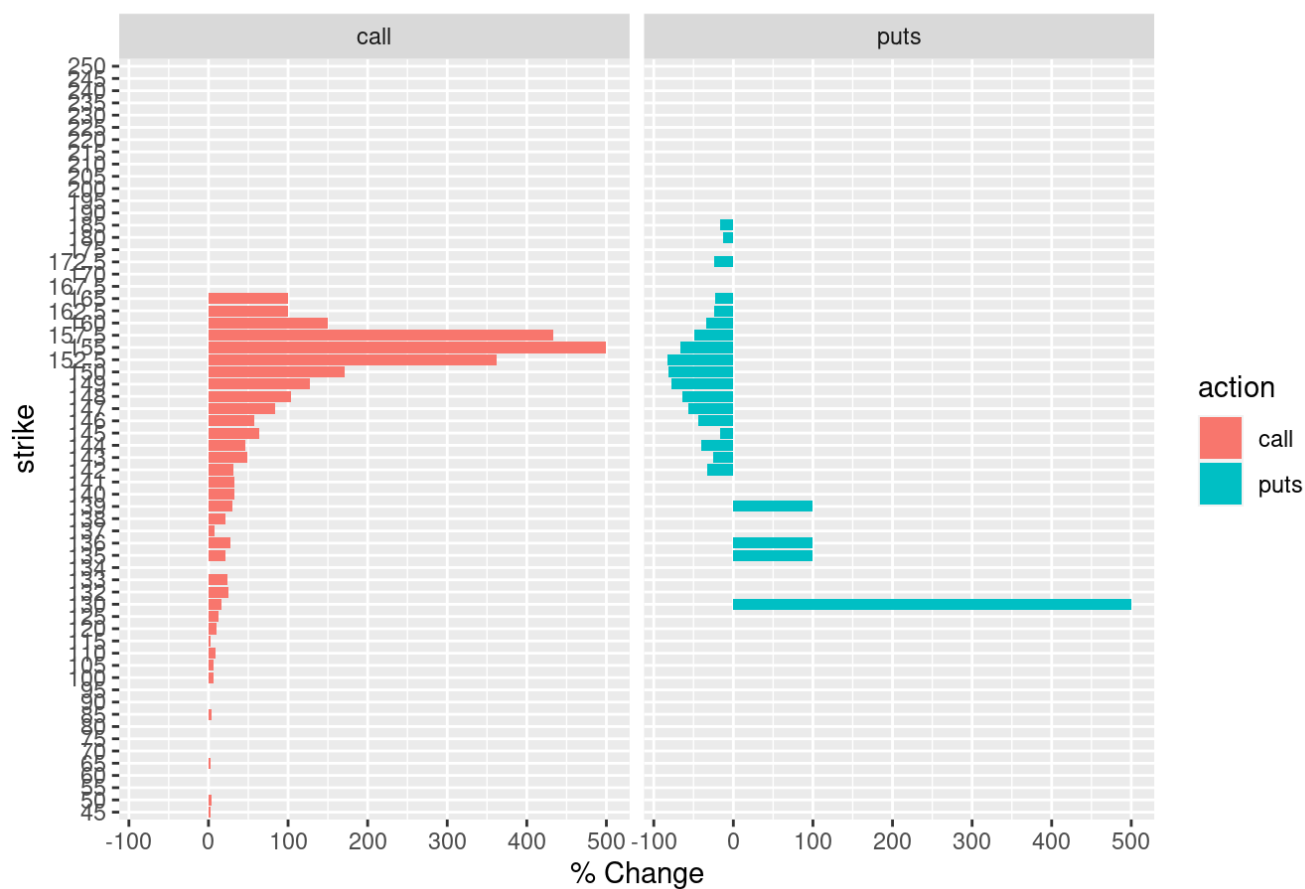
```
## chr [1:864] "Shares" "0" "219,754" "0" "0" "6,519" "20,000" "57,183" ...
## num [1:864] NA 0 219754 0 0 ...
```



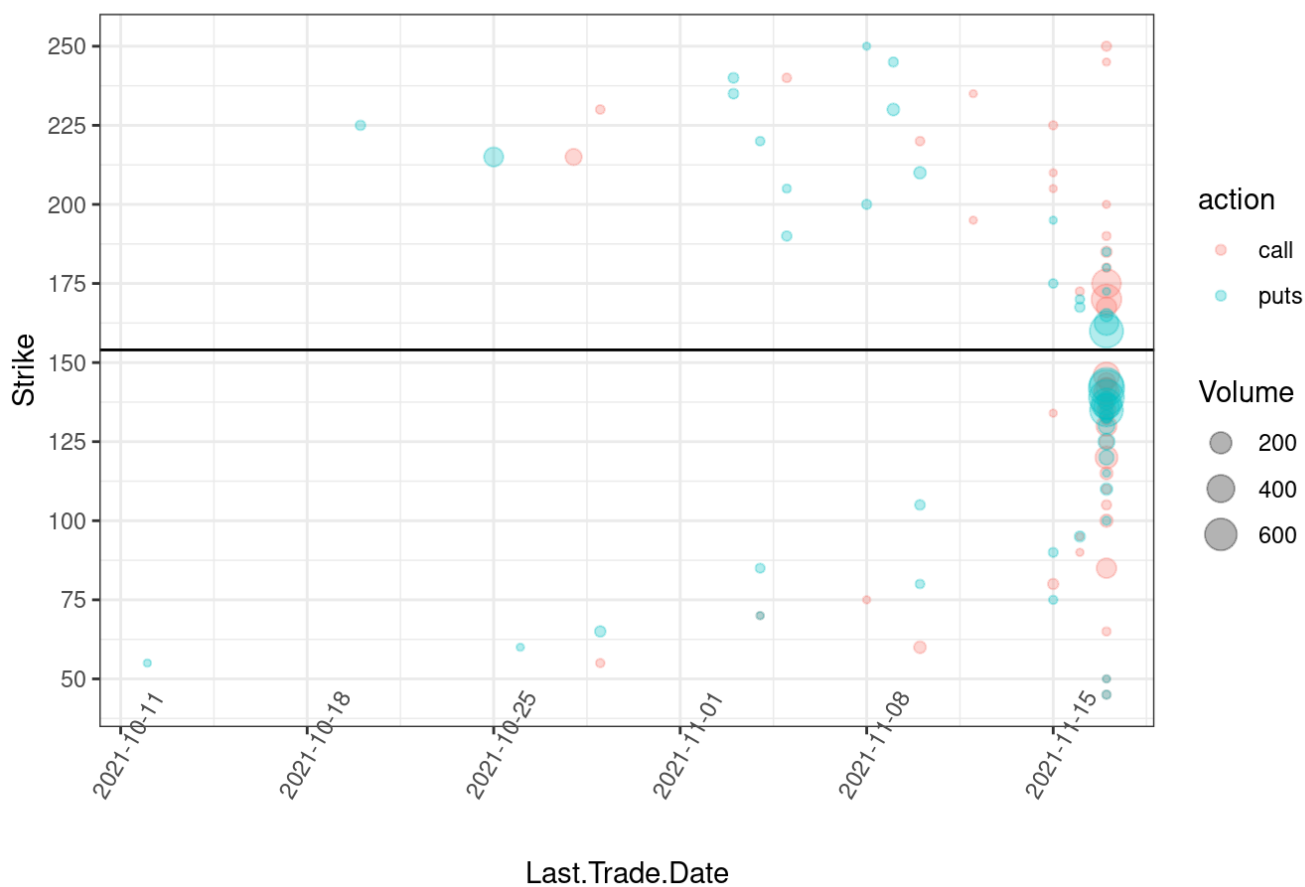
Options Analysis

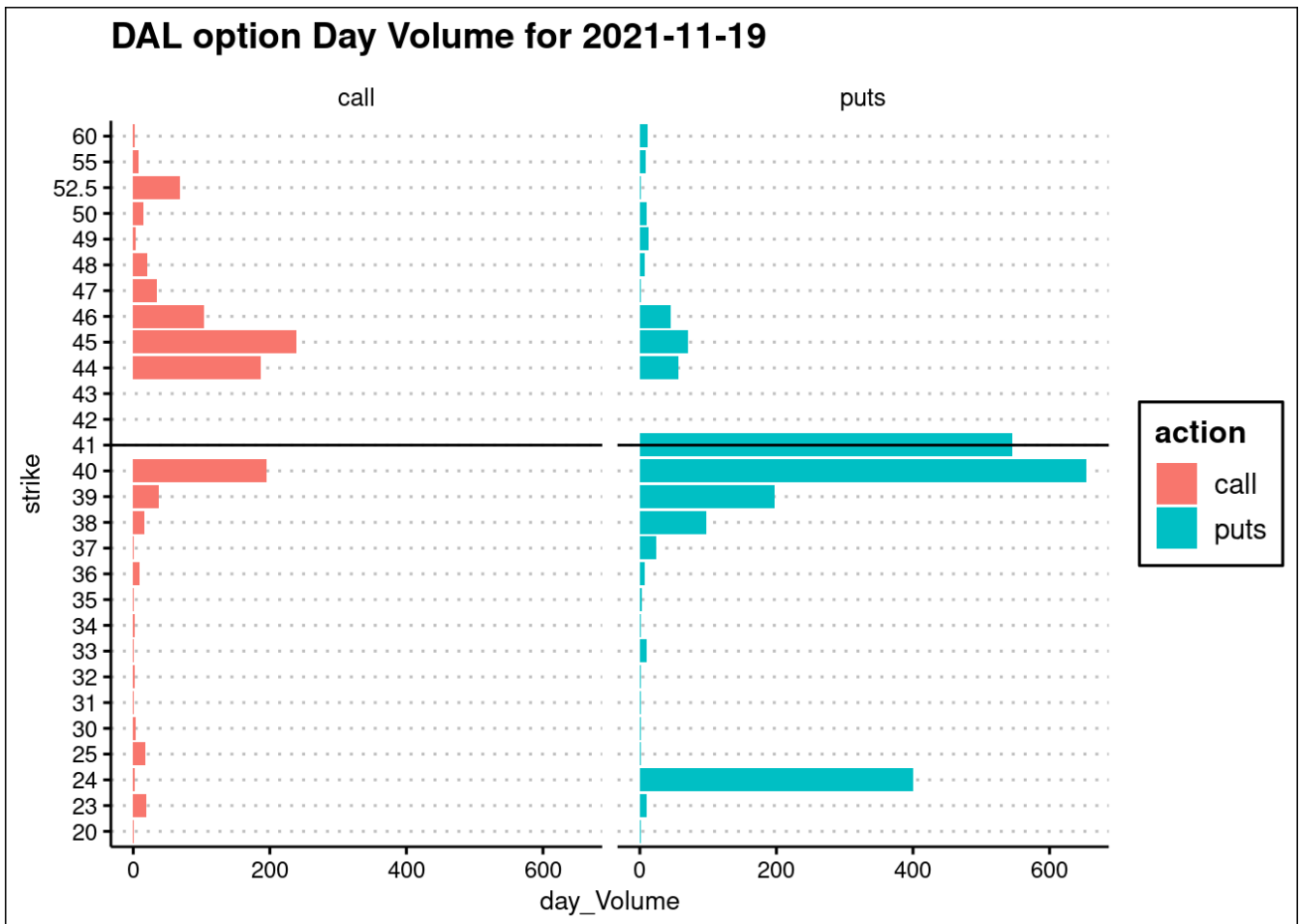
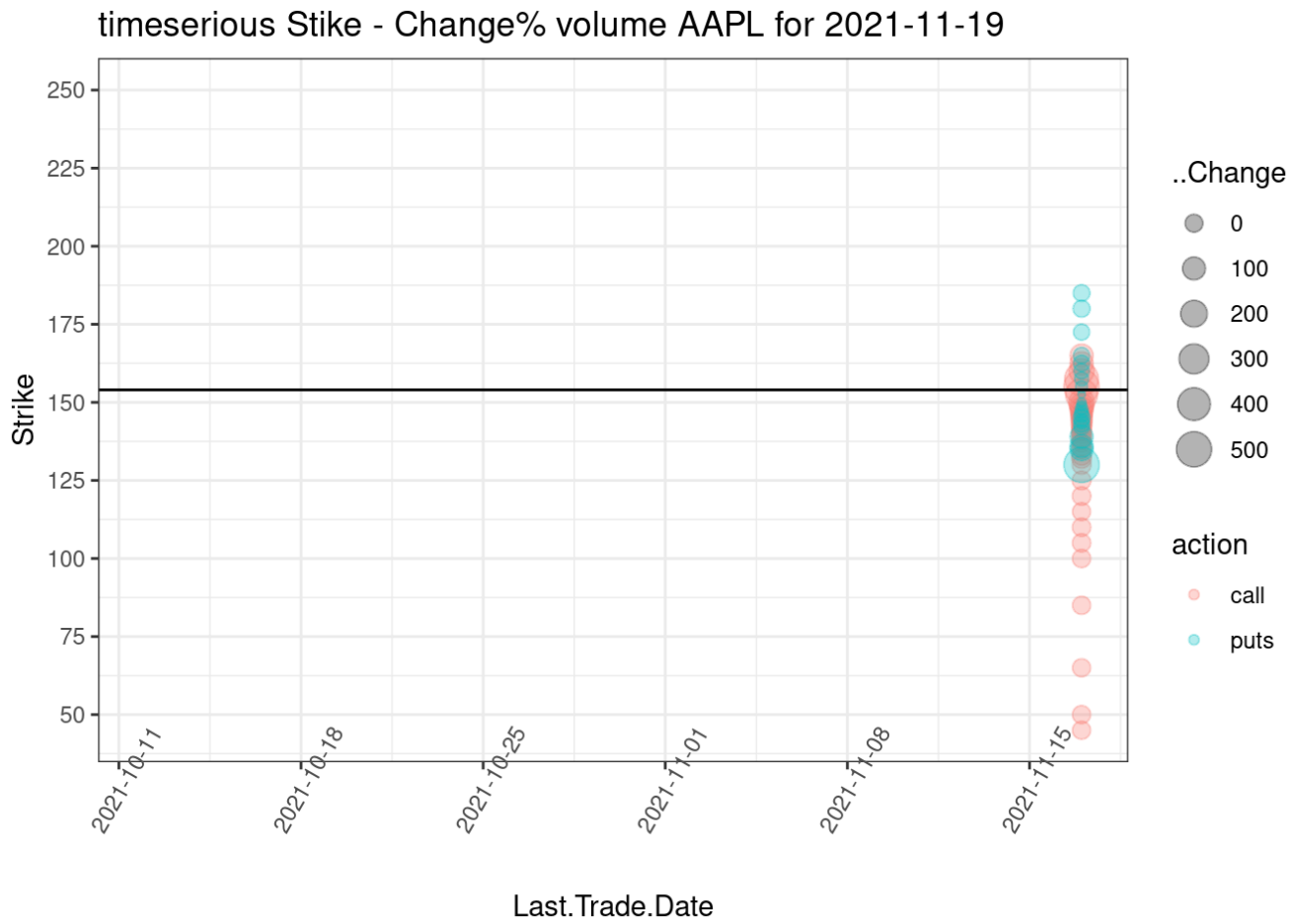


AAPL option Volume % Change for 2021-11-19

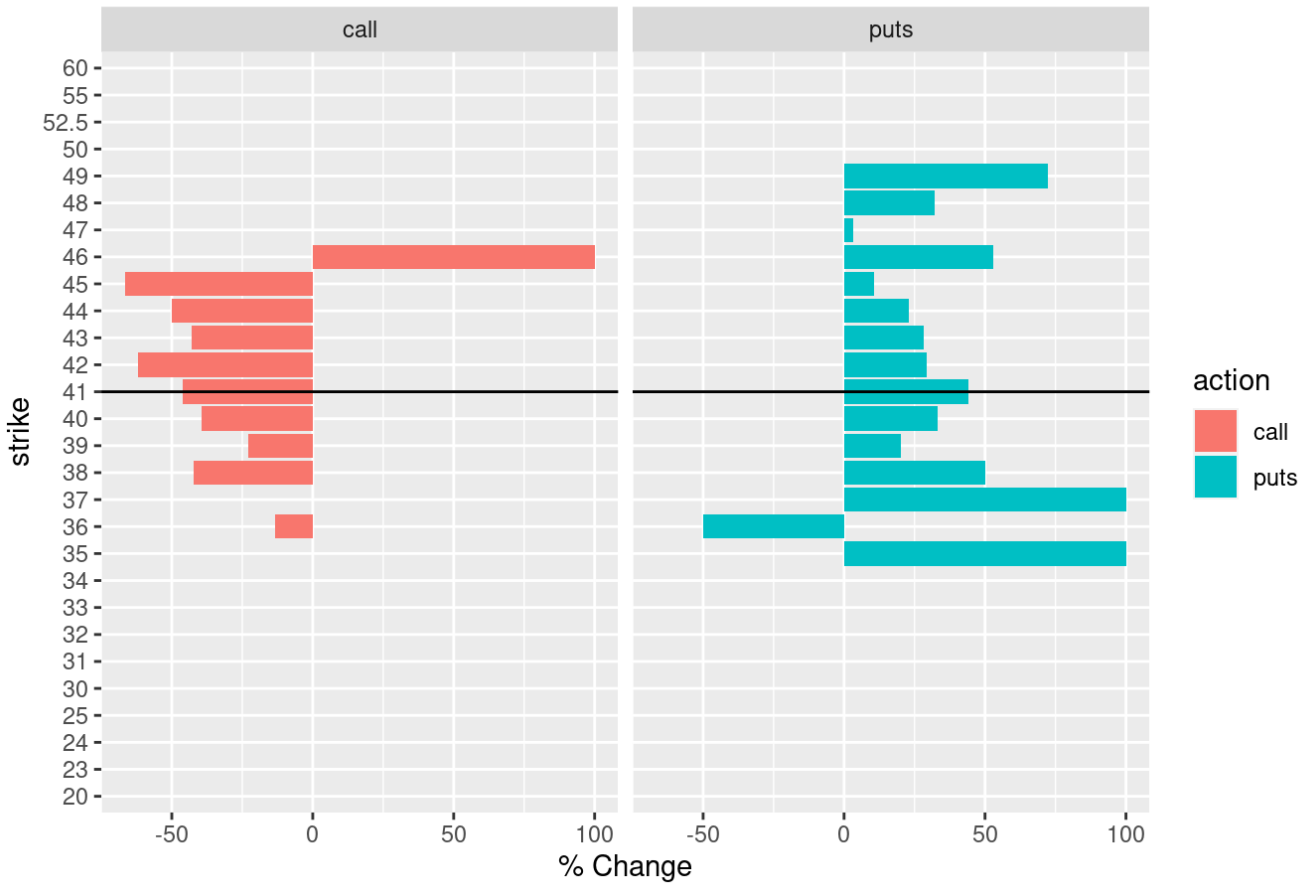


timeserious Stike - DayVolume AAPL for 2021-11-19

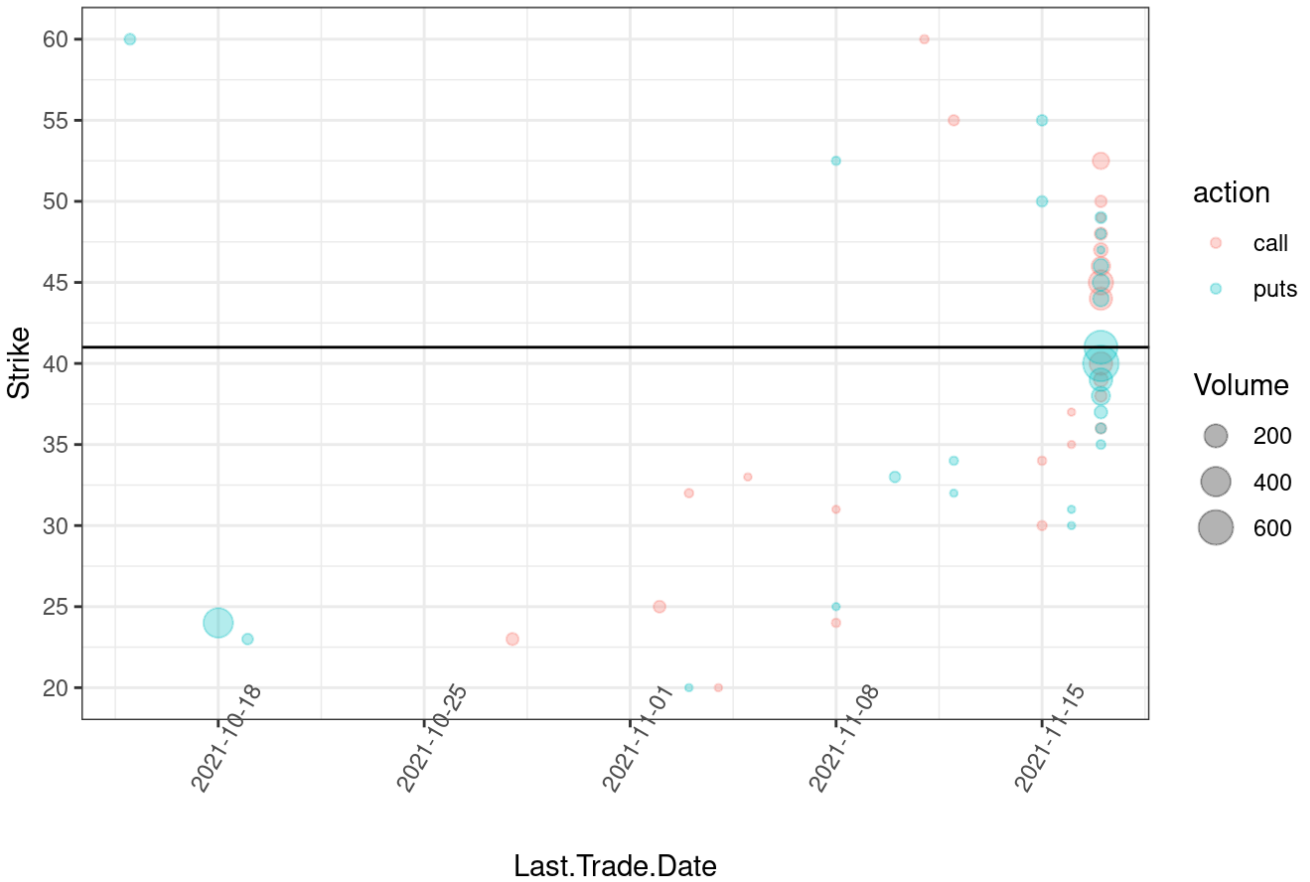


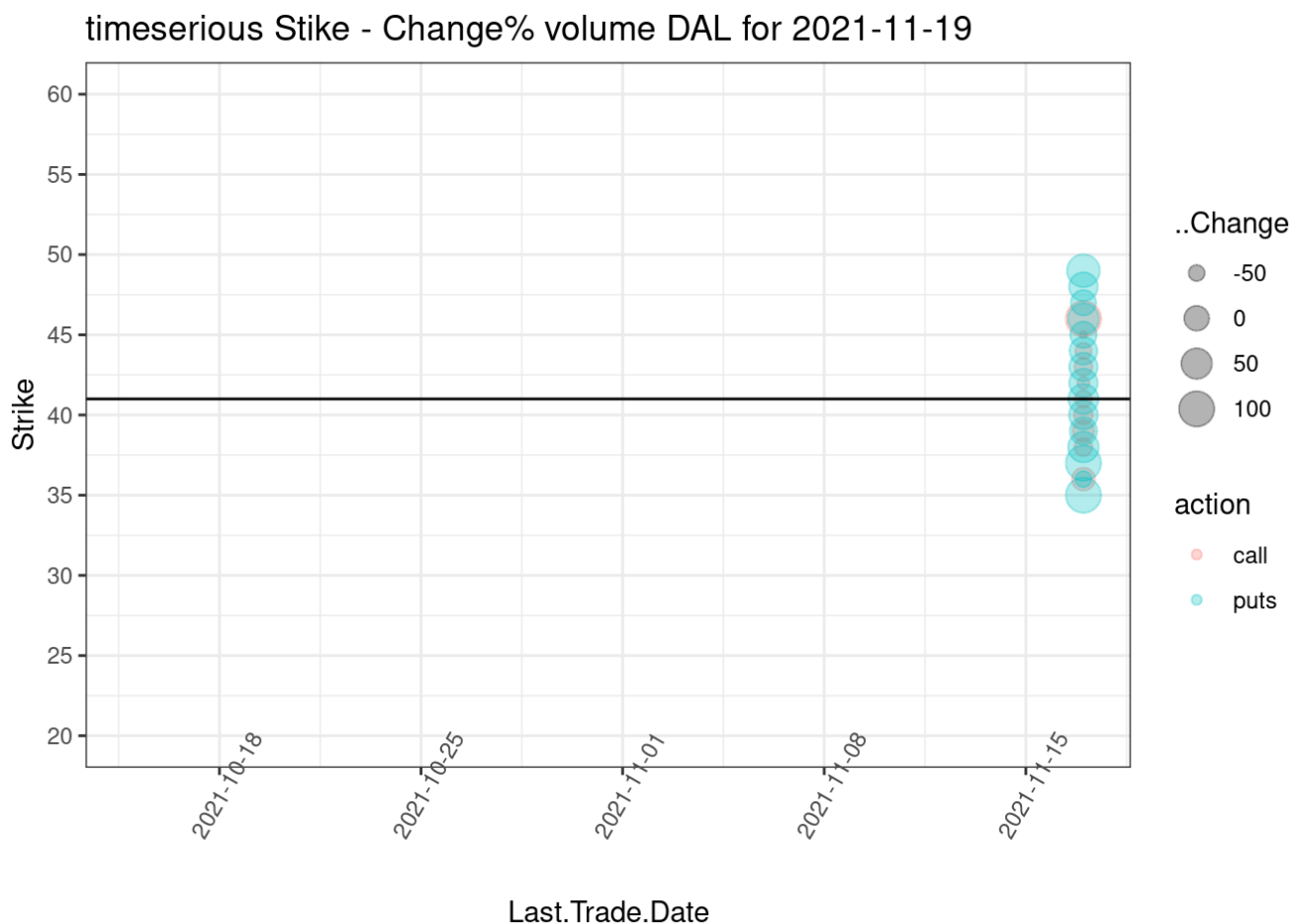


DAL option Volume % Change for 2021-11-19

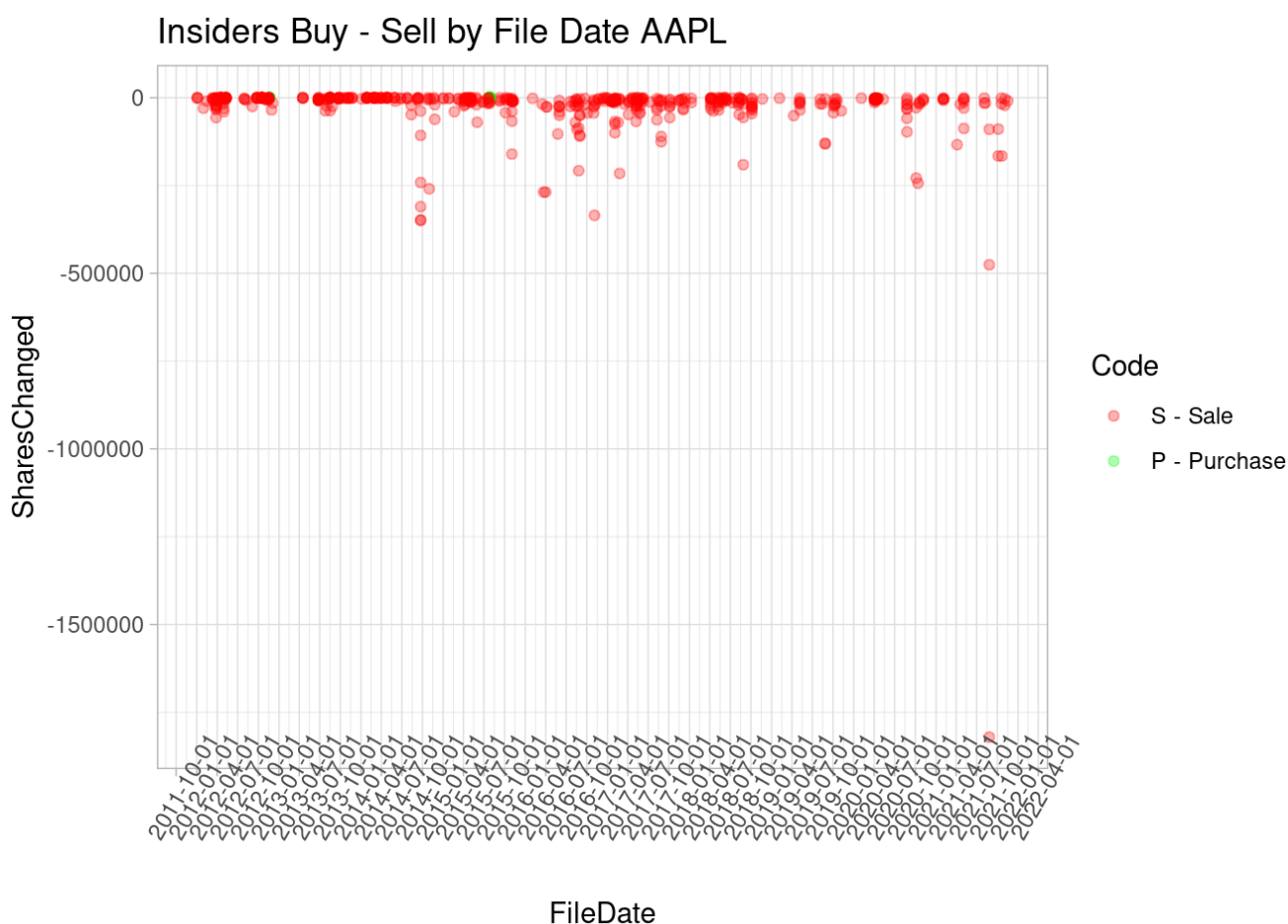


timeserious Stike - DayVolume DAL for 2021-11-19

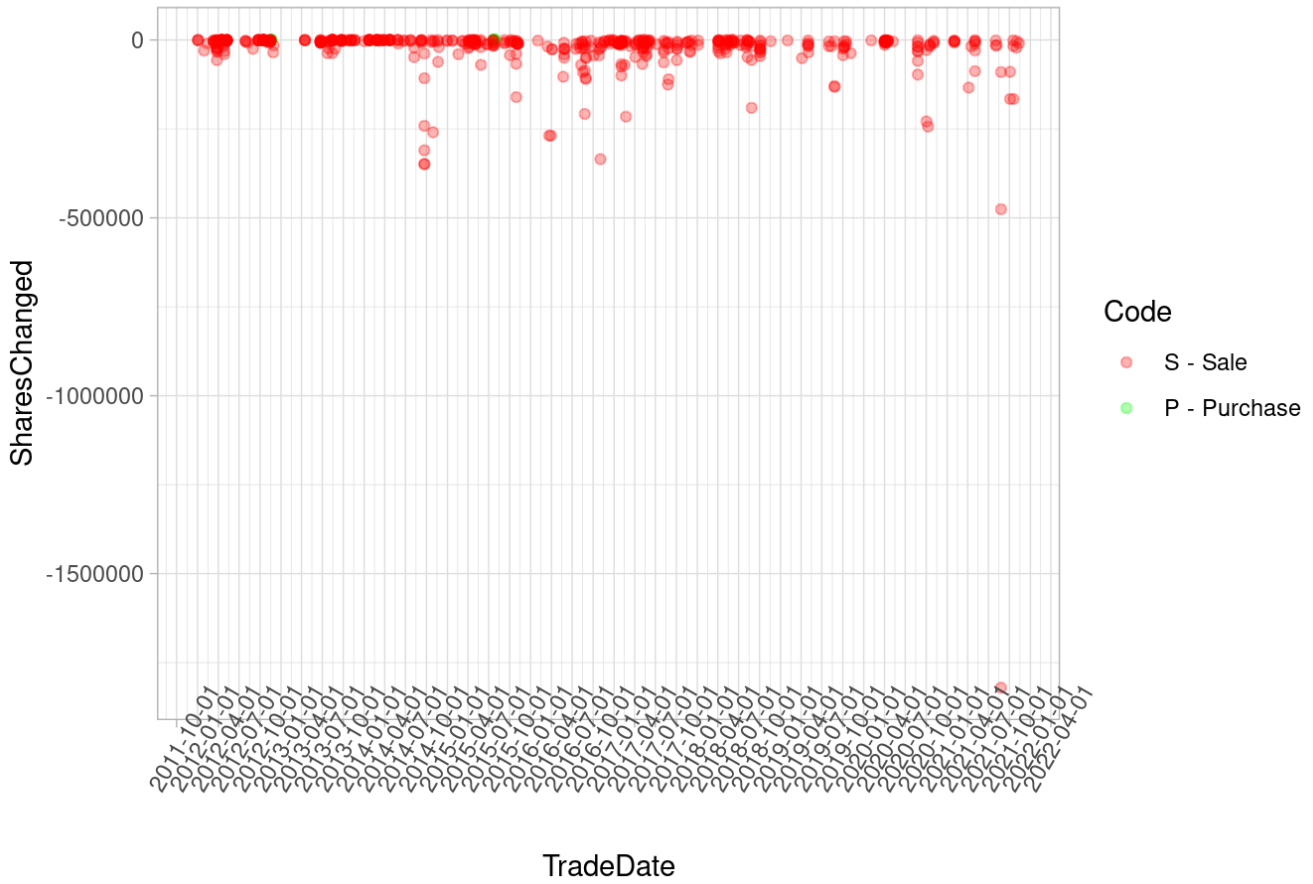




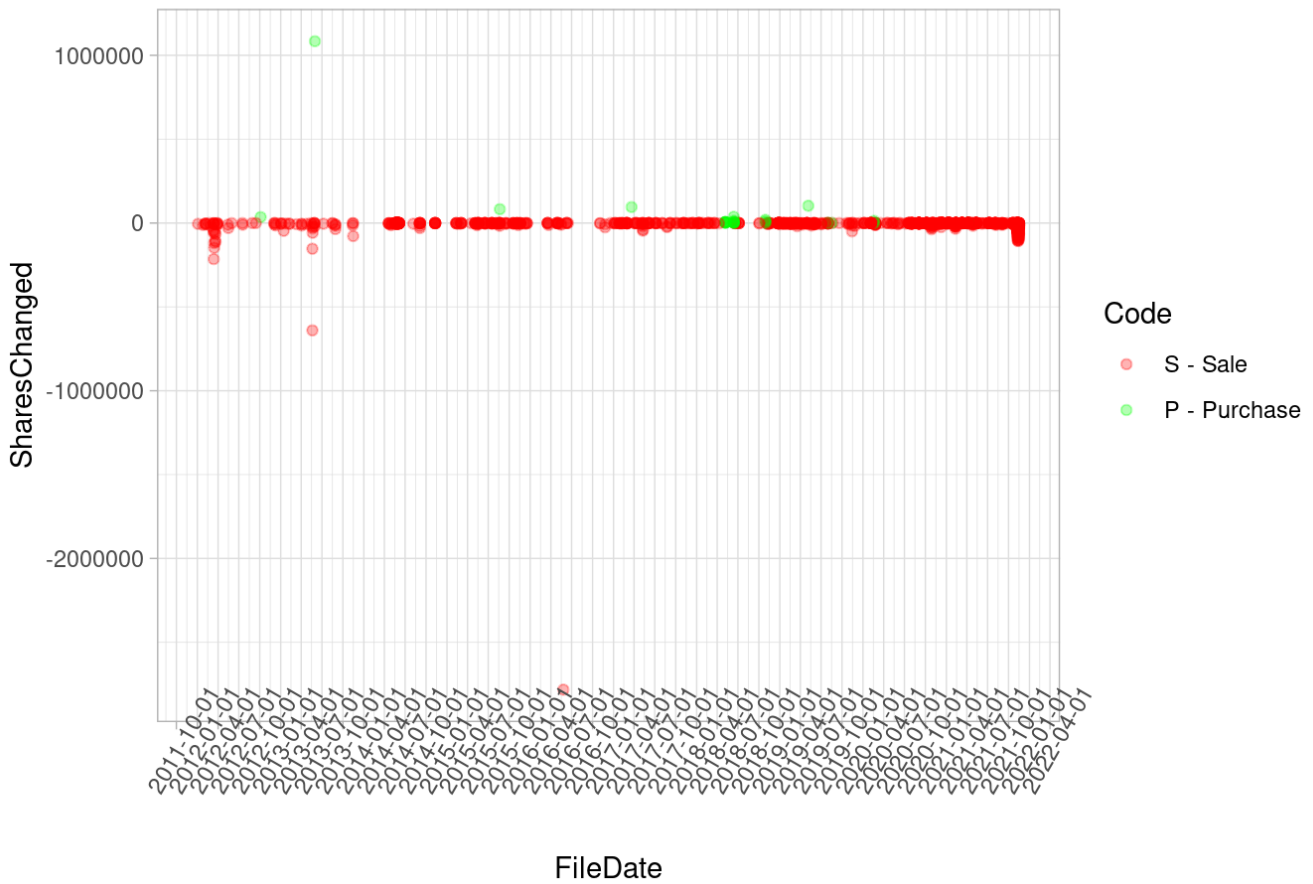
INSIDERS BUY-SELL



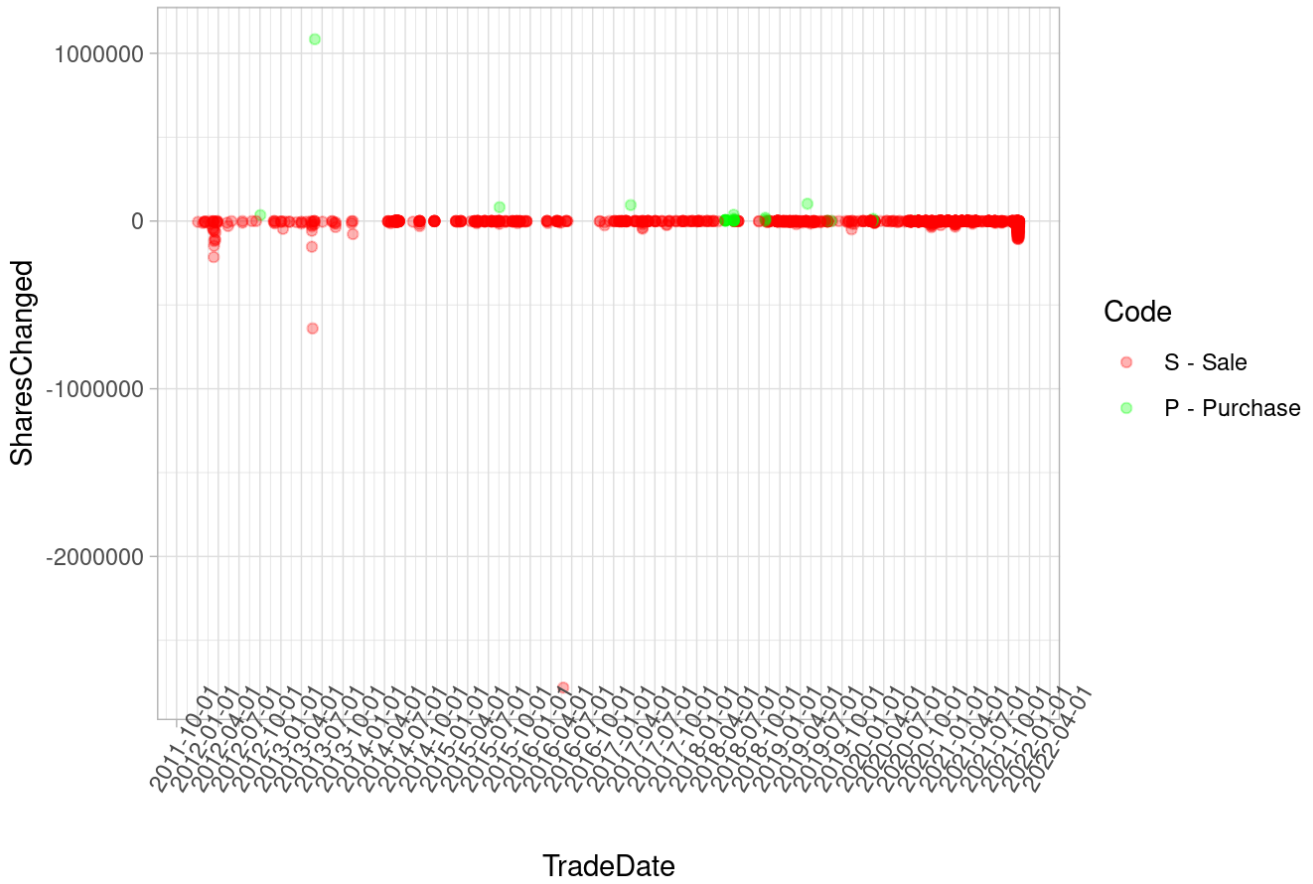
Insiders Buy - Sell by Trade Date AAPL



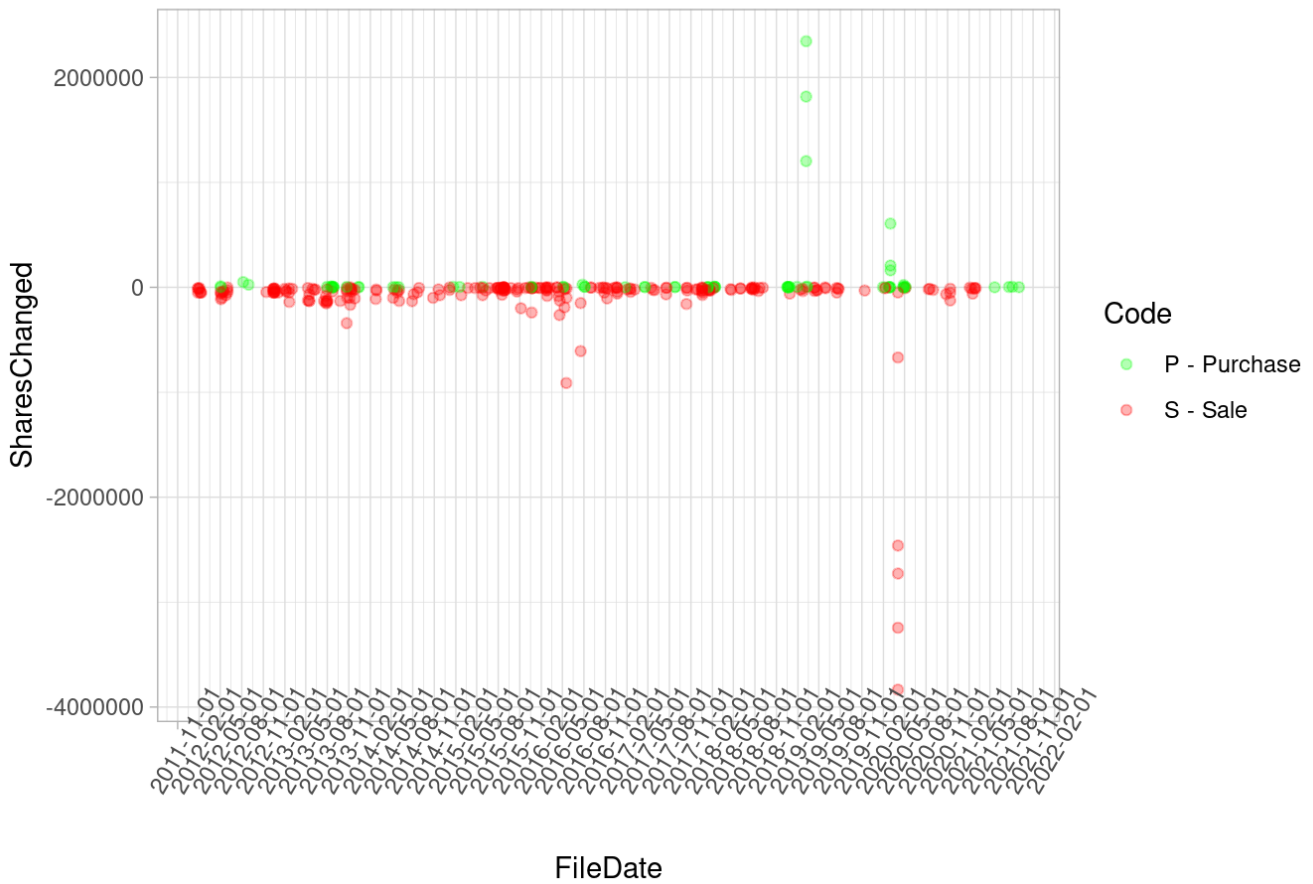
Insiders Buy - Sell by File Date TSLA

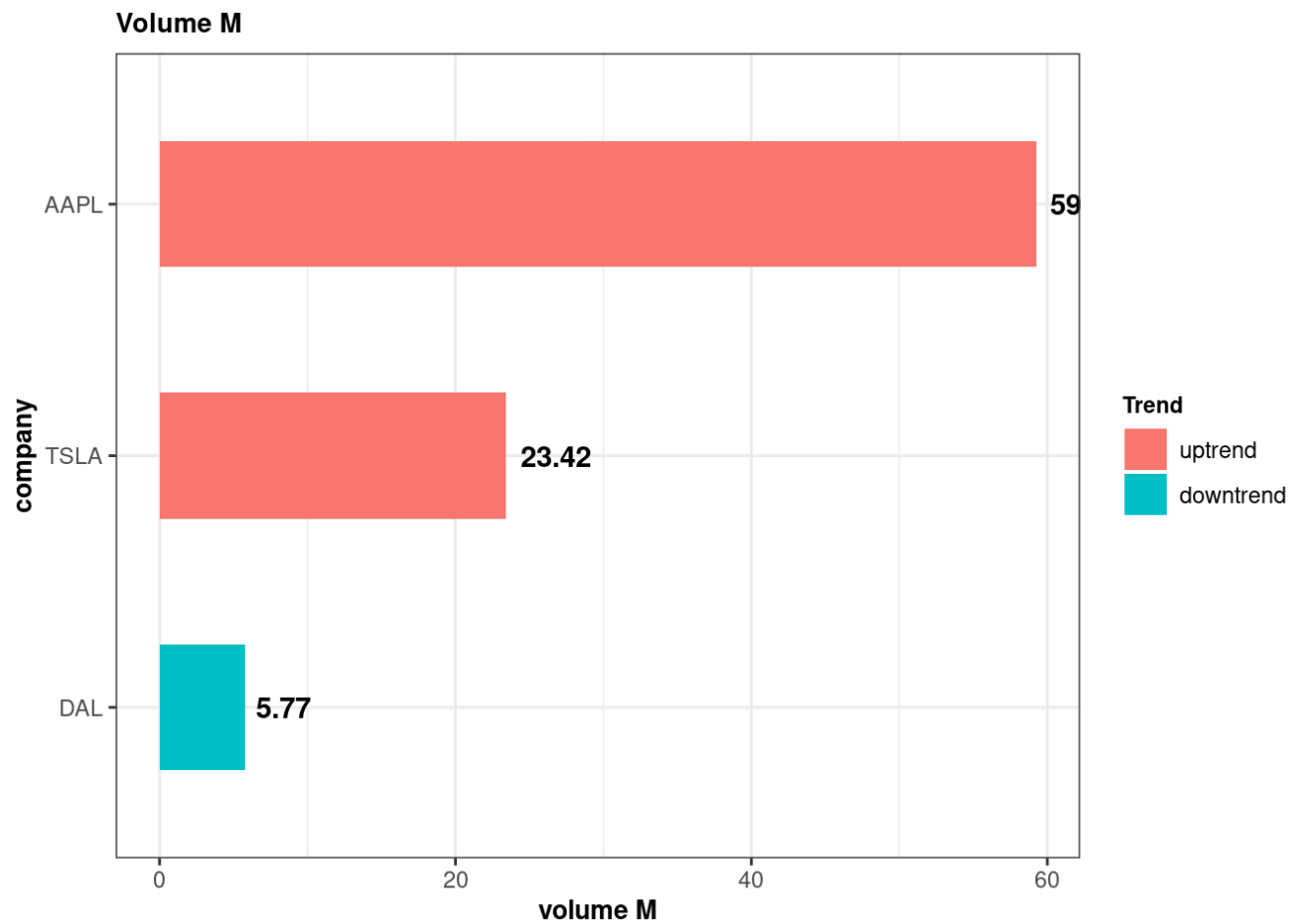
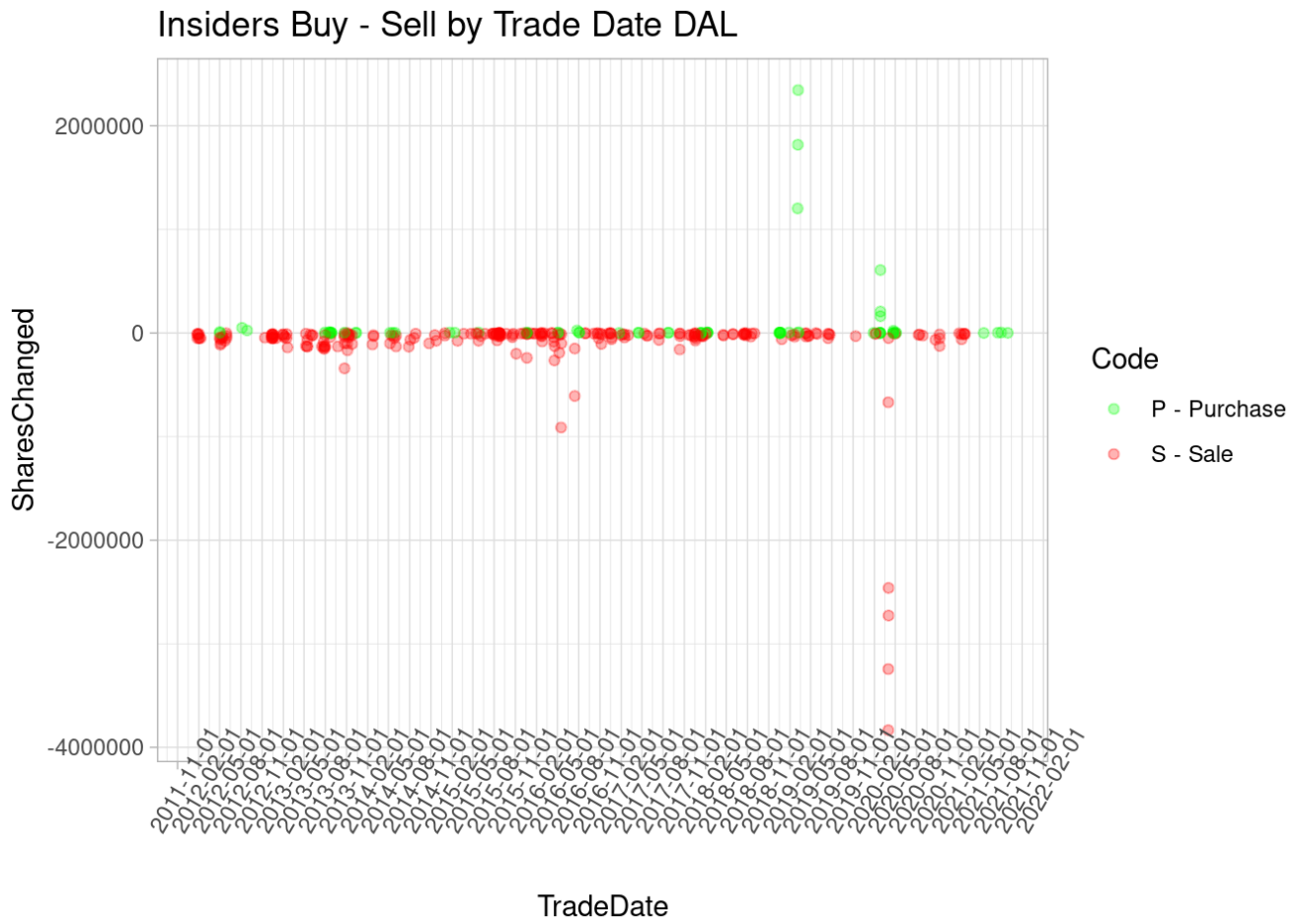


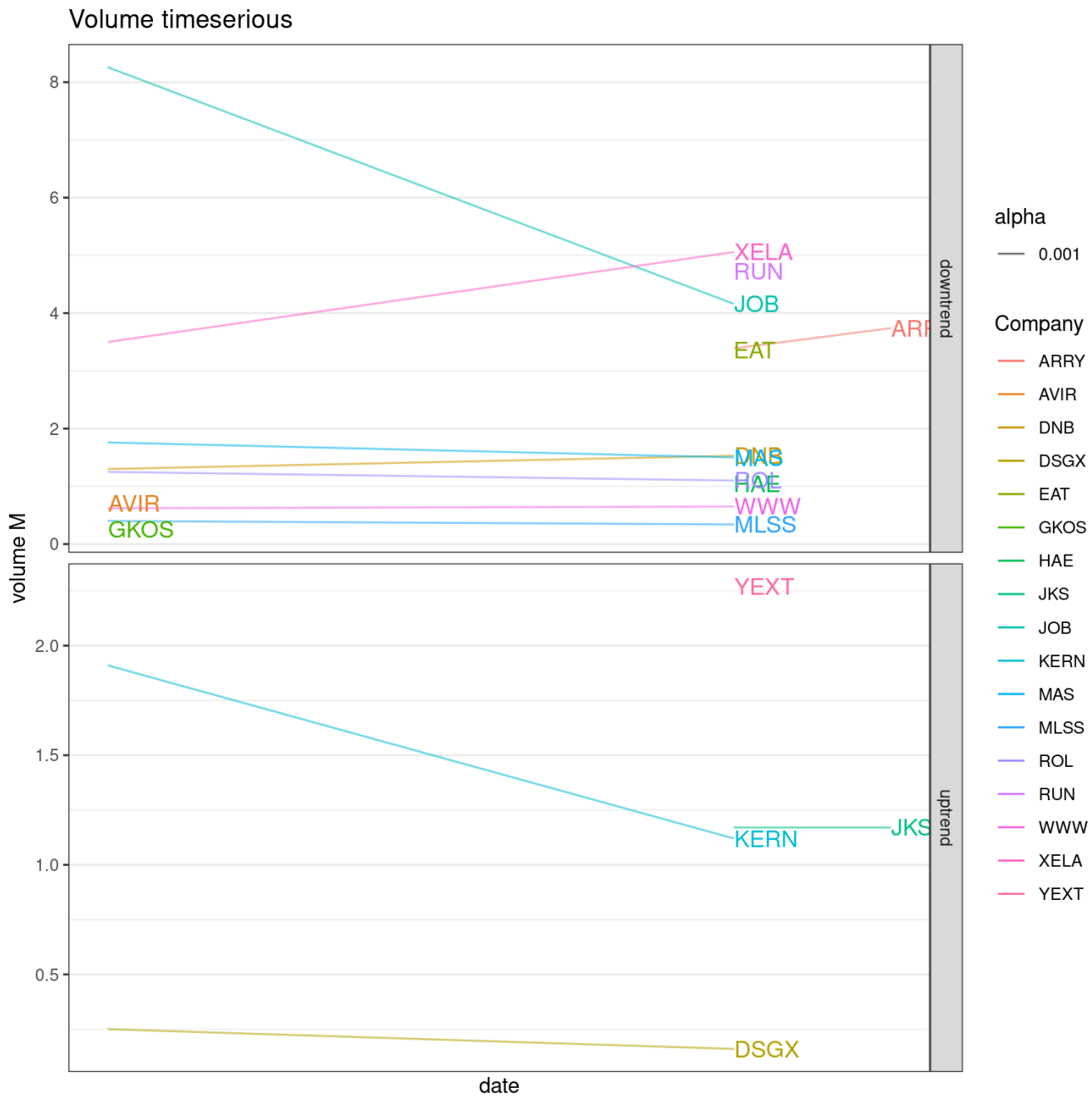
Insiders Buy - Sell by Trade Date TSLA

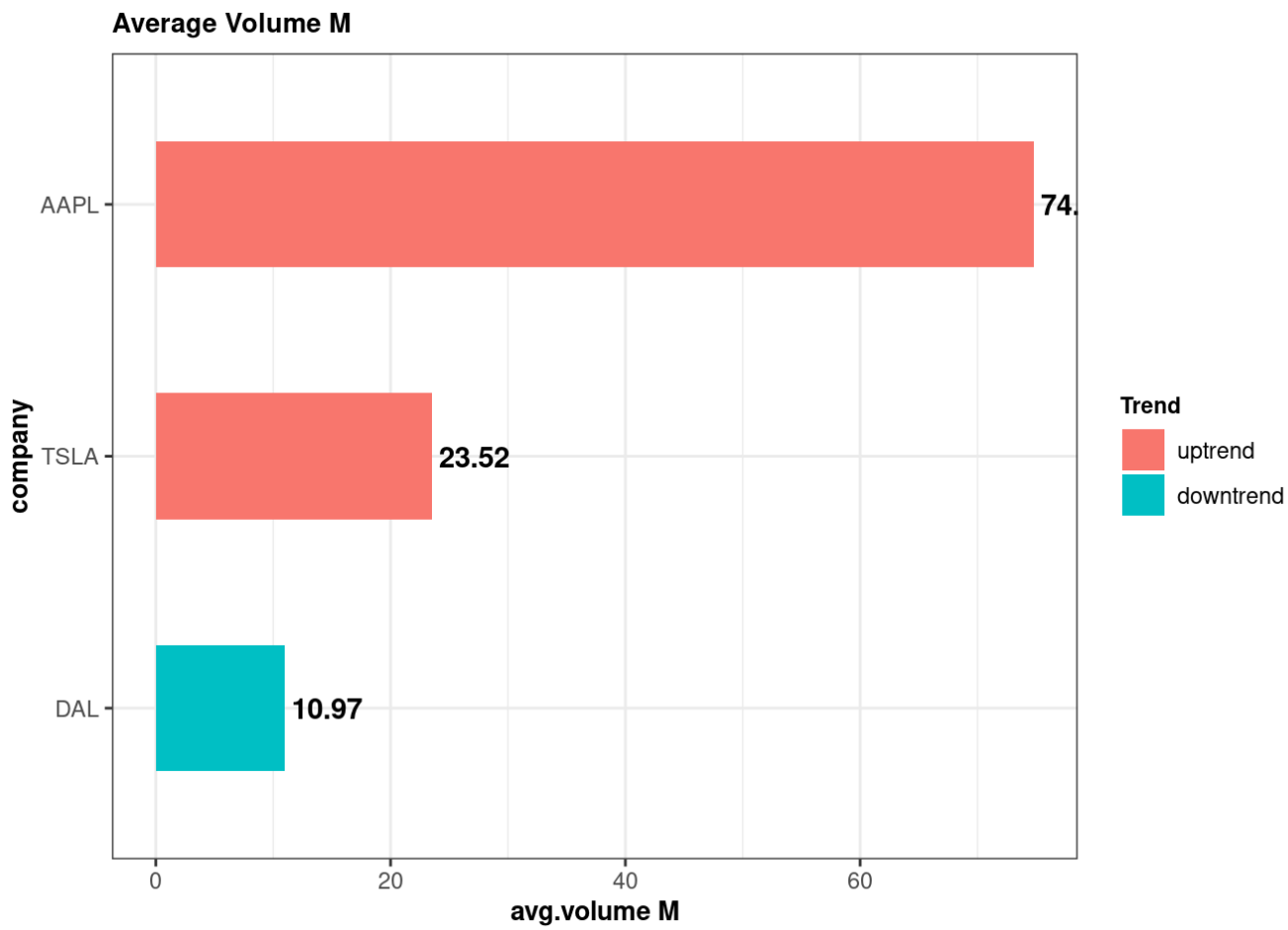


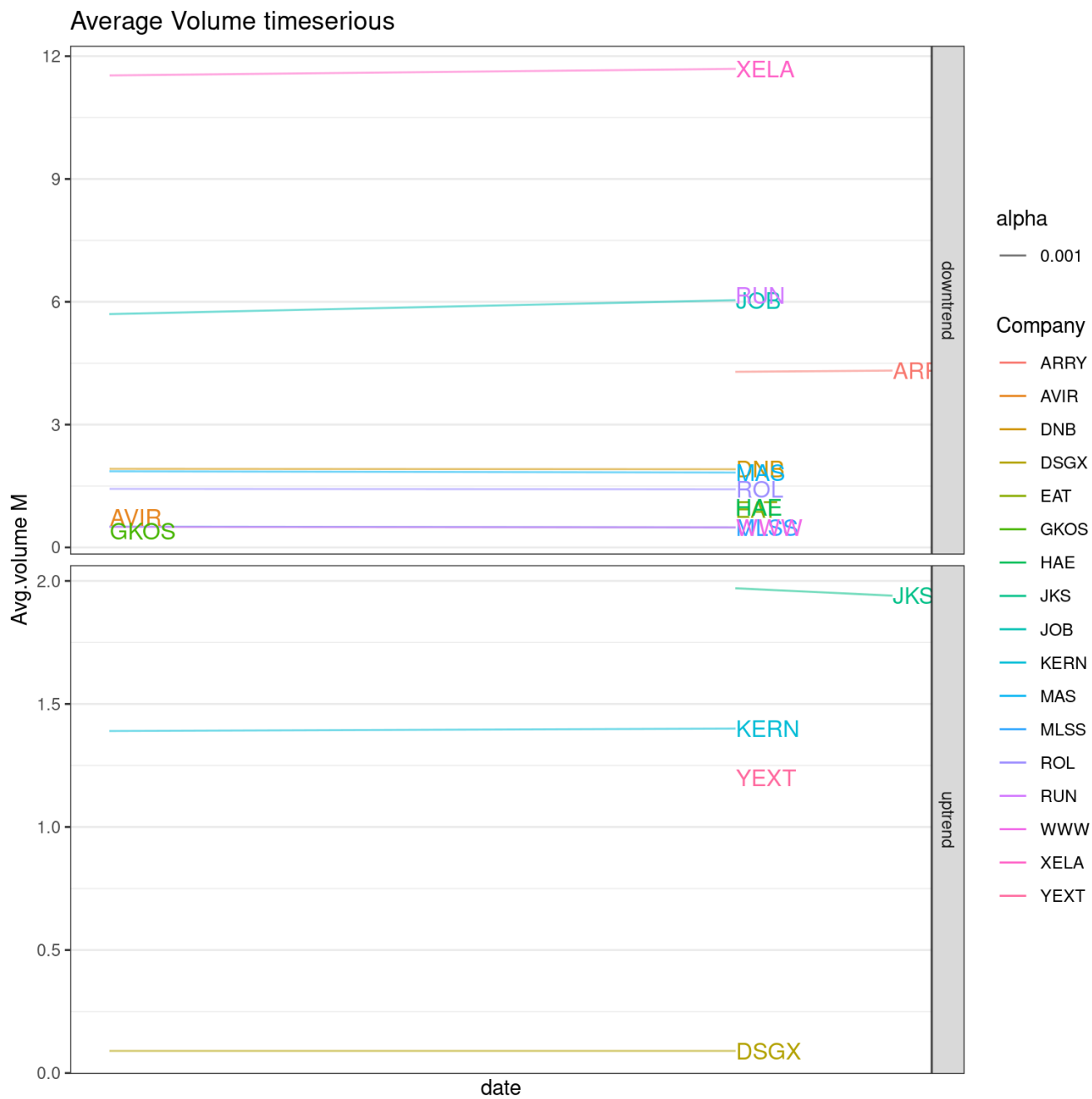
Insiders Buy - Sell by File Date DAL

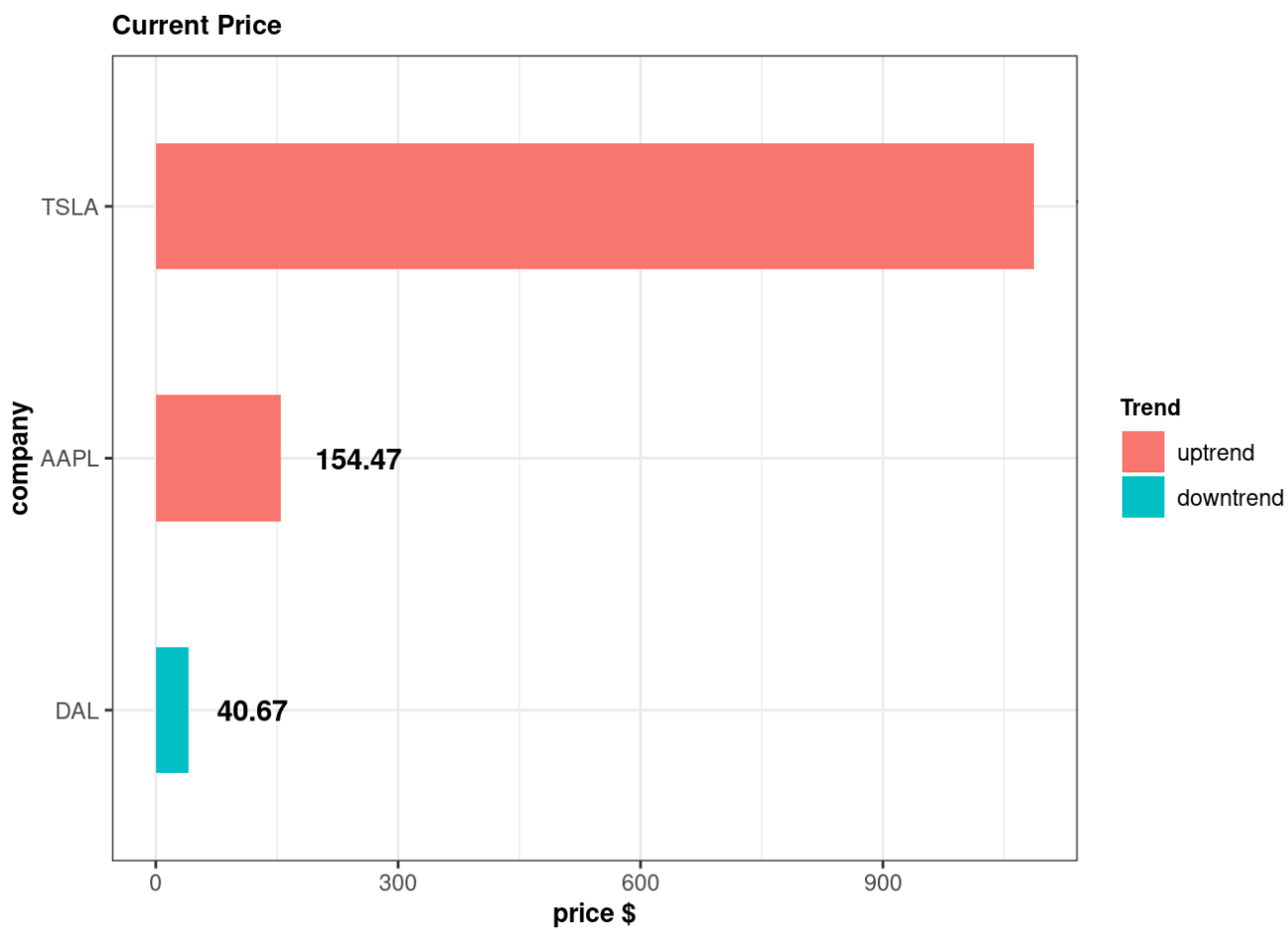


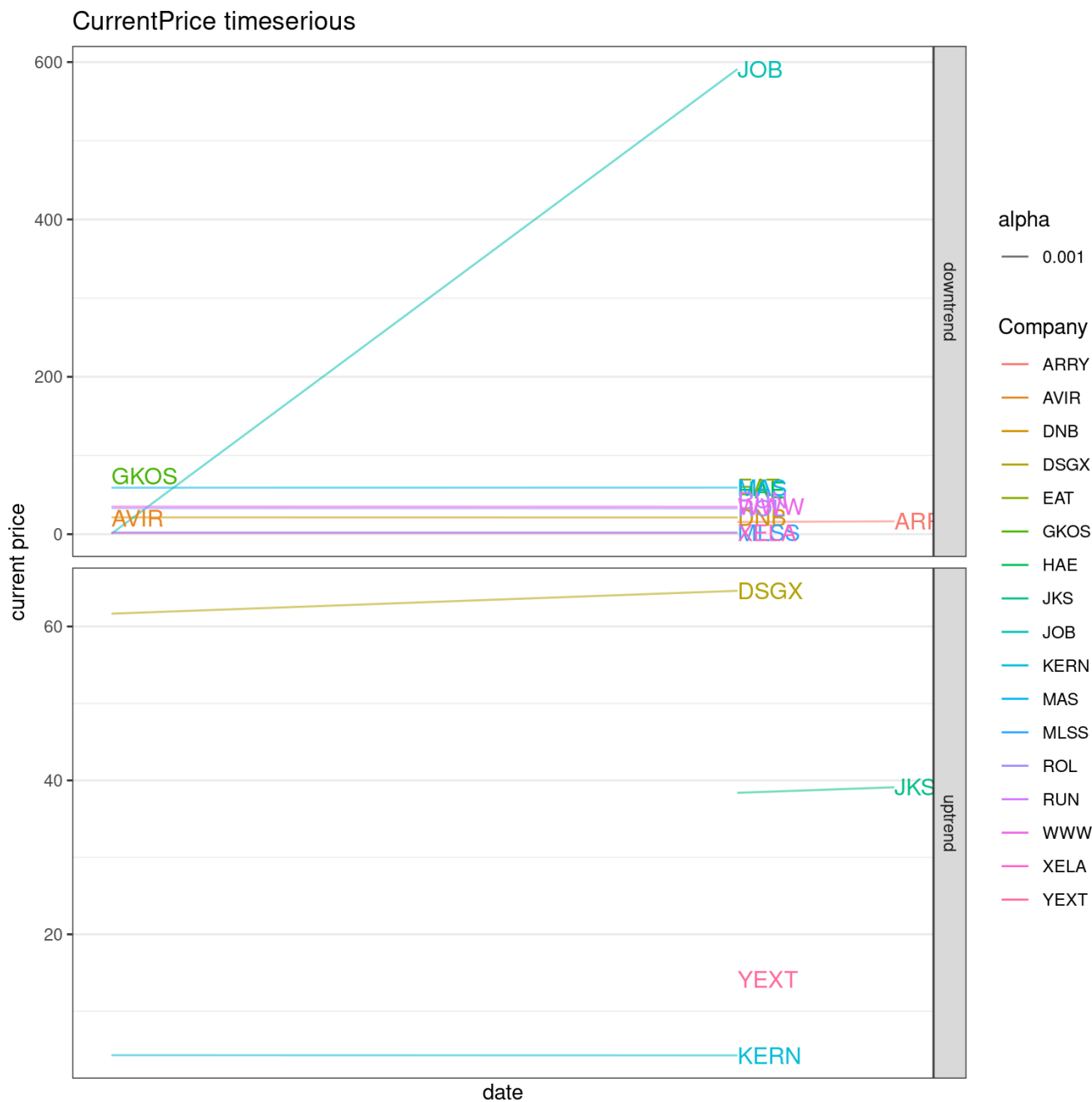


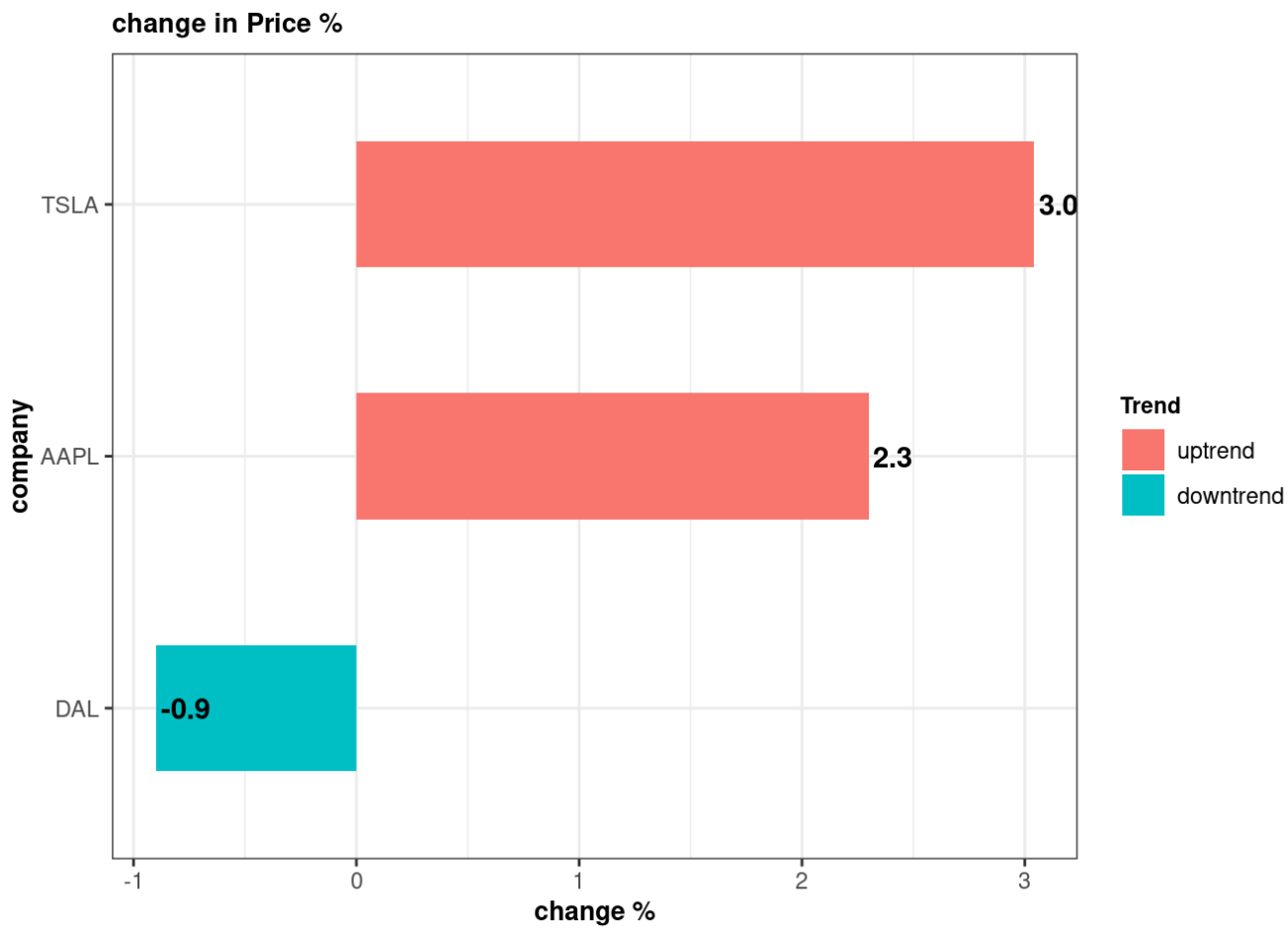


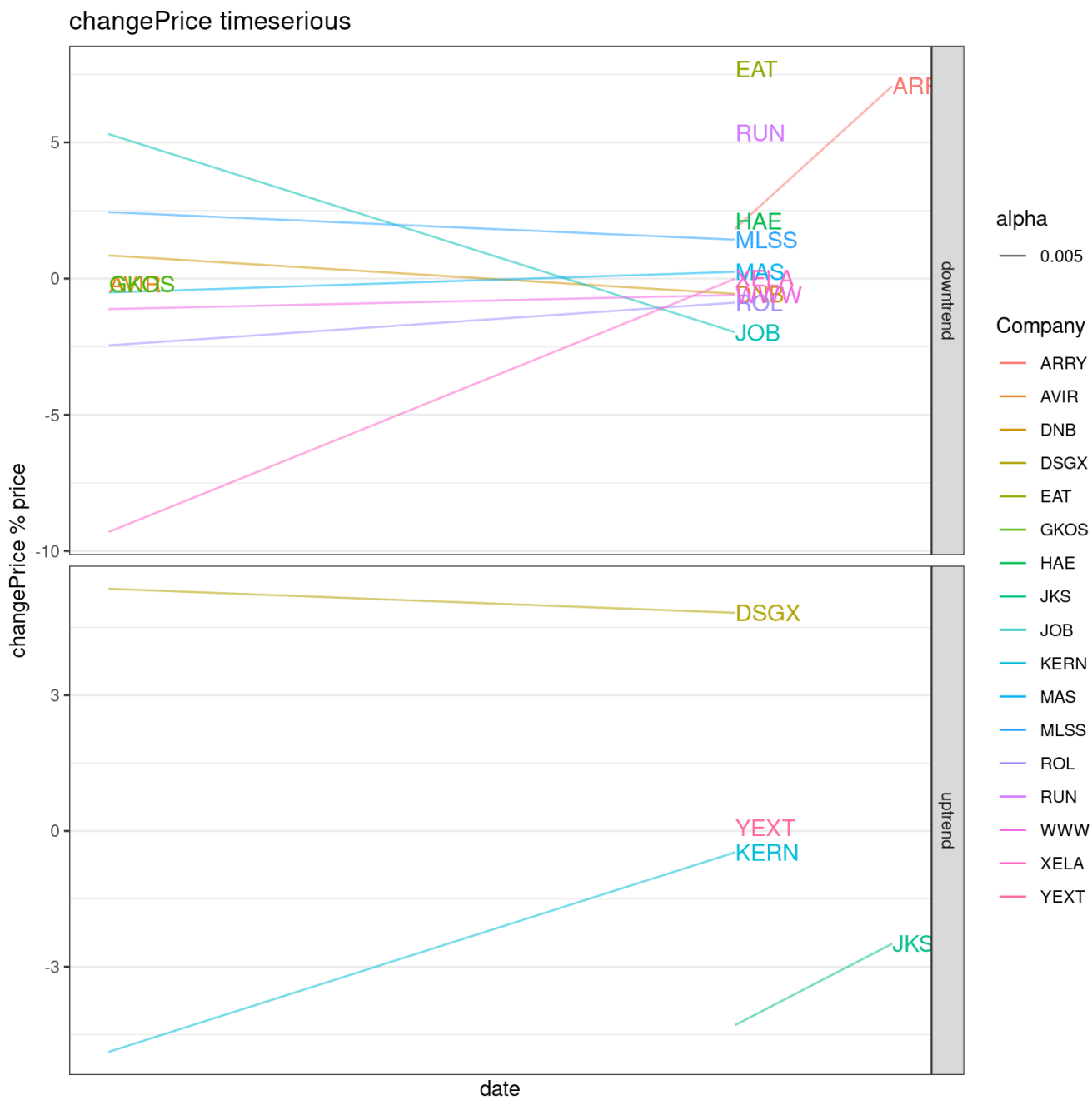


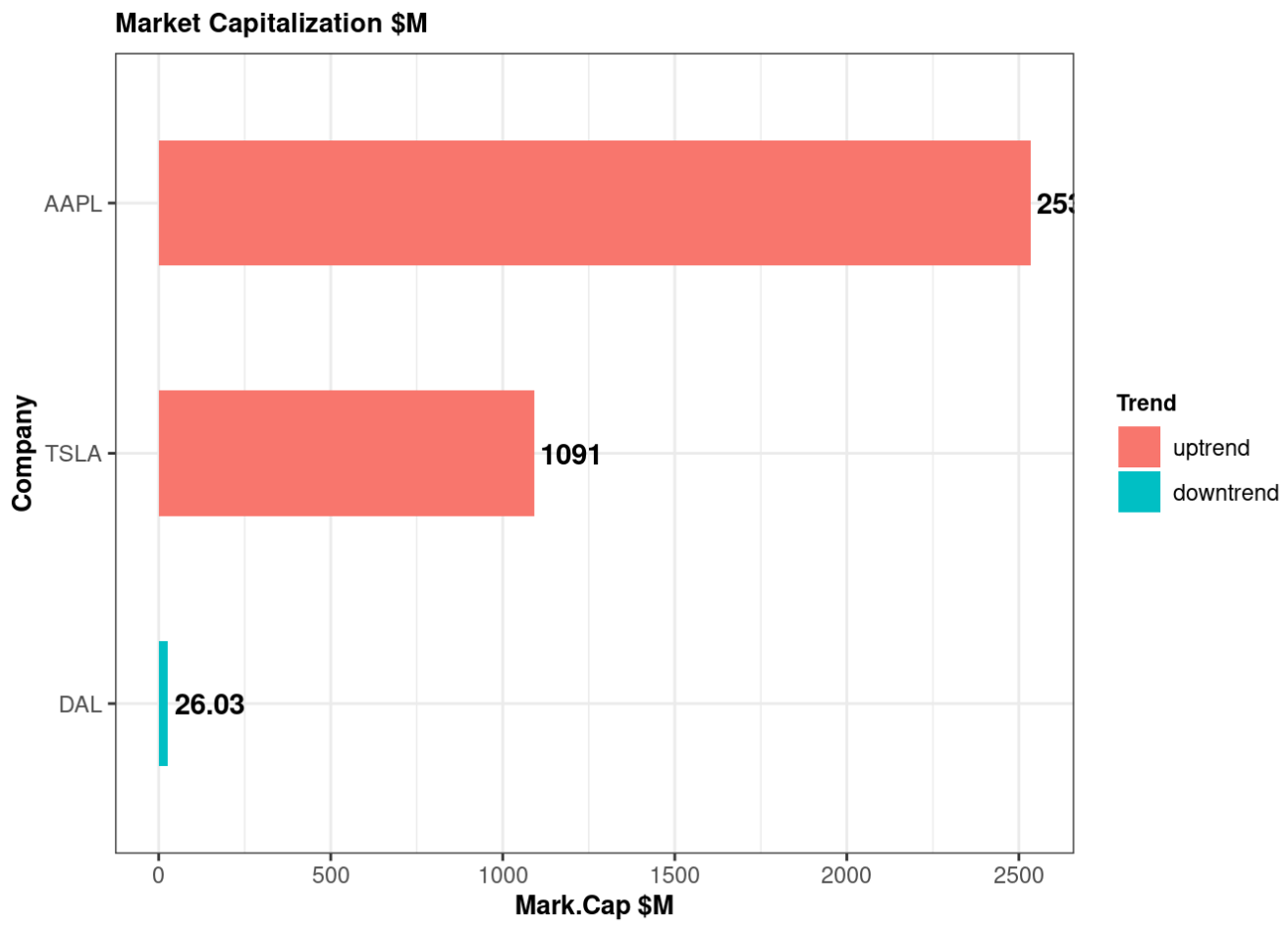


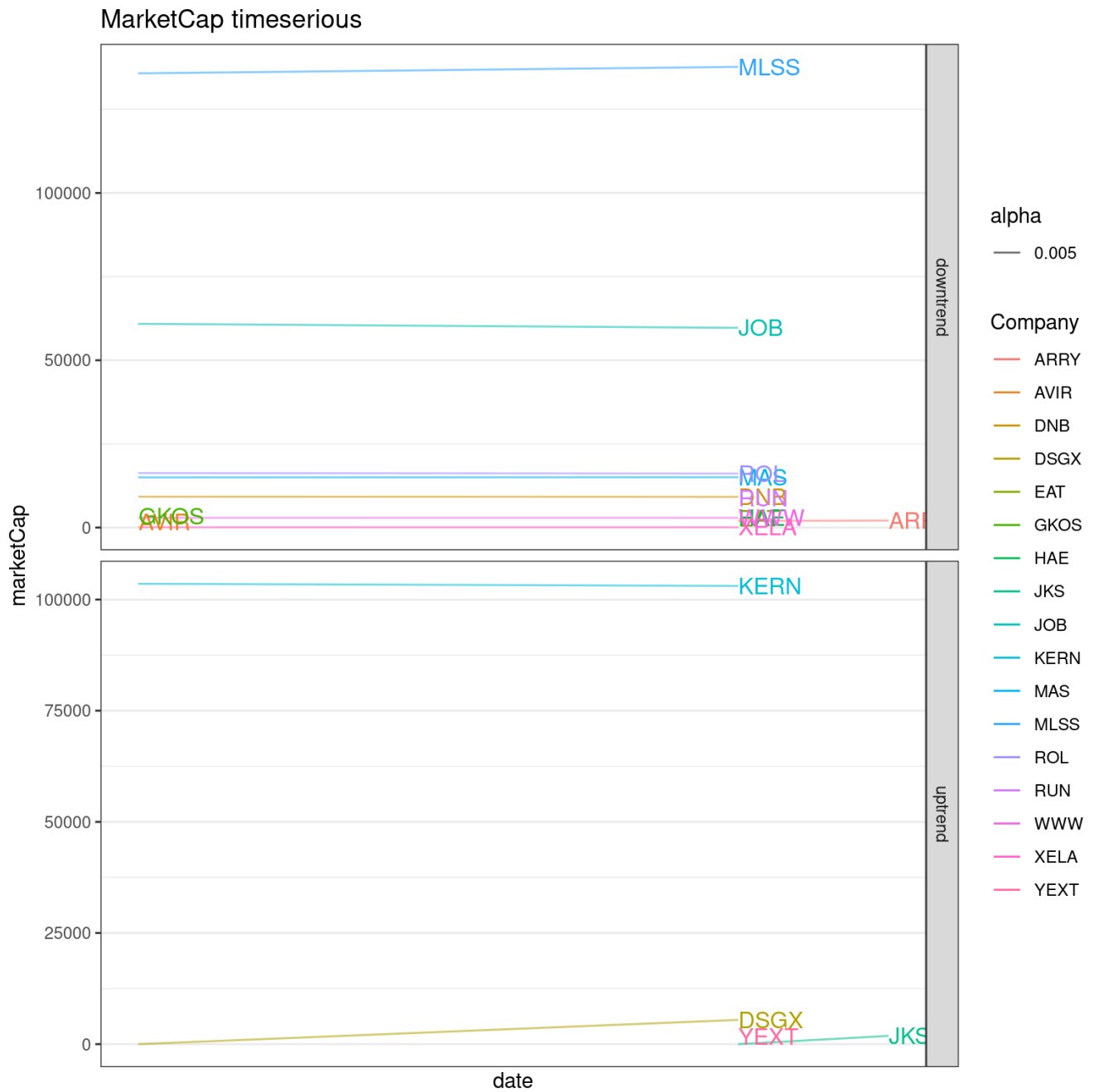






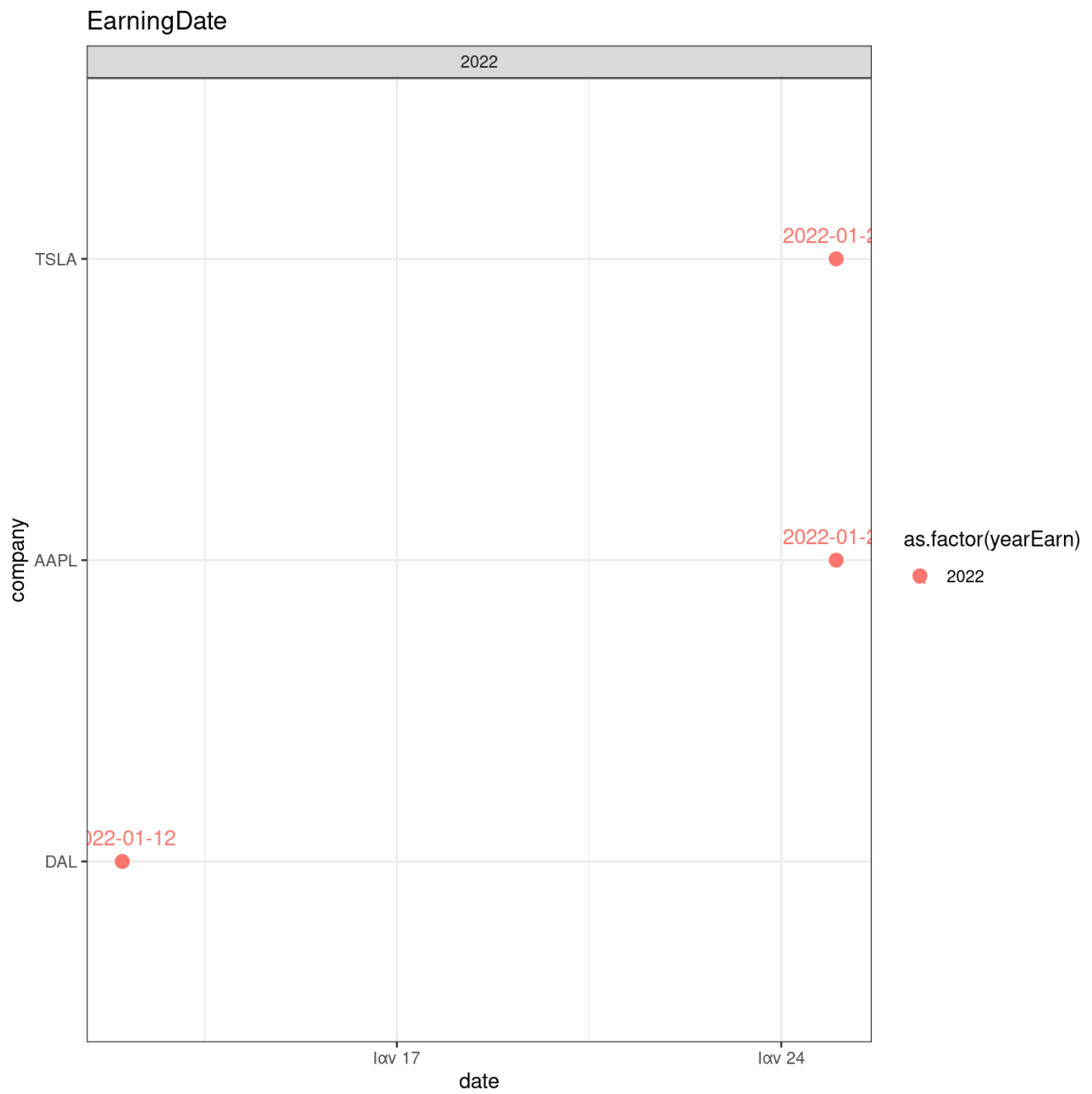


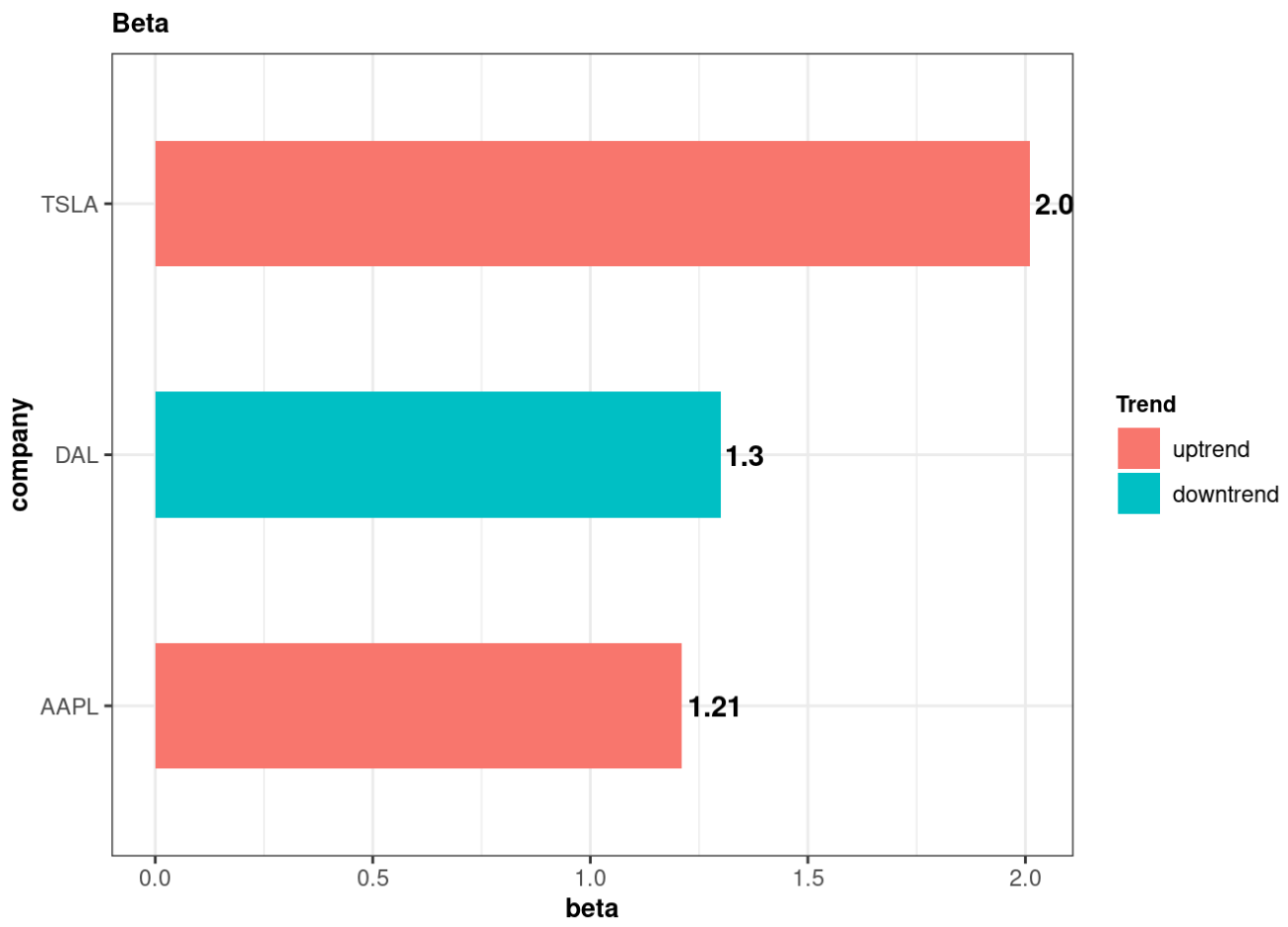


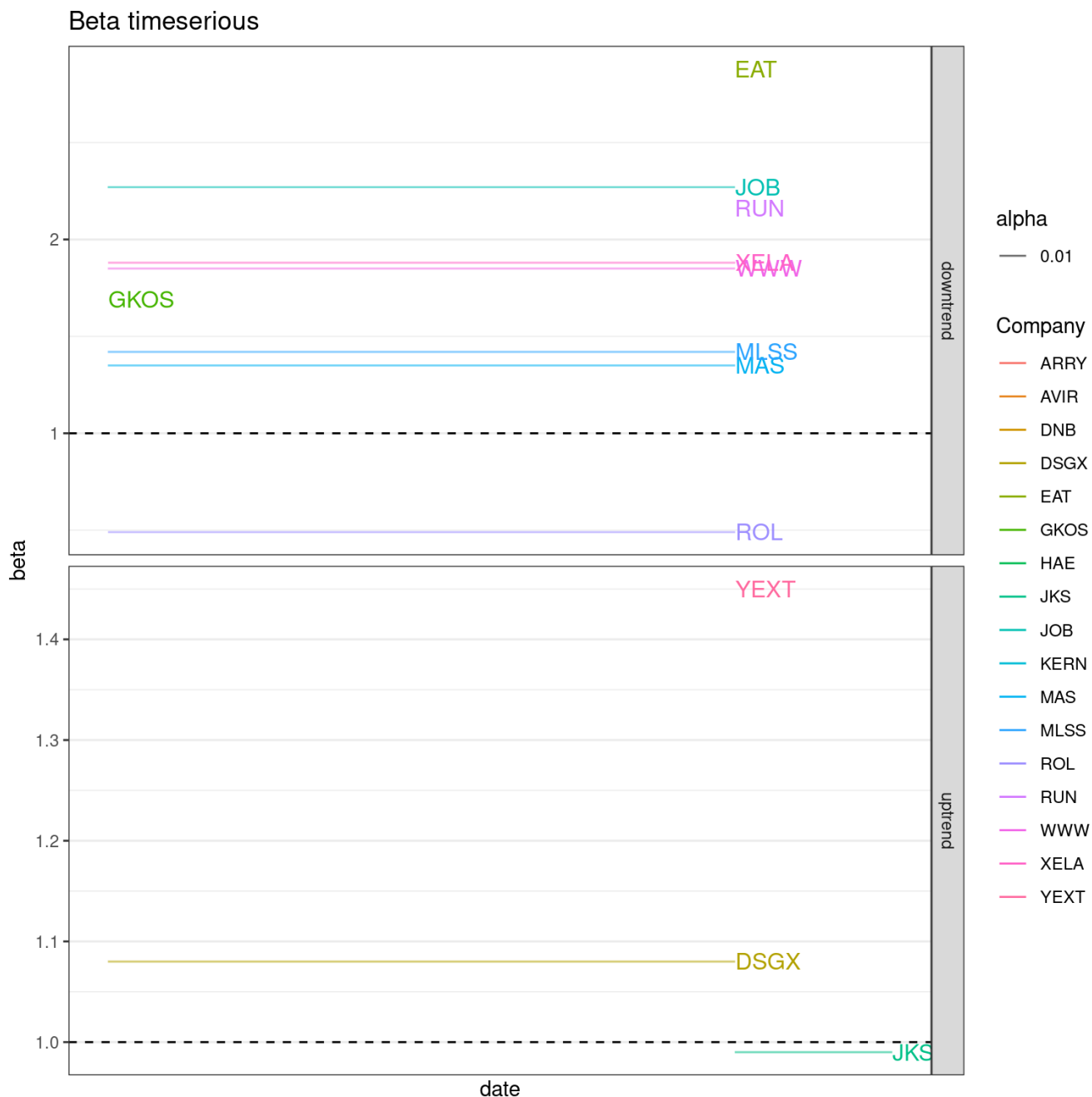


earnings table - list

##	Company	EarningDate
## 1	AAPL	2022-01-25
## 2	TSLA	2022-01-25
## 3	DAL	2022-01-12







$$\text{Z-Score} = 1.2A + 1.4B + 3.3C + 0.6D + 1.0E$$

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

A score below 1.8 means it's likely the company is headed for bankruptcy, while companies with scores above 3 are not likely to go bankrupt.

