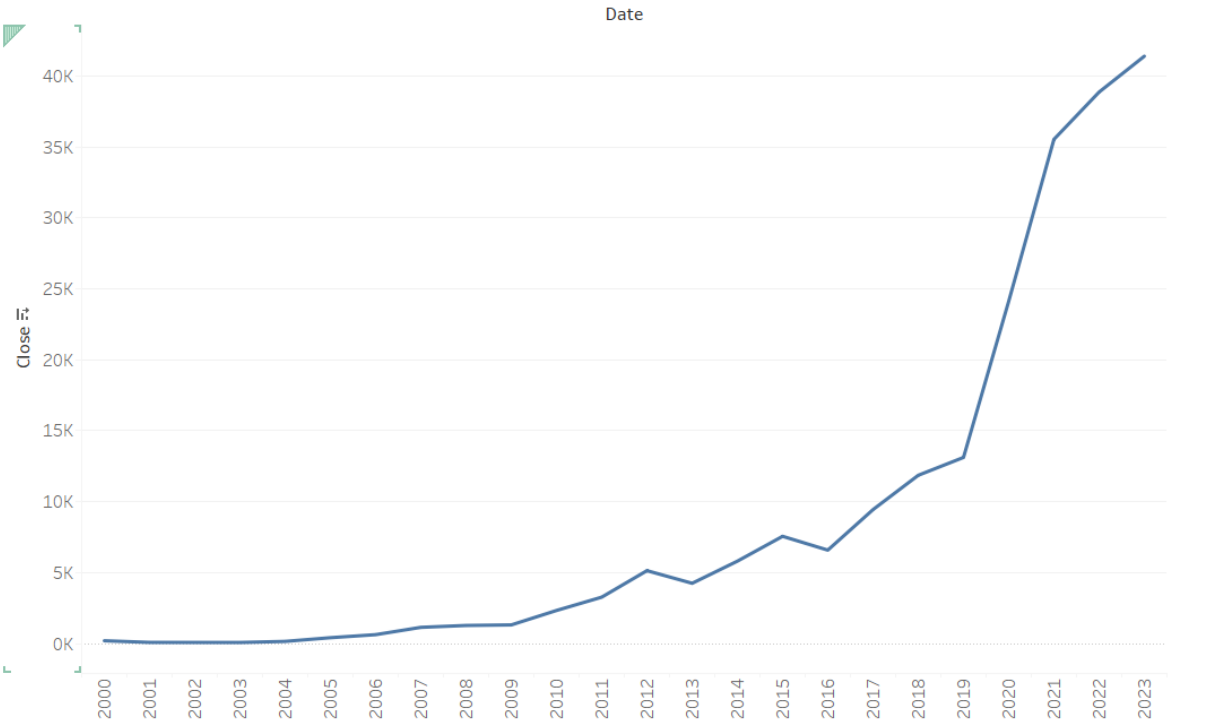
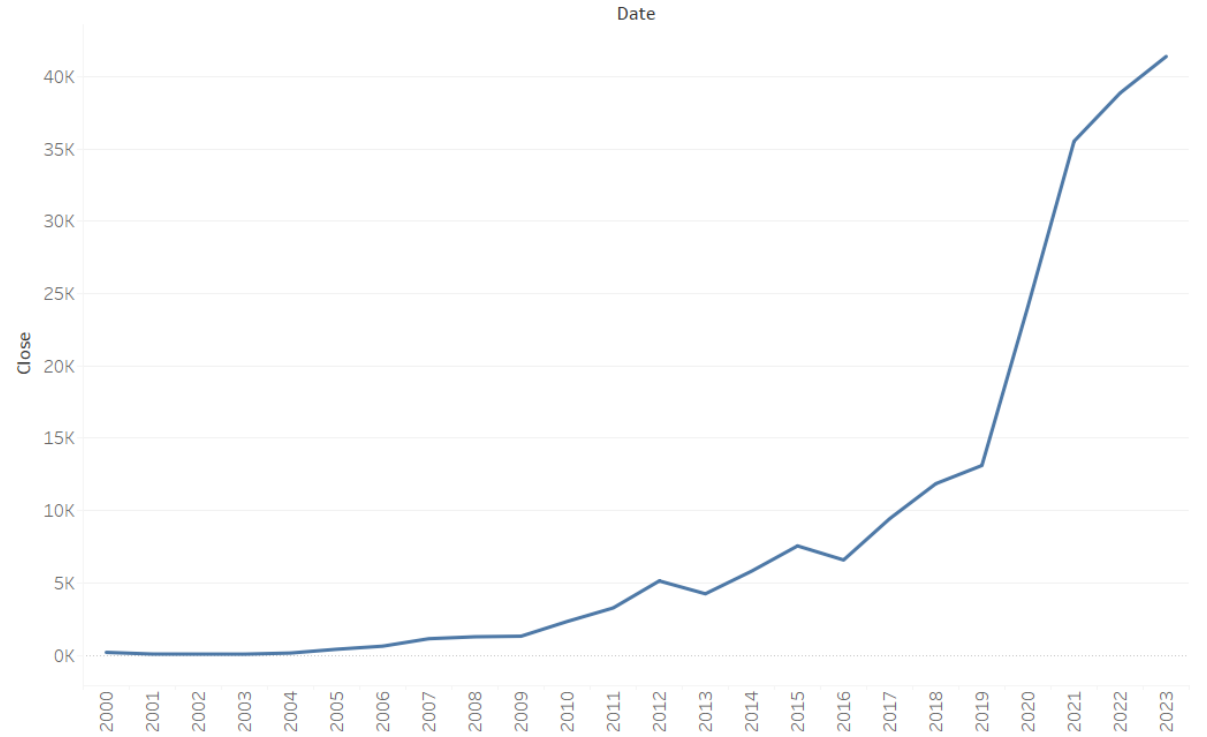
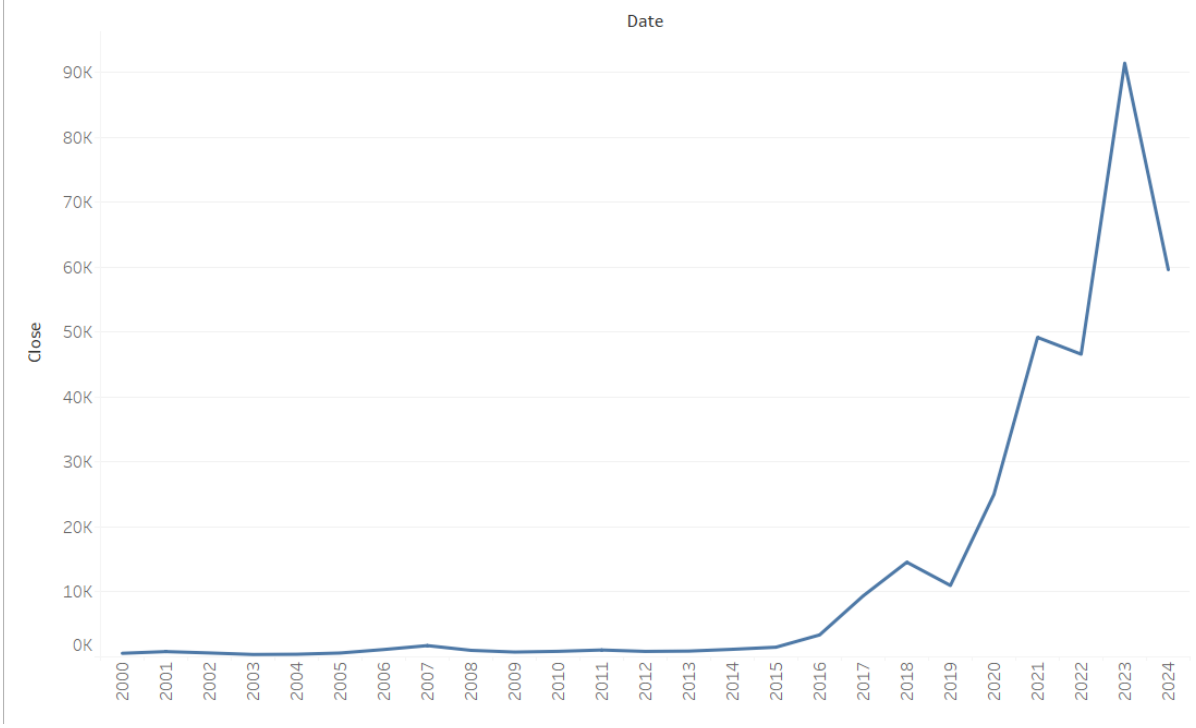
Microsoft Close Trend



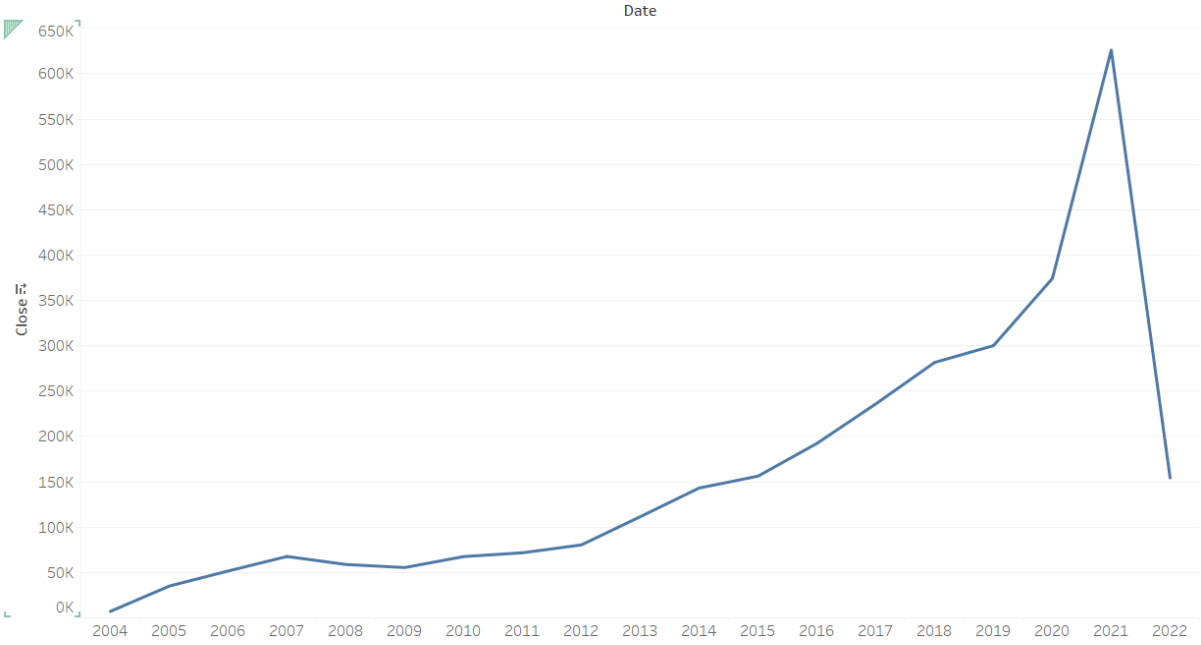
Apple Close Trend



Nvidia Close Trend



Google Close Trend



apple × | cor_matrix × | Early Week 1 code.R ×

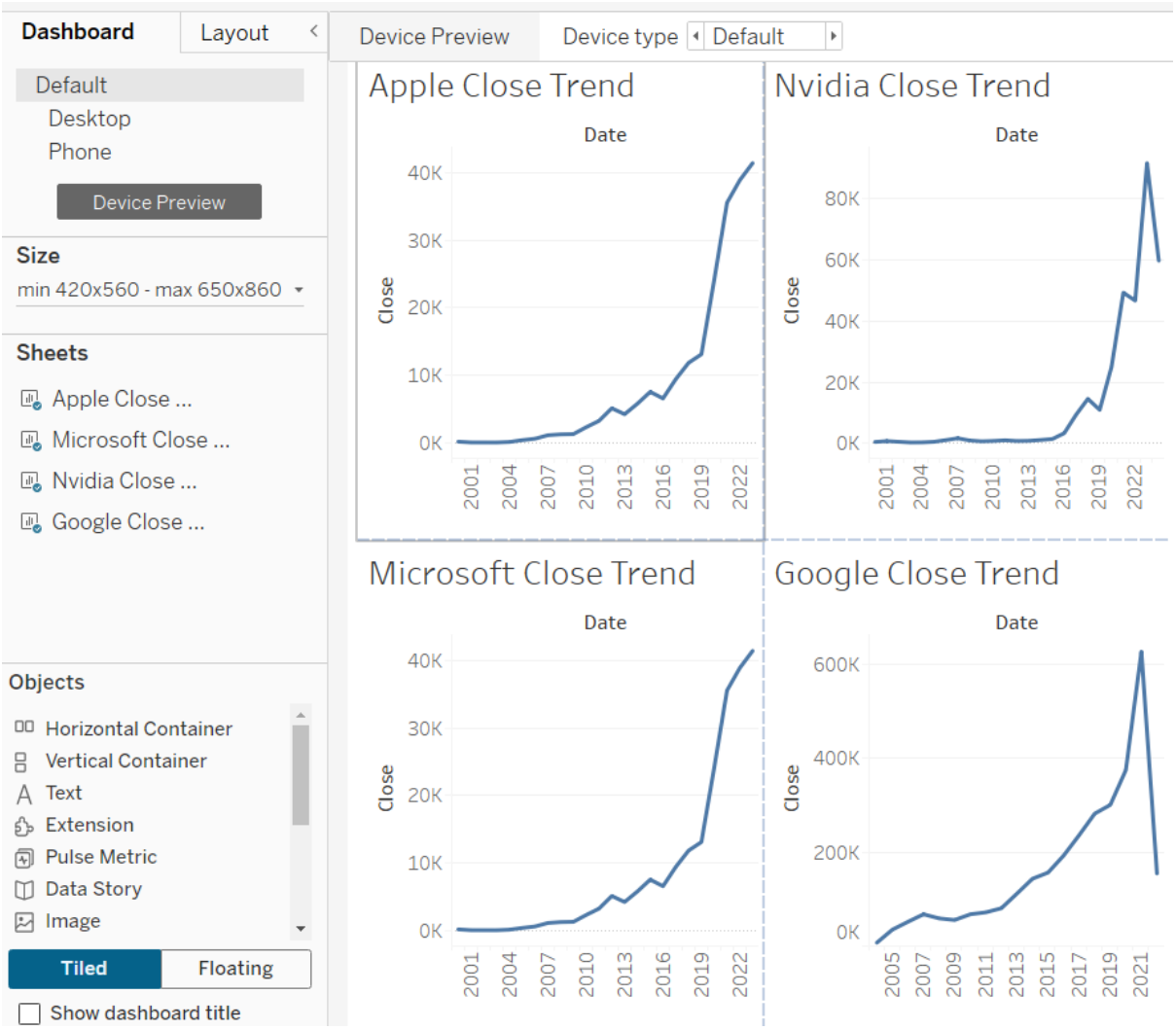
Filter

	Apple	Microsoft	Nvidia	Google
Apple	1.0000000	0.5018113	0.4482072	0.5027794
Microsoft	0.5018113	1.0000000	0.4970097	0.5397538
Nvidia	0.4482072	0.4970097	1.0000000	0.4328178
Google	0.5027794	0.5397538	0.4328178	1.0000000

apple × | cor_matrix × | risk_summary × | Early Week

Filter

	Stock	Standard Deviation	Beta (vs Apple)
1	apple	0.02082449	1.0000000
2	microsoft	0.01711601	0.4087743
3	nvidia	0.03084508	0.6448185
4	google	0.01908313	0.4591066




```
> 
> # Correlation matrix
> cor_matrix <- cor(returns_df %>% select(-Date))
> print(cor_matrix)
              Apple Microsoft    Nvidia    Google
Apple     1.0000000 0.5018113 0.4482072 0.5027794
Microsoft 0.5018113 1.0000000 0.4970097 0.5397538
Nvidia    0.4482072 0.4970097 1.0000000 0.4328178
Google    0.5027794 0.5397538 0.4328178 1.0000000
> 
```

```
[1] 0.01908313
> 
> # Create a table for the standard deviation
> tibble(
+   Stock = c("Apple", "Microsoft", "Nvidia", "Google"),
+   `Standard Deviation` = c(apple_sd, microsoft_sd, nvidia_sd, google_sd)
+ )
# A tibble: 4 × 2
  Stock     `Standard Deviation`
  <chr>                    <dbl>
1 Apple                   0.0208
2 Microsoft               0.0171
3 Nvidia                  0.0308
4 Google                  0.0191
> 
```