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Q3)

library(dplyr)

library(ggplot2)

library(foreign)

cocacola <- read_csv("C:\\Users\\Admin\\Desktop")

view(cocacola)

library(quantmod)

head(cocacola)

tail(cocacola)

max(cocacola\$volume)

min(cocacola\$volume)

mean(cocacola\$volume)

median(cocacola\$volume)

quantile(cocacola\$volume, 0.25)

quantile(cocacola\$volume, 0.5)

quantile(cocacola\$volume, 0.75)

sd(cocacola\$volume)

var(cocacola\$volume)

summary(cocacola)

Bar graph

```
ggplot(Locusta, aes (y = High, x = Date)) + geom_bar (stat = "identity")
```

Pie chart

```
ggplot(Locusta, aes (y = "", fill = Date, x = Volume)) + geom_bar  
(width = 1, stat = "identity") + coord_Polar("x", start = 0)
```

Boxplot

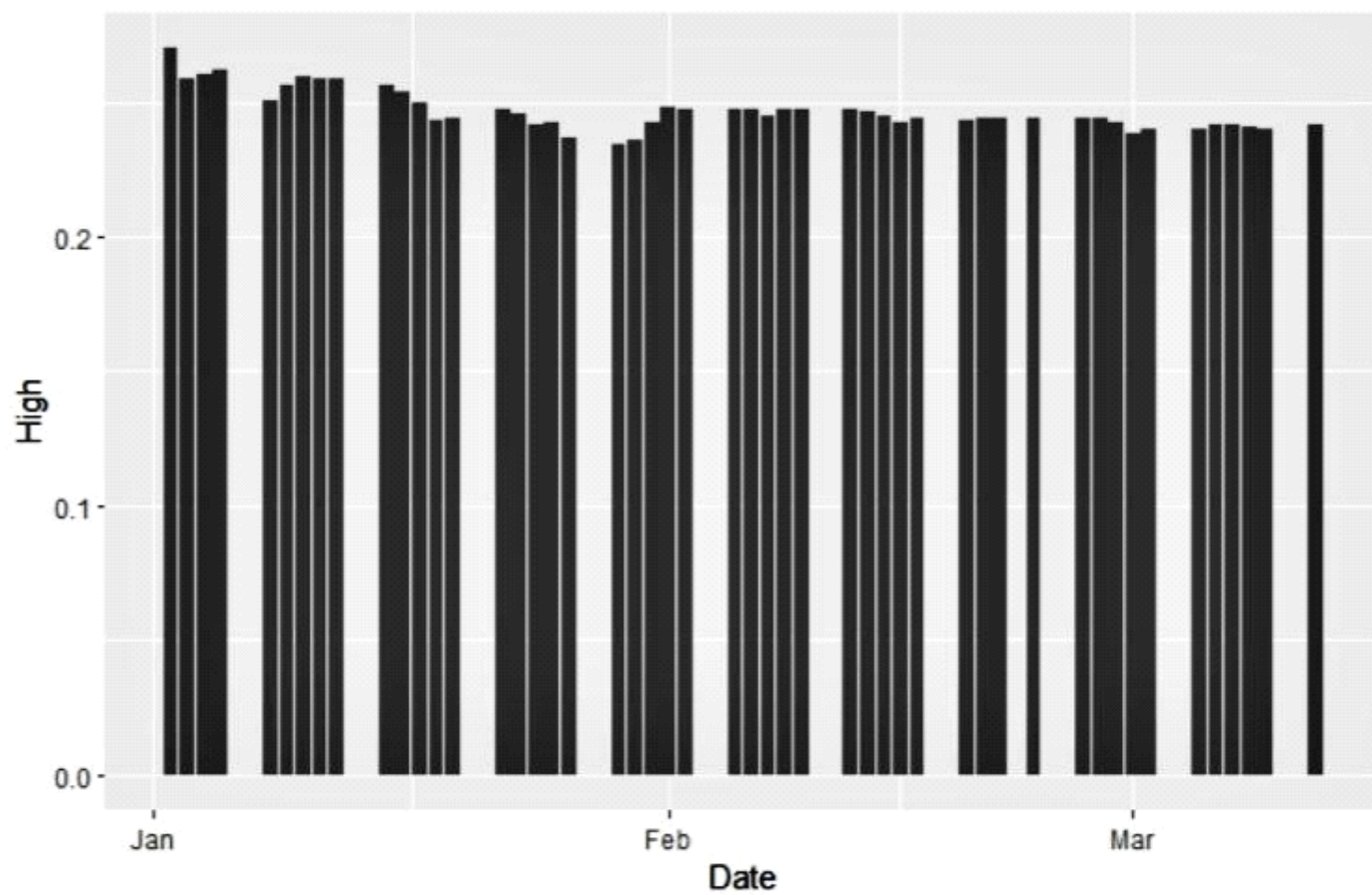
```
ggplot(Locusta, aes (y = Date, x = Volume)) + geom_point()  
geom_boxplot()
```

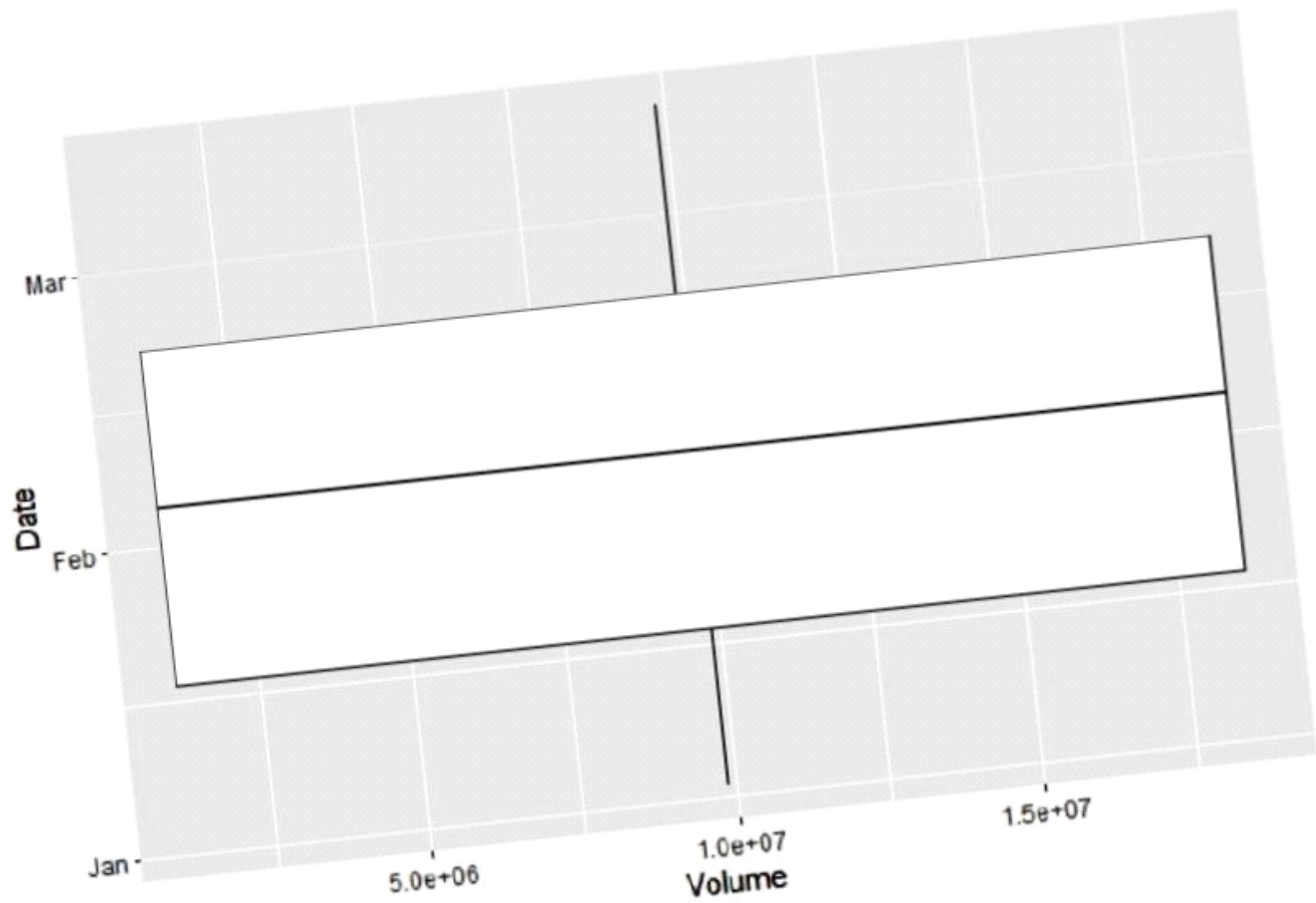
Scatter plot

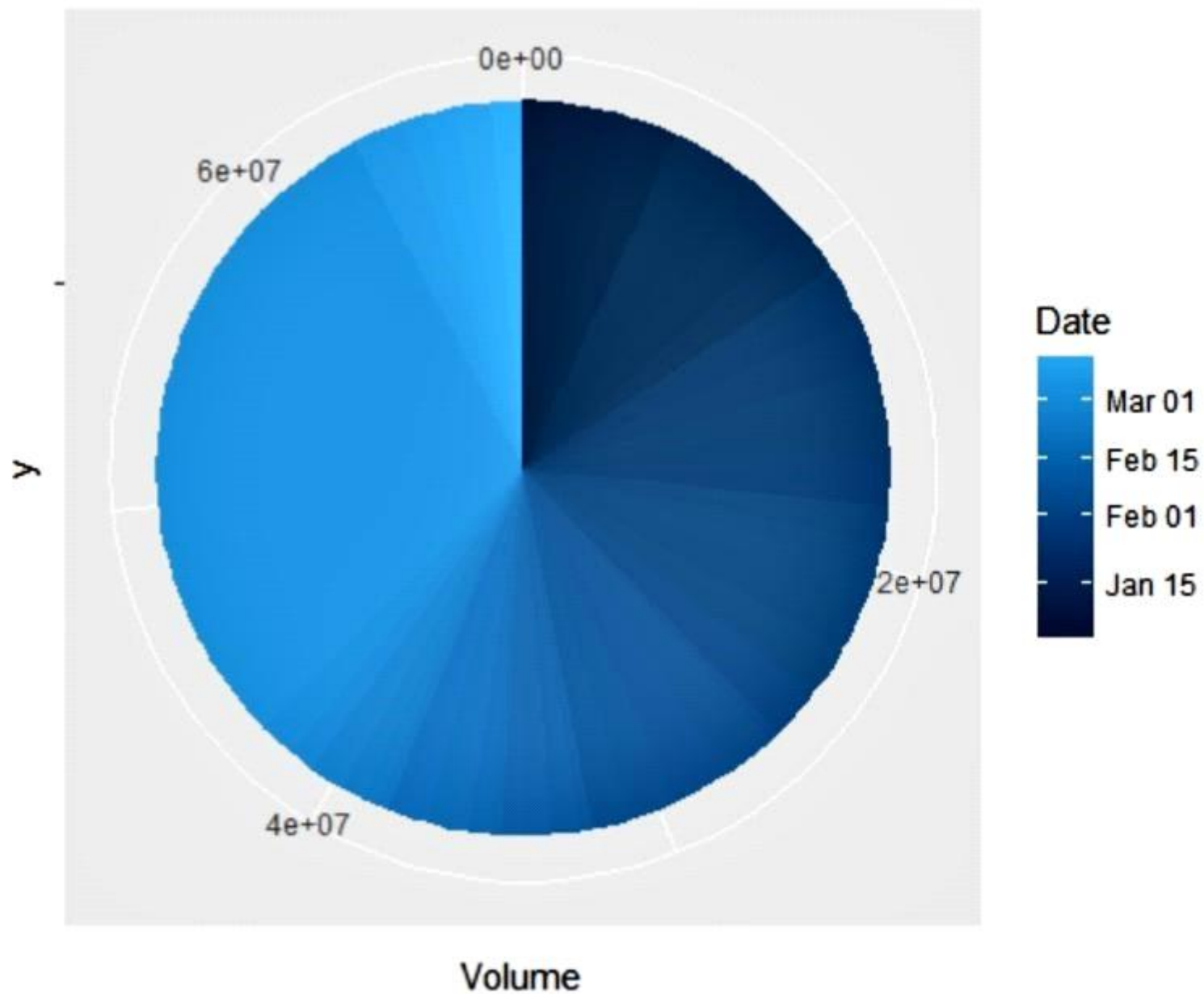
```
ggplot(Locusta, aes (x = Date, y = Volume)) + geom_point()
```

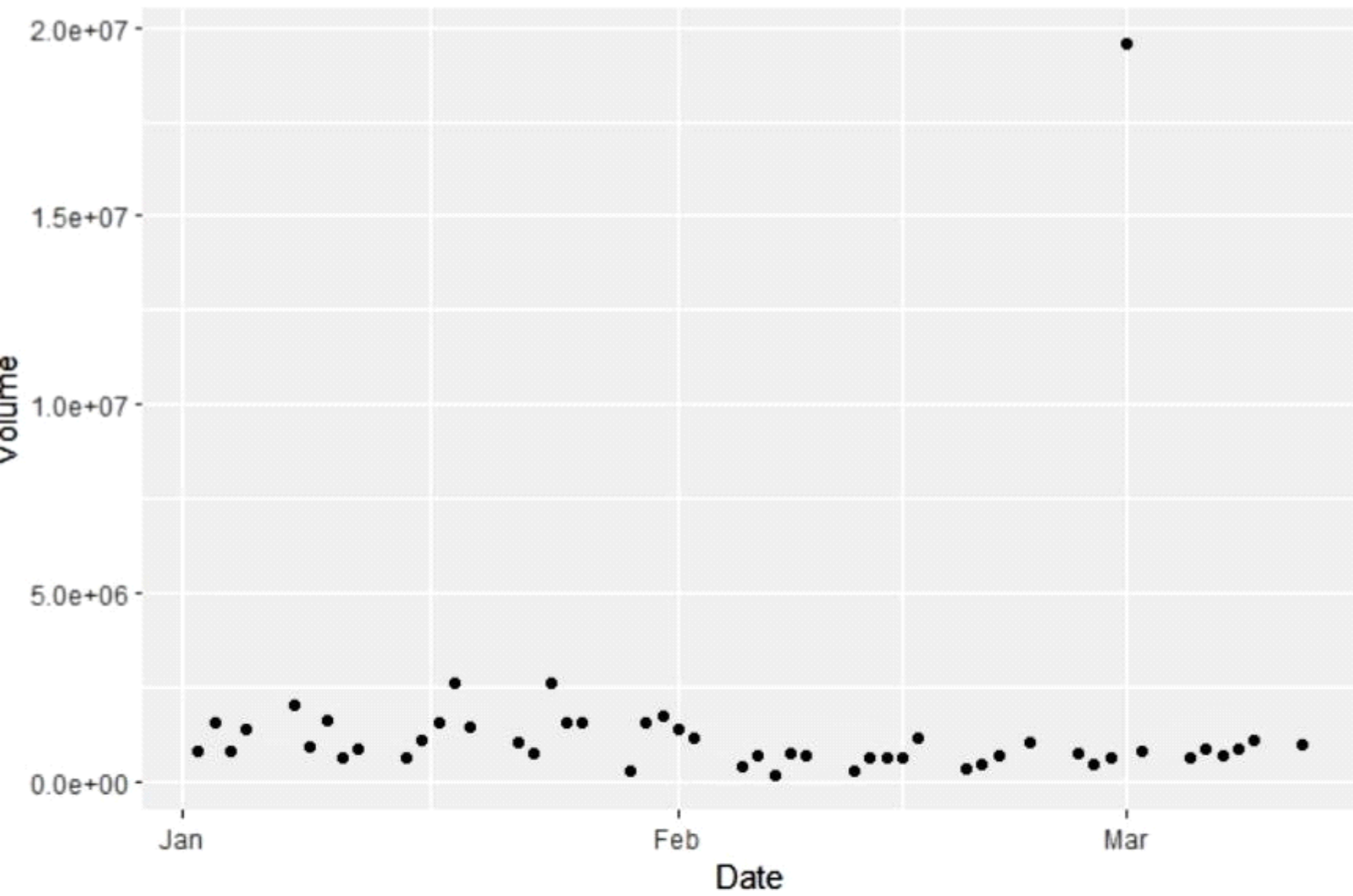
Line graph

```
ggplot(Locusta, aes (y = Date, x = Volume, group = High, colour = High))  
+ geom_line() + geom.
```










```
# A tibble: 100 x 7
```

```
# head(cocacola)
```

```
# A tibble: 6 x 7
```

```

Date                Open      High      Low      Close      Adj. Close      Volume
<date>              <dbl>    <dbl>    <dbl>    <dbl>    <dbl>    <dbl>
1 1962-01-02 00:00:00 0.244 0.270 0.243 0.263 0.0511 806400
2 1962-01-03 00:00:00 0.259 0.239 0.253 0.237 0.0504 1274400
3 1962-01-04 00:00:00 0.250 0.265 0.250 0.250 0.0504 844800
4 1962-01-05 00:00:00 0.239 0.262 0.253 0.253 0.0492 1420800
5 1962-01-08 00:00:00 0.251 0.231 0.240 0.252 0.0487 2032200
6 1962-01-09 00:00:00 0.253 0.237 0.240 0.255 0.0490 2600000

```

```
# tail(cocacola)
```

```
# A tibble: 6 x 7
```

```

Date                Open      High      Low      Close      Adj. Close      Volume
<date>              <dbl>    <dbl>    <dbl>    <dbl>    <dbl>    <dbl>
1 1962-03-05 00:00:00 0.240 0.240 0.237 0.237 0.0481 812800
2 1962-03-06 00:00:00 0.240 0.242 0.240 0.242 0.0471 883200
3 1962-03-07 00:00:00 0.242 0.242 0.239 0.239 0.0464 821200
4 1962-03-08 00:00:00 0.239 0.242 0.238 0.240 0.0460 883200
5 1962-03-09 00:00:00 0.240 0.243 0.235 0.237 0.0461 4112600
6 1962-03-12 00:00:00 0.240 0.242 0.240 0.242 0.0471 928400

```

```
# max(cocacola$volume)
```

```
[1] 19545600
```

```
# min(cocacola$volume)
```

```
[1] 192000
```

```
# mean(cocacola$volume)
```

```
[1] 1391804
```

```
# median(cocacola$volume)
```

```
[1] 883200
```

```
# quantile(cocacola$volume, 0.25)
```

```
25%
```

```
632800
```

```
# quantile(cocacola$volume, 0.50)
```

```
50%
```

```
883200
```

```
# quantile(cocacola$volume, 0.75)
```

```
75%
```

```
1420800
```

```
# adj(cocacola$volume)
```

```
[1] 2762777
```

```
# var(cocacola$volume)
```

```
[1] 7.305003e+12
```

```
#
```

```
# summary(cocacola)
```

```

Date                Open      High      Low      Close
Min. :1962-01-02 00:00:00 Min. :0.2344 Min. :0.2350 Min. :0.2331 Min. :0.2334
1st Qu.:1962-01-18 00:00:00 1st Qu.:0.2396 1st Qu.:0.2428 1st Qu.:0.2383 1st Qu.:0.2396
Median :1962-02-05 00:00:00 Median :0.2435 Median :0.2448 Median :0.2435 Median :0.2428
Mean :1962-02-04 11:13:29 Mean :0.2452 Mean :0.2472 Mean :0.2427 Mean :0.2446
3rd Qu.:1962-02-21 00:00:00 3rd Qu.:0.2474 3rd Qu.:0.2487 3rd Qu.:0.2454 3rd Qu.:0.2474
Max. :1962-03-12 00:00:00 Max. :0.2630 Max. :0.2702 Max. :0.2630 Max. :0.2630

Adj. Close      Volume
Min. :0.04537 Min. : 192000
1st Qu.:0.04658 1st Qu. : 652800
Median :0.04721 Median : 883200
Mean :0.04756 Mean : 1391804
3rd Qu.:0.04809 3rd Qu. : 1420800
Max. :0.05113 Max. :19545600

```

```
#
```

Date

Mar

Feb

Jan

0.0e+00

5.0e+06

1.0e+07

1.5e+07

2.0e+07

Volume

High

0.27

0.26

0.25

0.24

