Aw 3 shampoo sales . Csv

- Selecting working Directory
- setwd ("c:/users/Pawan/Documents")
- Reading of .csv file

mydata 1c - read.csv ("shampo - sales :csv")

- Installing gg plot package

install.Package ("ggplot 2")

- Using ggplot ( ) library

library (ggplot 2)

- Histogram

ggplot (mydata 1, aes (y = sales, x = month)) +

geo m_ bar (stat = "identity")

- Pie chart

ggplot (my data 1, aes (y = " ", files = Sales, x = month)) +

geom_bar (width = 1, stat = "identity") +

coord_polar ("x"; start = 0)

- Boxplot

gg plot (mydata 1, aes (x = month, y = sales)).

geom = box plot ()

Scatter plotting

ggplot (mydata 1, aes (x = month, y = sales) + geom

. point ()

Scatter plotting

```
ggplot(mydata1, aes(x = month, y = sales)) + geom_
    point()
```

Q4. Minimum

```
min(mydata1$Sale)
[1] 119.3
```

Maximum

```
max(mydata1$sales)
[1] 682
```

Mean

```
mean(mydata1$sales)
[1] 312.6
```

Median

```
median(mydata1$sales)
[1] 280.15
```

Quantile

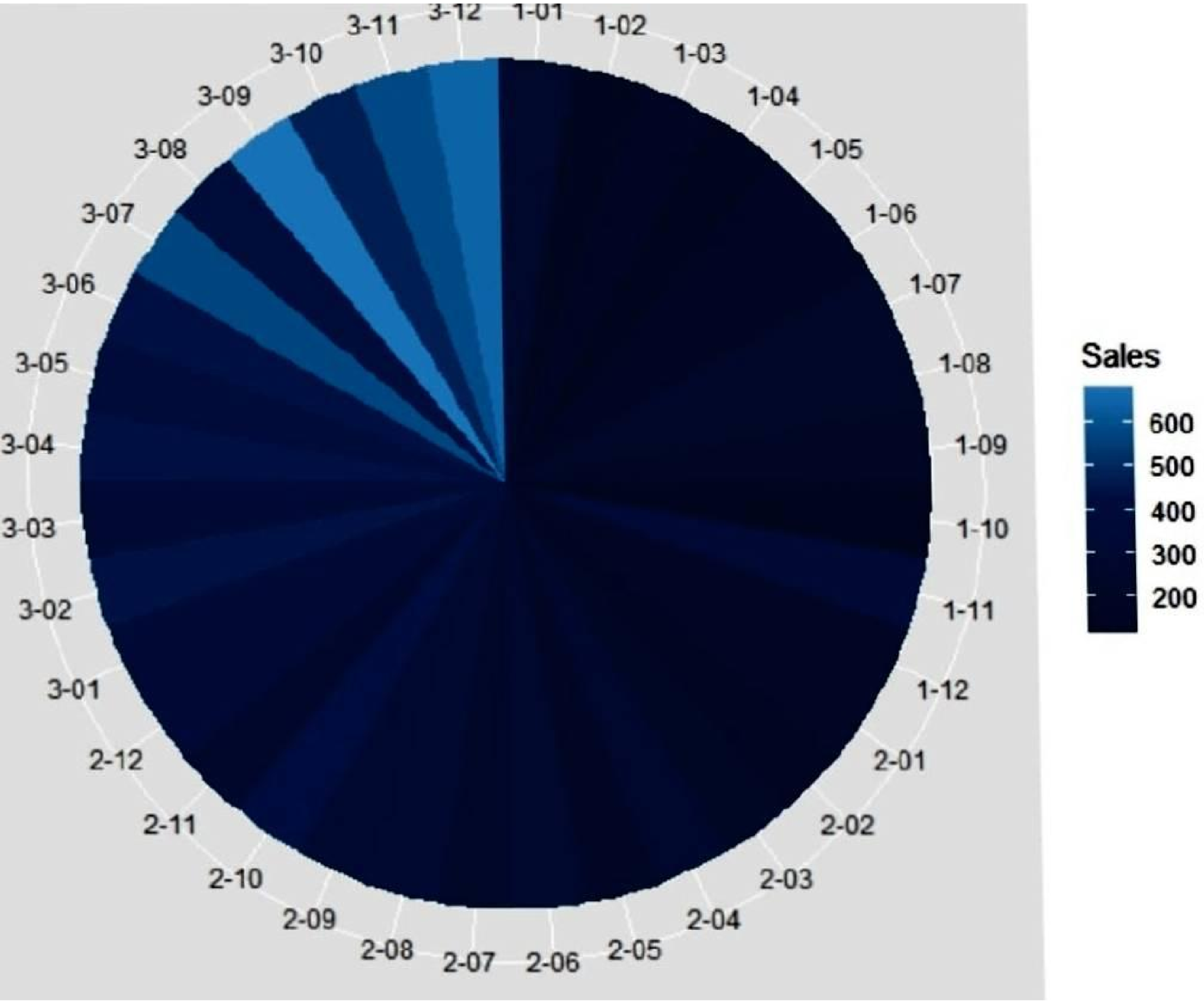
```
quantile(mydata1$sales, 0.75)
75%
quantile(mydata1$sales, 0.25)
```

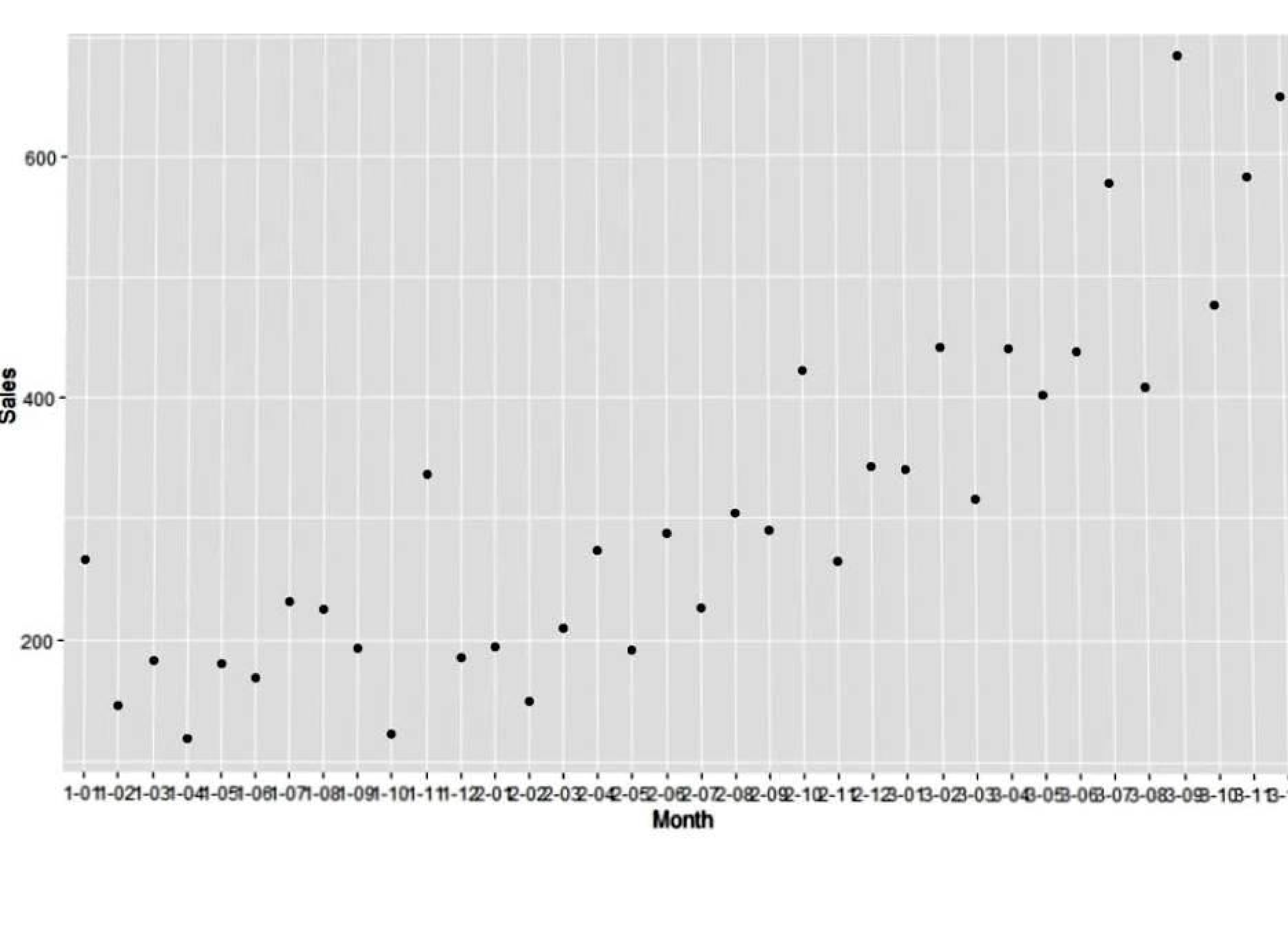
Standard deviation

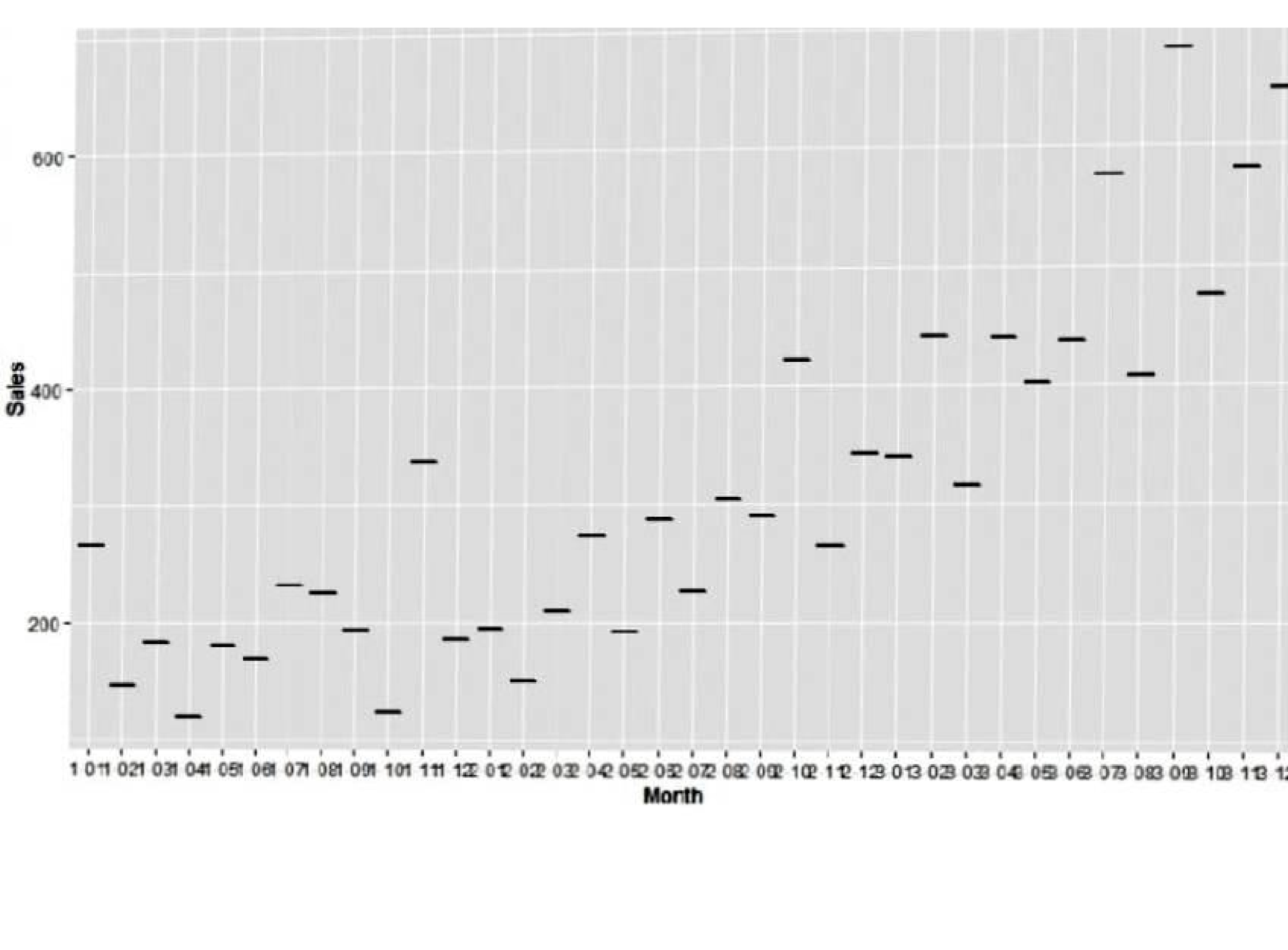
```
sd(mydata1$sales)
[1] 148.9372
```

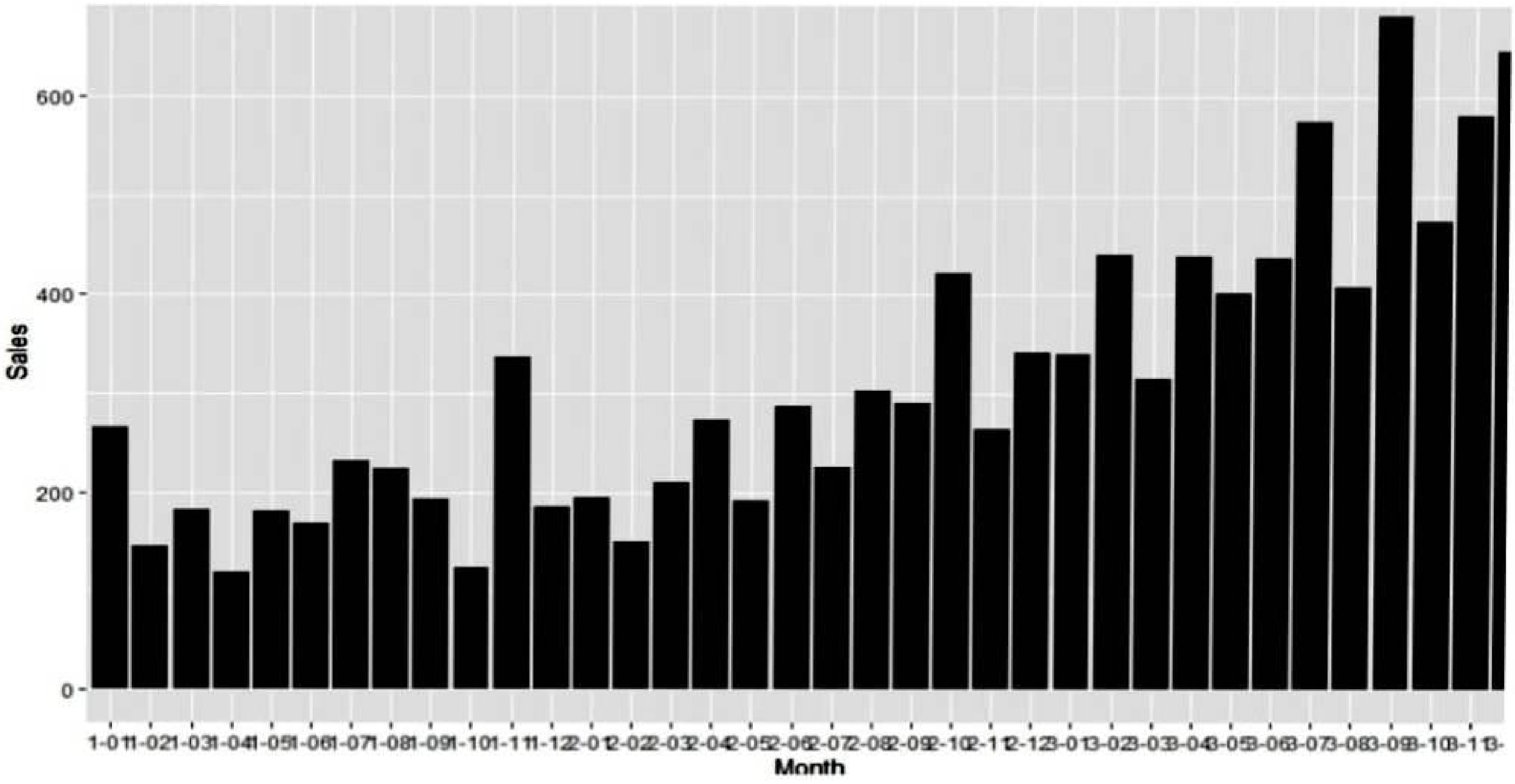
variance

```
var(mydata1$sales)
[1] 22182.28
```









```
> min(mydata1$Sales)
[1] 119.3
> max(mydata1$Sales)
[1] 682
> mean(mydata1$Sales)
[1] 312.6
> median(mydata1$Sales)
[1] 280.15
> quantile(mydata1$Sales,0.75)
   75%
411.1
> quantile(mydata1$Sales,0.25)
    25%
192.45
> sd(mydata1$Sales)
[1] 148.9372
> var(mydata1$Sales)
[1] 22182.28
> summary(mydata1)
```