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Subject : R programing

Class roll No. : 8

University roll No. : 2101131

End Term Examination Practical

A3 Softdrinks Sales.CSV

- Selecting working Directory
- Setwd("C:/Users/Nikhil/Documents")
- Reading of CSV file

```
my data1 <- read.CSV("Softdrinks_Sales:CSV")
```

- Installing ggplot package

```
install.Package("ggplot2")
```

- using ggplot() library

```
library(ggplot2)
```

- Histogram

```
gg plot(my data1, aes(y=Sales, x=math)) +
    geam-bar(stat="identity")
```

- piechart

```
ggPlot(my data 1, aes(y="", File=sales,
    x=math)) +
    gram-bar(width=1, stat="identity")+
    Coord - polar("x", start=0)
```

• Boxplot ggplot(mydata1, aes(x=math, y=salos));

geam=boxplot()

Scatter plotting

ggplot(mydata1, aes(x=math, y=salos)) +

geam.point().

A4

Minimum

min(mydata1$salo)

[1] 119.3

Maximum

max(mydata1$salos)

[1] 682

mean

mean(mydata1$salos)

[1] 312.6

median

median(mydata 1 $sales)

[1] 280.15

Quantile

quantile(mydata 1 $ sales, 0.75)

754.

quantile(mydata 1 $ Sales, 0.25)

Standard deviation

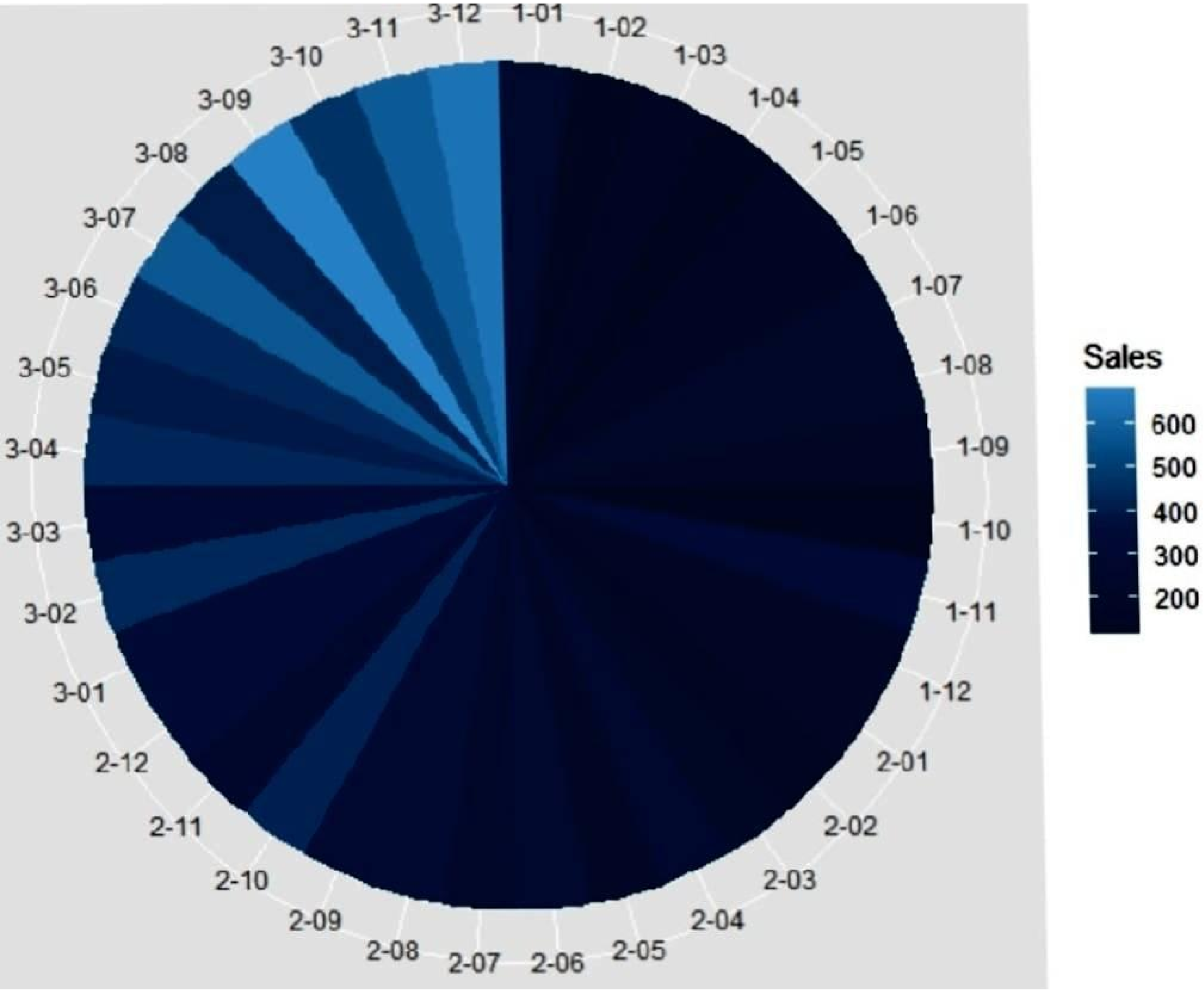
Sd(mydata 1 $sales)

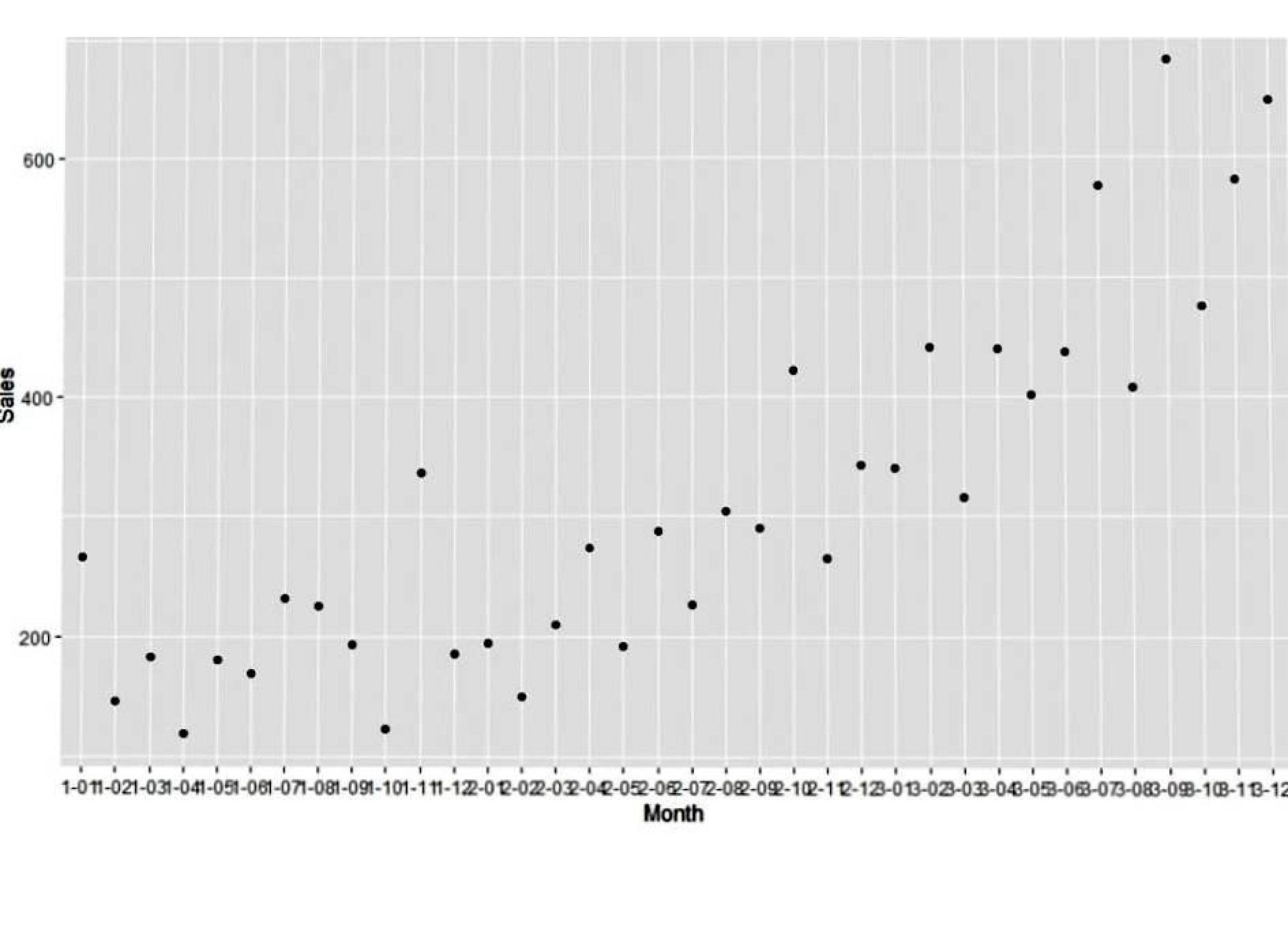
[1] 148.9372

varience

var(mydata 1 $sales)

[1] 22102.28





```
> 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)
```