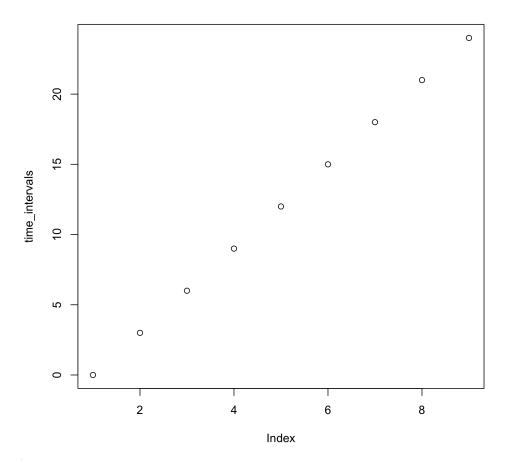
```
> 2+2
[1] 4
> exp(-2)
[1] 0.1353353
> log(100, base=10)
[1] 2
> runif(10)
[1] 0.7035010 0.2892962 0.8960792 0.4086522 0.1907459 0.7599422 0.7261450
[8] 0.2761790 0.6819366 0.9137866
> runif(10)
[1] 0.17045666 0.62535279 0.96996148 0.63252436 0.39853107 0.74142343
[7] 0.21129283 0.28525585 0.07125781 0.84588504
> runif(10)
[1] 0.6140847 0.5652051 0.5517840 0.1157735 0.1509509 0.4503752 0.5976014
[8] 0.6728928 0.6842925 0.1930530
> runif(10)
[1] 0.56497920 0.64798722 0.16750165 0.60995067 0.18871462 0.06220213
[7] 0.98970263 0.66171053 0.60717212 0.43955023
```

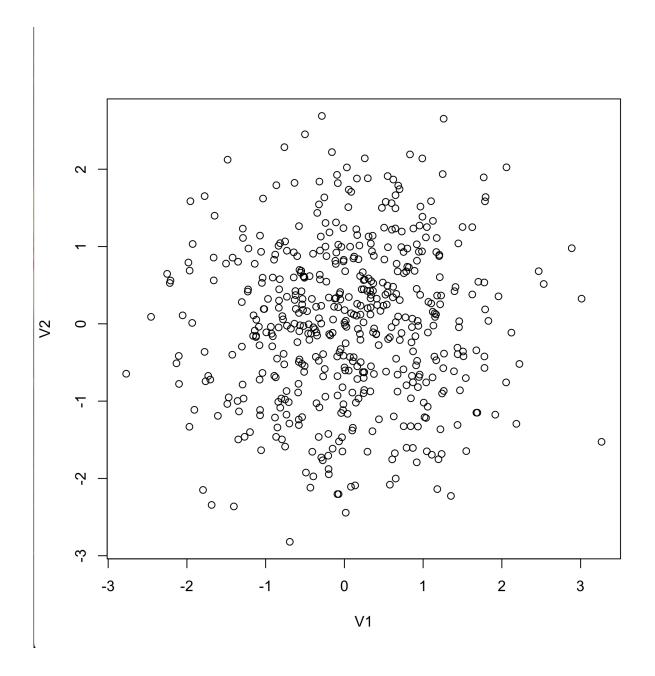
```
> x = 2
> x + x
[1] 4
> y = x + 3
> print y
Error: unexpected symbol in "print y"
> Print y
Error: unexpected symbol in "Print y"
> print(y)
[1] 5
> s = "this is a char str"
> print(s)
[1] "this is a char str"
>
```



```
> temperature = c(28, 29, 30, 31, 32)
> print(temperature)
[i] 28 29 30 31 32
> sales_q1 = c(100, 150, 200)
> sales_q2 = c(120, 180, 240)
> total_sales_01 <- sum(sales_01)
> total_sales_02 <- sum(sales_02)
> difference <= total_sales_01 - total_sales_02
> difference <= total_sales_01 - total_sales_02
> print(difference)
[i] -90
> grades <- c(85, 72, 90, 65, 88)
> print(grades[grades > 80])
[i] 85 90 88
> prices <- c(20, 30, 40, 50)
> time_intervals <- seq(0, 24, by = 3)
> plot(time_intervals)
> 2025-01-16 13:45:43.959 R[10076:61990] +[IMKClient subclass]: chose IMKClient_Modern
2025-01-16 13:45:43.959 R[10076:61990] +[IMKInputSession subclass]: chose IMKInputSession_Modern
> prices <- c(20, 30, 40, 50)
> prices(3) <- 35
Error in prices(3) <- 35
Error in prices(3) <- 35
> print(prices)
[i] 20 30 35 50
> print(prices)
[i] 20 30 35 50
```

```
> x < -c(5,10,15,20)
> y<-c(1,2,3,4)
> print(x + y)
[1] 6 12 18 24
> print(x-y)
[1] 4 8 12 16
> a <- c(2,4,6)
> b <- c(1,3,5)
> print(a*b)
[1] 2 12 30
> print(10c)
Error: unexpected symbol in "print(10c"
> print(10 * c)
Error in 10 * c : non-numeric argument to binary operator
> print(c * 10)
Error in c * 10 : non-numeric argument to binary operator
> d = c * 10
Error in c * 10 : non-numeric argument to binary operator
> c <- c(1,3,4,2)
> print(c*10)
[1] 10 30 40 20
> p <- c(100, 200, 300)
> q <- c(2, 4, 5)
> print(p/q)
[1] 50 50 60
> m < -c(10, 20, 30)
> n < -c(3, 5, 7)
> print(m %n)
Error: unexpected input in "print(m %n)"
> print(m %% n)
[1] 1 0 2
> v <- c(1, 2, 3, 4)
> print(v^4)
[1] 1 16 81 256
```

```
> data <- c(5, 10, 15, 20, 25, 30, 35)
> print(mean(data))
[1] 20
> data <- c(18, 22, 30, 40, 50)</pre>
> print(median(data))
[1] 30
> data <- c(5, 7, 10, 15, 20)</pre>
> print(sd(data))
[1] 6.107373
> data <- c(12, 18, 25, 30, 36)</pre>
> print(var(data))
[1] 90.2
> data <- c(3, 5, 7, 9, 11, 13, 15)
> print(quantile(data))
  0% 25% 50% 75% 100%
       6
            9
                 12
                      15
> data <- c(100, 200, 300, 400, 500)
> dummary(data)
Error in dummary(data) : could not find function "dummary"
> summary(data)
   Min. 1st Qu. Median
                           Mean 3rd Qu.
                                            Max.
    100
            200
                   300
                            300
                                    400
                                             500
> data <- c(2, 4, 6, 8, 10, 12)
> print(IQR(data))
[1] 5
> data <- c(10, 20, 30, 40, 50, 60, 70)
> print(fivenum(data))
[1] 10 25 40 55 70
> data <- c(1, 2, 3, 4, 5, 6, 7, 8, 9, 10)</pre>
> print(list(data))
[[1]]
 [1] 1 2 3 4 5 6 7 8 9 10
> print(summery(data))
Error in summery(data) : could not find function "summery"
> print(summary(data))
   Min. 1st Qu. Median
                           Mean 3rd Qu.
                                           Max.
   1.00
          3.25
                  5.50
                           5.50
                                   7.75
                                           10.00
> data <- c(7, 8, 9, 10, 12, 14, 16)
> print(quantile(data, probs = c(0.25, 0.5, 0.75)))
 25% 50% 75%
 8.5 10.0 13.0
```



```
> data <- read.table("d1.txt")</pre>
> summary(data)
      ۷1
                         V2
Min.
                          :-2.819800
       :-2.77120
                   Min.
 1st Qu.:-0.58403
                   1st Qu.:-0.688750
                   Median : 0.038650
 Median : 0.03610
Mean : 0.05106
                   Mean : 0.003601
 3rd Qu.: 0.73395
                   3rd Qu.: 0.685400
Max. : 3.26620
                   Max. : 2.689000
> plot(data)
> head(data$V1)
[1] 0.8706 0.3308 -1.3479 1.5479 -0.6166 -0.6986
```

```
library(ggplot2)

data <- data.frame(
    Age = c(23, 45, 34, 25, 36, 50, 41),
    Height = c(167, 175, 160, 162, 180, 170, 165),
    Weight = c(55, 70, 60, 58, 75, 68, 62)

summary_stats <- summary(data)
print("Summary Statistics:")
print(summary_stats)

ggplot(data, aes(x = Age, y = Height)) +
    geom_point() +
    labs(title = "Scatter Plot of Age vs Height", x = "Age", y = "Height")

ggplot(data, aes(x = Weight)) +
    geom_histogram(binwidth = 5, fill = "blue", color = "black") +
    labs(title = "Histogram of Weight", x = "Weight", y = "Frequency")

adata <- data.frame(
    Age = c(23, 45, 34, 25, 36, 50, 41),
    Height = c(167, 175, 160, 162, 180, 170, 165),
    Weight = c(167, 175, 160, 162, 180, 170, 165),
    Weight = c(167, 175, 160, 162, 180, 170, 165),
    Weight = c(167, 175, 160, 162, 180, 170, 165),
    Weight = c(167, 175, 160, 162, 180, 170, 165),
    Weight = c(167, 175, 160, 162, 180, 170, 165),
    Weight = c(167, 175, 160, 162, 180, 170, 165),
    Weight = c(167, 175, 160, 162, 180, 170, 165),
    Weight = c(167, 175, 160, 162, 180, 170, 165),
    Weight = c(167, 175, 160, 162, 180, 170, 165),
    Weight = c(167, 175, 160, 162, 180, 170, 165),
    Weight = c(167, 175, 160, 162, 180, 170, 165),
    Weight = c(167, 175, 160, 170, 165),
    Weight = c(167, 175, 160, 170, 165),
    Weight = c(167, 170, 160, 170, 160, 170, 160),
    Weight = c(167, 170, 170, 160),
    Weight = c(167, 170, 160, 170, 170, 170, 170, 170, 170, 1
```

