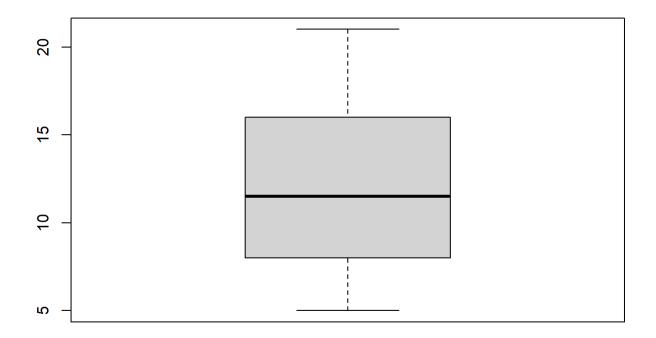
# scripts\_1.R

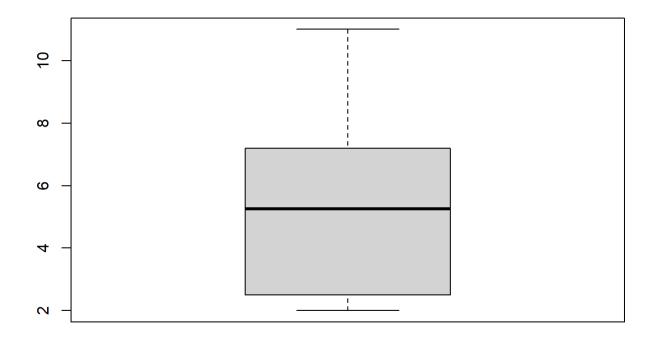
#### acile

2023-02-09

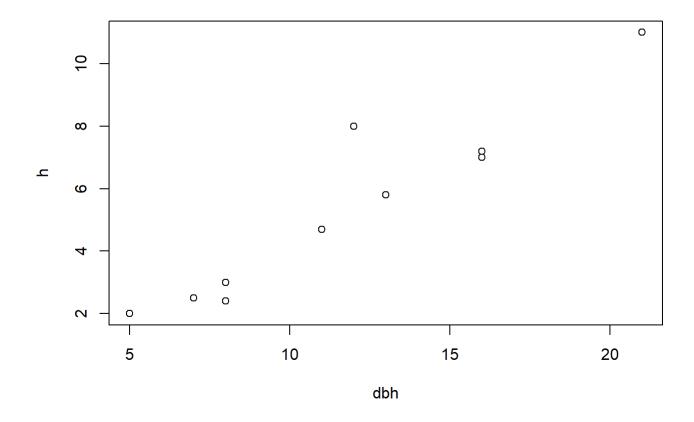
```
#Angelica Torres Garcia
#9 de febrero del 2023
#sesion 1 estadistica scripts
# Primera sesión ------
dbh <- 15
h <- 8
#multiplicación
dbh*h
## [1] 120
dbh <- c(12, 8, 7, 5, 11, 13, 16, 21, 8, 16)
dbh*h
## [1] 96 64 56 40 88 104 128 168 64 128
h <- c(8, 3, 2.5, 2, 4.7, 5.8, 7, 11, 2.4, 7.2)
dbh*h
## [1] 96.0 24.0 17.5 10.0 51.7 75.4 112.0 231.0 19.2 115.2
#boxplot
boxplot(dbh)
```



boxplot(h)

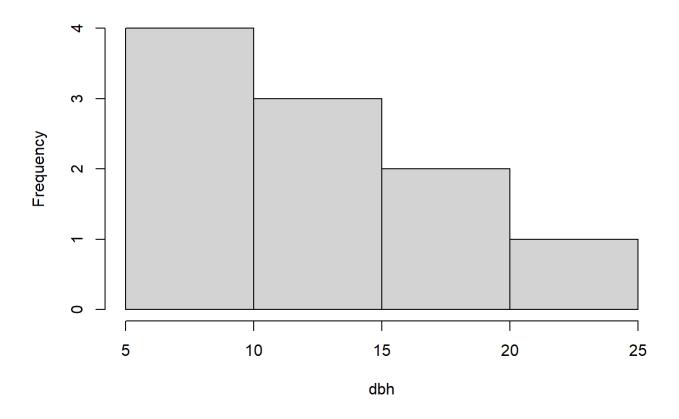


plot(dbh, h)



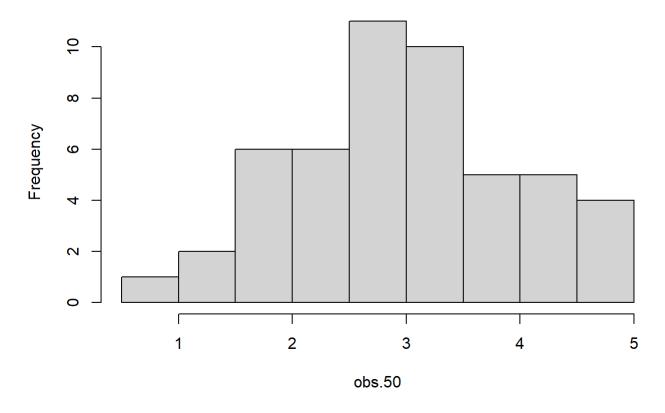
hist(dbh)

# Histogram of dbh

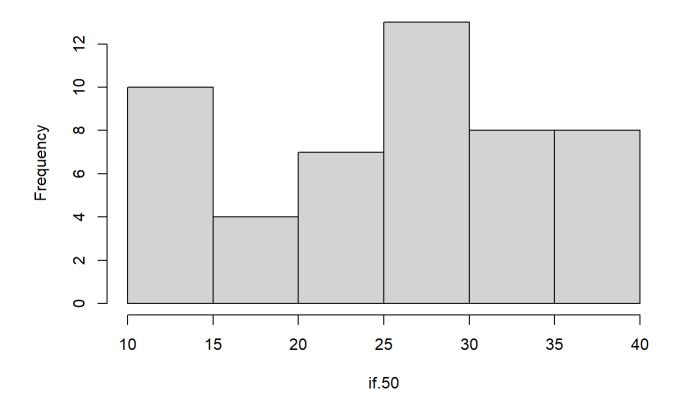


```
set.seed(13)
?rnorm
obs.50 <- rnorm(50, mean = 3)
hist(obs.50)</pre>
```

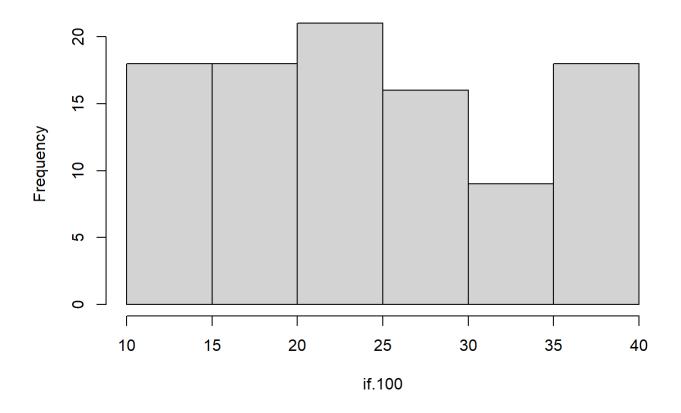
### Histogram of obs.50



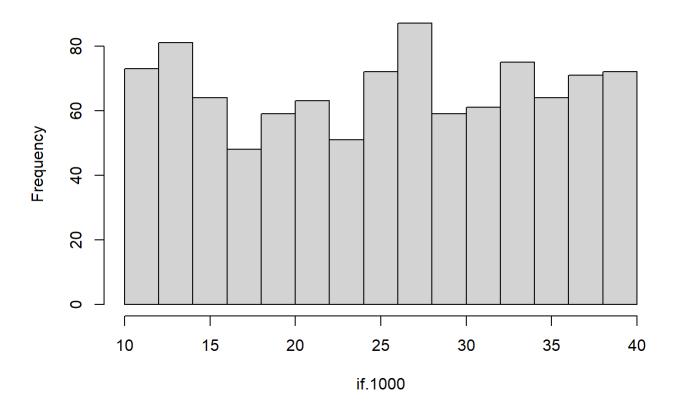
```
set.seed(13)
if.50 <- runif(50, min = 10, max = 40)
hist(if.50)</pre>
```



if.100 <- runif(100, min = 10, max = 40)
hist(if.100)</pre>



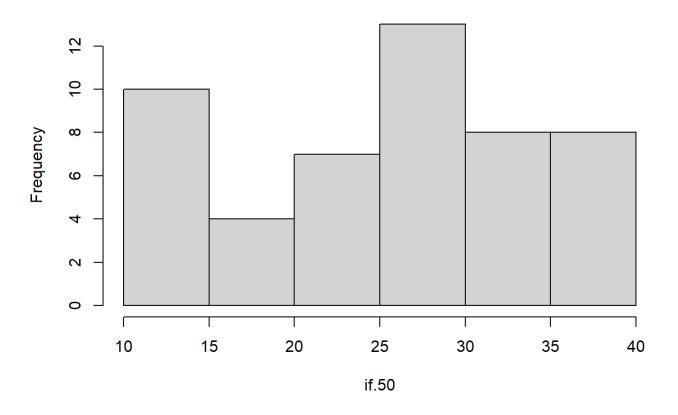
if.1000 <- runif(1000, min = 10, max = 40)
hist(if.1000)</pre>



```
stem(if.50)
```

```
##
    The decimal point is 1 digit(s) to the right of the |
##
##
     1 | 0112333344
##
     1 | 77
##
     2 | 001122344
##
     2 | 666778888999
##
     3 | 000012334
##
     3 | 66678899
##
```

```
hist(if.50)
```



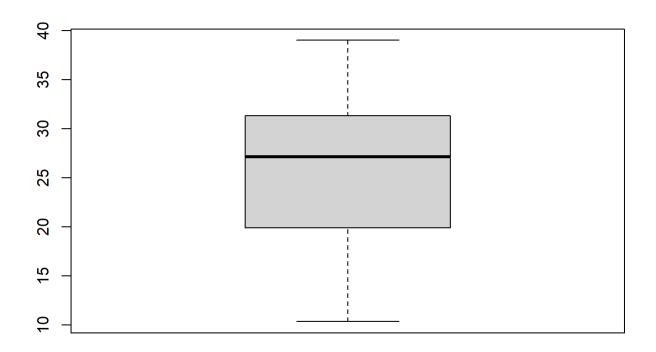


## [1] 25.3432

fivenum(if.50)

## [1] 10.32800 19.87381 27.10863 31.30967 39.00500

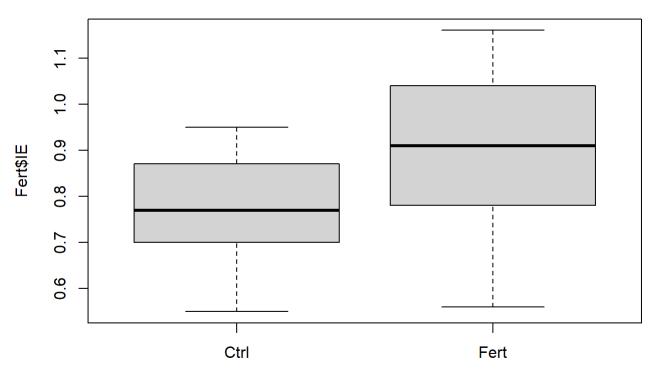
boxplot(if.50)



#igual a ==

```
#diferente a !=
#igual o mayor
#igual o menor
#mayor que
#menor que
if.50<= median(if.50)
   [1] FALSE TRUE TRUE TRUE FALSE TRUE FALSE FALSE FALSE TRUE FALSE FALSE
## [13] FALSE
             TRUE FALSE TRUE TRUE FALSE FALSE TRUE
                                                           TRUE FALSE
## [25] TRUE FALSE TRUE TRUE TRUE FALSE TRUE TRUE FALSE FALSE TRUE TRUE
## [37] TRUE TRUE FALSE TRUE FALSE TRUE FALSE FALSE FALSE TRUE TRUE
## [49] FALSE FALSE
dbh.50 <- subset(if.50, if.50 <= median(if.50))</pre>
dbh.up50 <- subset(if.50, if.50 >= median(if.50))
dbh.up30 <- subset(if.50, if.50 >30)
dbh.up30
   [1] 31.30967 38.86194 32.93194 36.20147 36.35113 36.71677 35.96354 30.41571
```

[9] 30.33739 37.56123 34.26281 32.76192 39.00500 37.56994 31.97295 30.41875



boxplot(Fert\$IE ~ Fert\$Tratamiento)

Fert\$Tratamiento

```
xlab ="Ttatamientos"
ylab = " indice de Esbeltez"
col = "pink"
main = " vivero Bosque Escuela"
las = 1
ylim =c(0.4, 1.4)
```