Tarea 2 .R

Yarely Davila Martinez

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```
setwd("C:/Repositorios/Met_Est_2024")

conjunto <- read.csv("base de datos tarea 2.csv", header=TRUE)

H.media <- which(conjunto$Altura<=mean(conjunto$Altura))
H.media
```

```
##  [1]  4  5 14 15 16 20 21 22 26 27 30 31 32 35 38 39 40 41 43 44 45 46
47 48
```

```
H.16 <- which(conjunto$Altura<16.5)
H.16
```

```
##  [1]  1  4  5  6  7  9 10 13 14 15 16 17 20 21 22 24 25 26 27 28 29 30
31 32 34
## [26] 35 36 38 39 40 41 42 43 44 45 46 47 48 50
```

```
vecinos_3 <- which(conjunto$Vecinos<=3)
vecinos_3
```

```
##  [1]  2  6  7  8 11 13 14 16 17 18 20 23 25 27 28 29 30 31 36 37 38 41
42 46 49
## [26] 50
```

```
vecinos_4 <- which(conjunto$Vecinos>4)
vecinos_4
```

```
##  [1]  3  5 10 12 21 32 34 40 44 47 48
```

```
DBH.media <- which(conjunto$Diametro<mean(conjunto$Diametro))
DBH.media
```

```
##  [1]  1  4  5  6 11 12 16 19 21 24 28 31 32 33 34 35 39 40 41 42 44 45
46 47 48
```

```
DBH_16 <- which(conjunto$Diametro>16)
DBH_16
```

```
##  [1]  2  3  7  8  9 10 13 14 15 17 18 20 22 23 25 27 29 30 36 37 38 43
49 50
```

```
Especie <- c("cegro rojo", "Tsuga heterófilia", "Douglasia verde")
Especie
```

```
## [1] "cegro rojo"        "Tsuga heterófilia" "Douglasia verde"
```

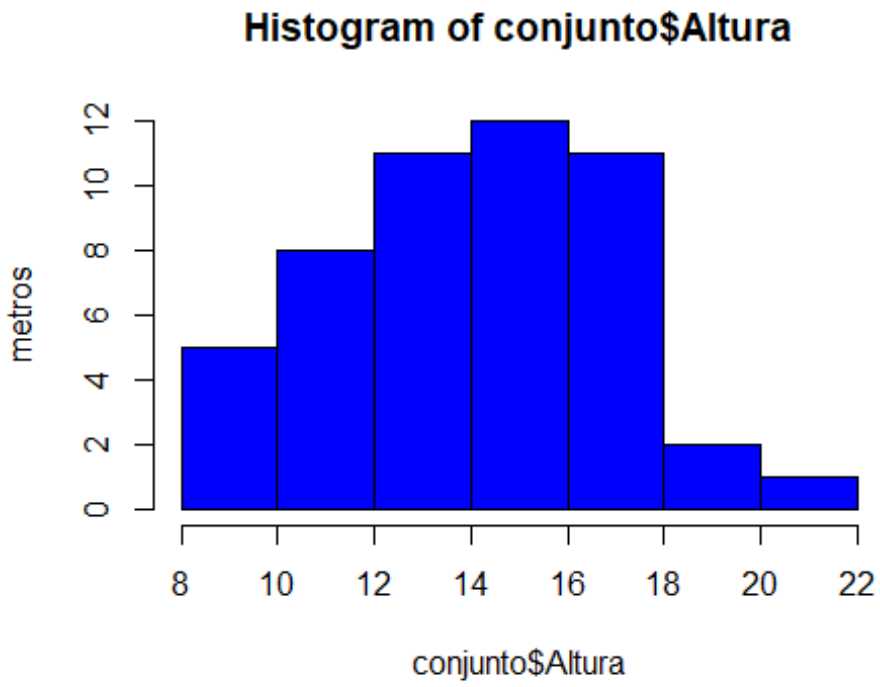
```
Diametro_16.9 <- which(conjunto$Diametro<=16.9)
Diametro_16.9
```

```
##  [1]  1  4  5  6 10 11 12 14 16 19 21 22 24 26 27 28 31 32 33 34 35 39
40 41 42
## [26] 43 44 45 46 47 48
```

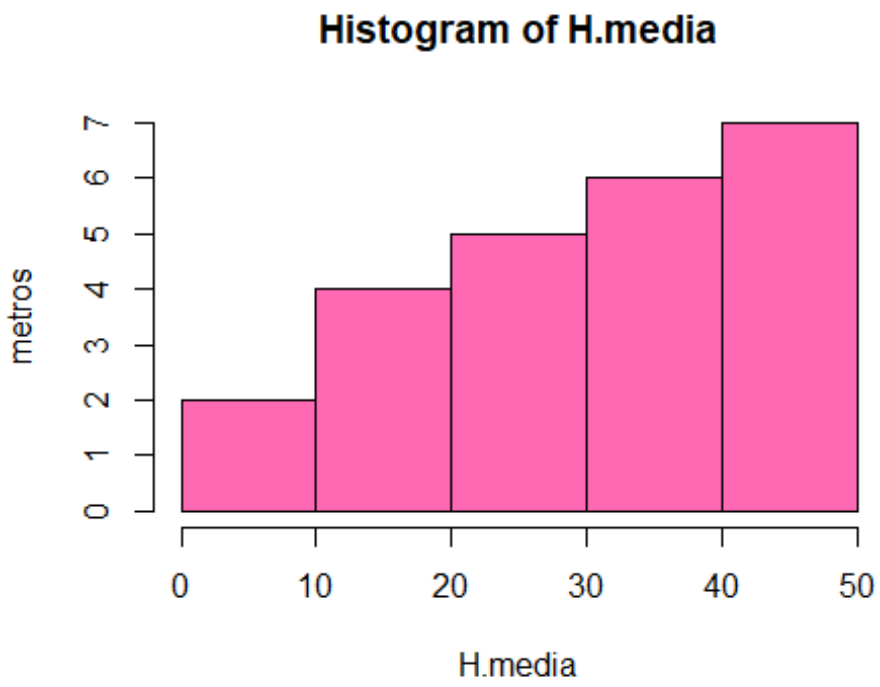
```
Altura_18.5 <- which(conjunto$Altura>18.5)
Altura_18.5
```

```
## [1] 18 23
```

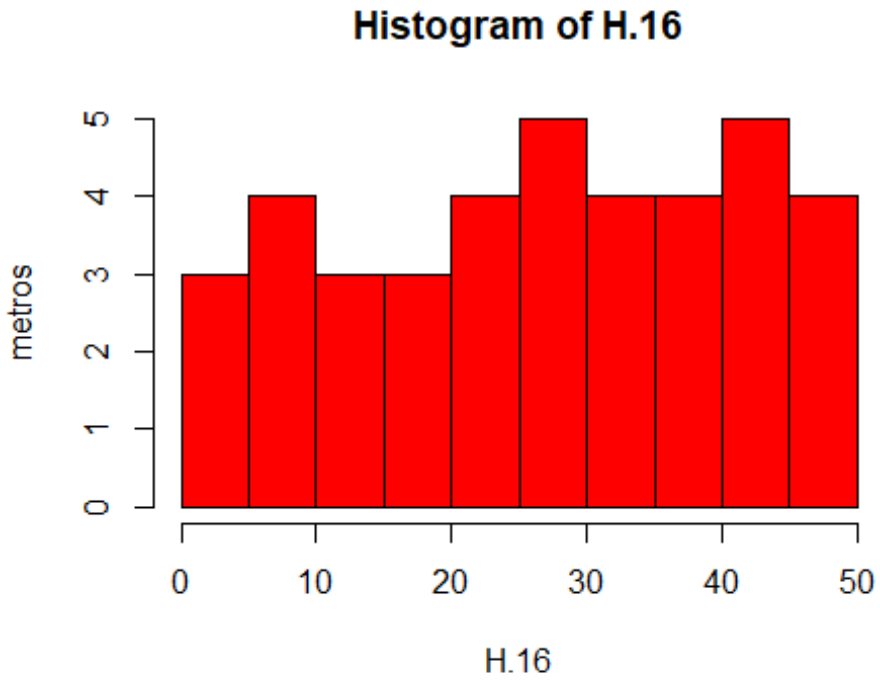
```
hist(conjunto$Altura,
     ylab = "metros",
     col = "blue")
```



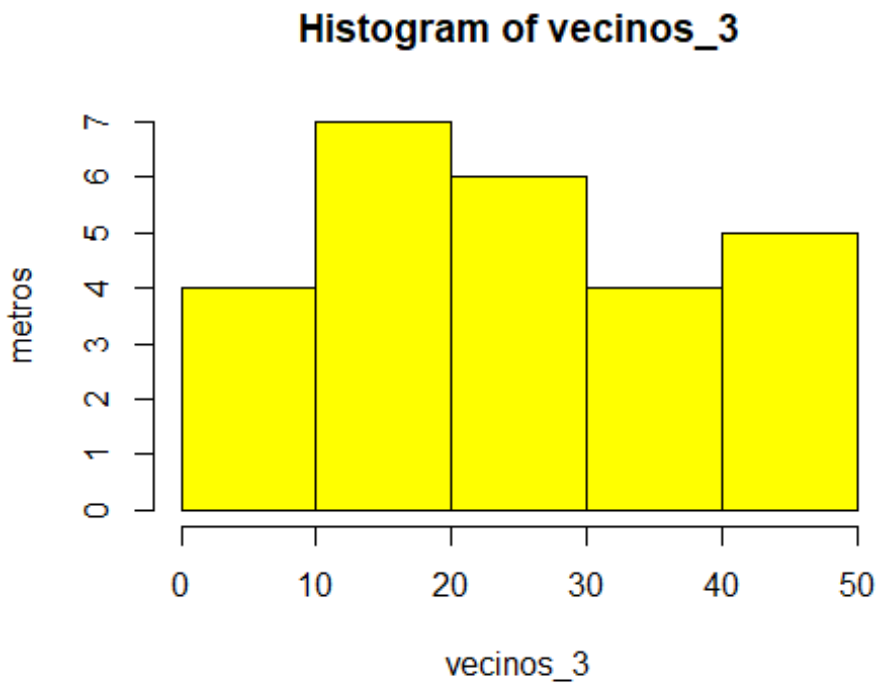

```
hist(H.media,
     ylab = "metros",
     col = "hotpink")
```



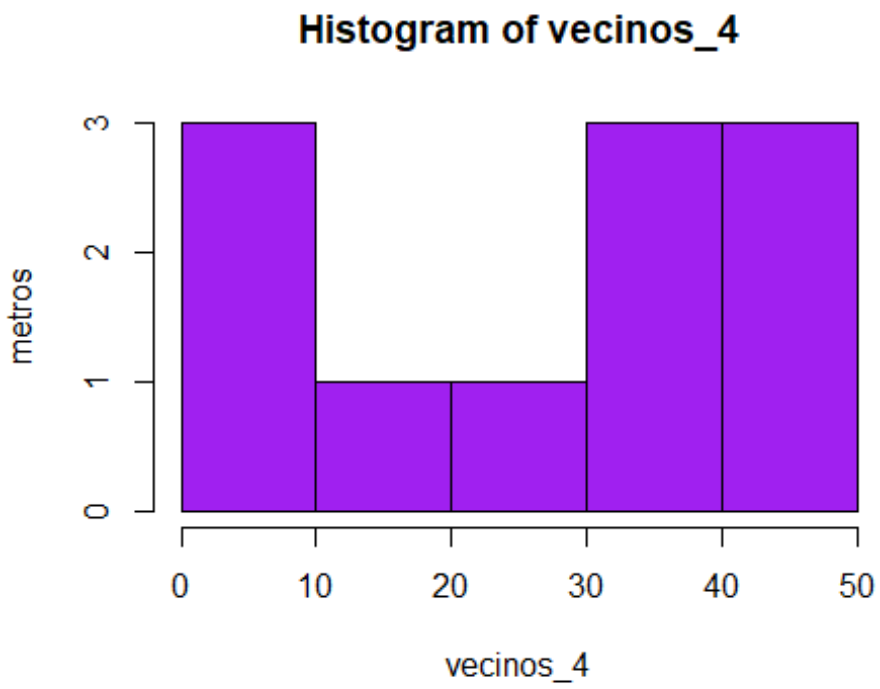

```
hist(H.16,
     ylab = "metros",
     col = "red")
```



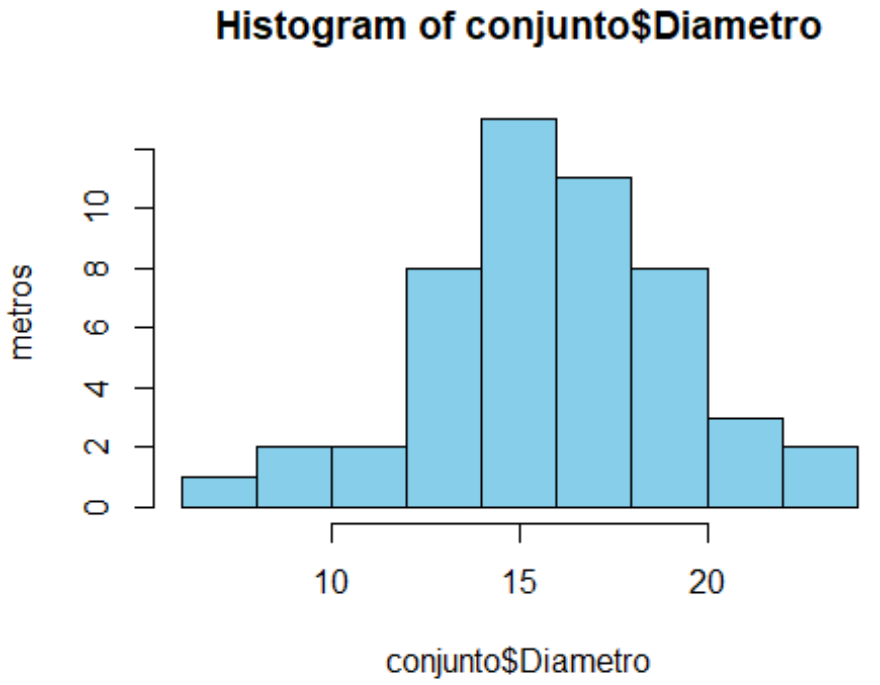
```
hist(vecinos_3,
     ylab = "metros",
     col = "yellow")
```



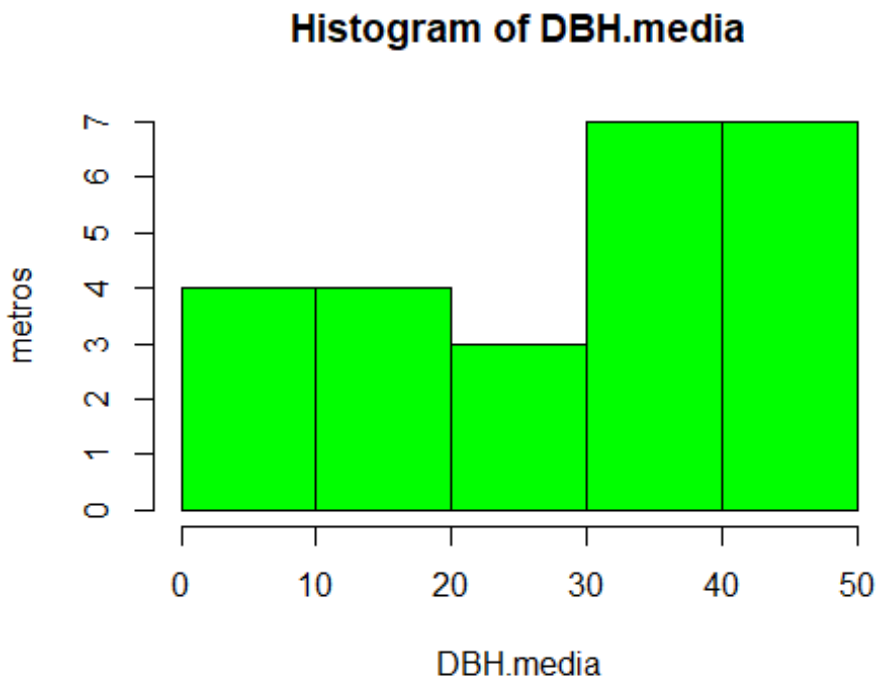

```
hist(vecinos_4,
     ylab = "metros",
     col = "purple")
```



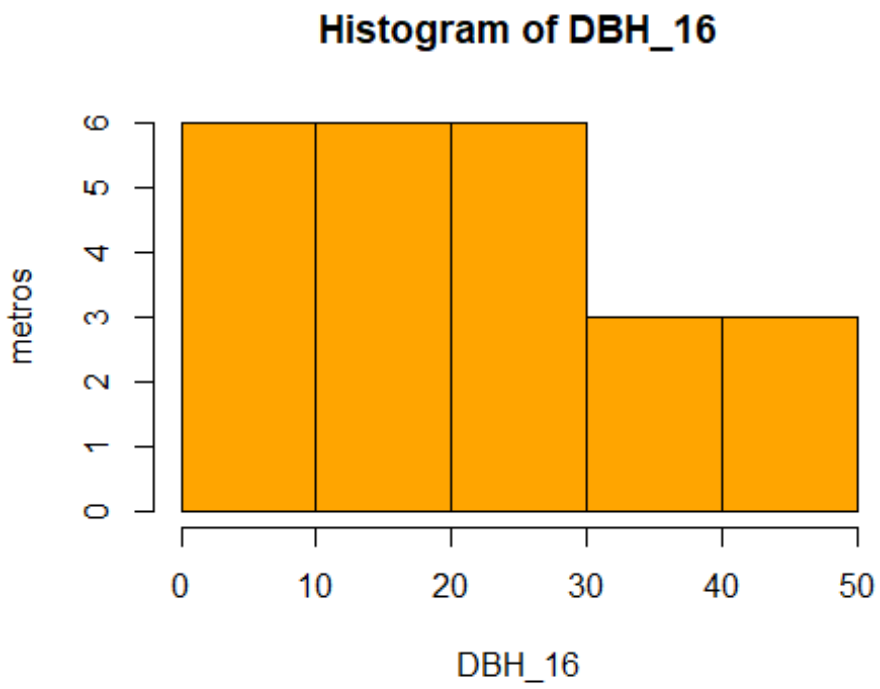

```
hist(conjunto$Diametro,
     ylab = "metros",
     col = "skyblue")
```



```
hist(DBH.media,
     ylab = "metros",
     col = "green")
```




```
hist(DBH_16,
     ylab = "metros",
     col = "orange")
```




```
mean(conjunto$Altura)
## [1] 13.9432
sd(conjunto$Altura)
## [1] 2.907177
mean(H.media)
## [1] 30.375
sd(H.media)
## [1] 13.35083
mean(H.16)
## [1] 27.17949
sd(H.16)
## [1] 14.23463
mean(vecinos_3)
## [1] 25.53846
sd(vecinos_3)
```

```
## [1] 13.98637
mean(vecinos_4)
## [1] 26.90909
sd (vecinos_4)
## [1] 17.2711
mean(conjunto$Diametro)
## [1] 15.794
sd(conjunto$Diametro)
## [1] 3.227017
mean(DBH.media)
## [1] 28.16
sd(DBH.media)
## [1] 15.20329
mean(DBH_16)
## [1] 22.70833
sd(DBH_16)
## [1] 13.98906
```