Practica1

search()

## [1] ".GlobalEnv" "package:stats" "package:graphics"   
## [4] "package:grDevices" "package:utils" "package:datasets"   
## [7] "package:methods" "Autoloads" "package:base"

library(help=datasets)  
  
library(datasets)  
library(rmarkdown)  
  
data <- chickwts

^

names(data)

## [1] "weight" "feed"

head(data)

## weight feed  
## 1 179 horsebean  
## 2 160 horsebean  
## 3 136 horsebean  
## 4 227 horsebean  
## 5 217 horsebean  
## 6 168 horsebean

tail(data)

## weight feed  
## 66 352 casein  
## 67 359 casein  
## 68 216 casein  
## 69 222 casein  
## 70 283 casein  
## 71 332 casein

table(data)

## feed  
## weight casein horsebean linseed meatmeal soybean sunflower  
## 108 0 1 0 0 0 0  
## 124 0 1 0 0 0 0  
## 136 0 1 0 0 0 0  
## 140 0 1 0 0 0 0  
## 141 0 0 1 0 0 0  
## 143 0 1 0 0 0 0  
## 148 0 0 1 0 0 0  
## 153 0 0 0 1 0 0  
## 158 0 0 0 0 1 0  
## 160 0 1 0 0 0 0  
## 168 0 1 0 0 0 0  
## 169 0 0 1 0 0 0  
## 171 0 0 0 0 1 0  
## 179 0 1 0 0 0 0  
## 181 0 0 1 0 0 0  
## 193 0 0 0 0 1 0  
## 199 0 0 0 0 1 0  
## 203 0 0 1 0 0 0  
## 206 0 0 0 1 0 0  
## 213 0 0 1 0 0 0  
## 216 1 0 0 0 0 0  
## 217 0 1 0 0 0 0  
## 222 1 0 0 0 0 0  
## 226 0 0 0 0 0 1  
## 227 0 1 0 0 0 0  
## 229 0 0 1 0 0 0  
## 230 0 0 0 0 1 0  
## 242 0 0 0 1 0 0  
## 243 0 0 0 0 1 0  
## 244 0 0 1 0 0 0  
## 248 0 0 0 0 2 0  
## 250 0 0 0 0 1 0  
## 257 0 0 1 1 0 0  
## 258 0 0 0 1 0 0  
## 260 1 0 1 0 0 0  
## 263 0 0 0 1 0 0  
## 267 0 0 0 0 1 0  
## 271 0 0 1 0 1 0  
## 283 1 0 0 0 0 0  
## 295 0 0 0 0 0 1  
## 297 0 0 0 0 0 1  
## 303 0 0 0 1 0 0  
## 309 0 0 1 0 0 0  
## 315 0 0 0 1 0 0  
## 316 0 0 0 0 1 0  
## 318 1 0 0 0 0 1  
## 320 0 0 0 0 0 1  
## 322 0 0 0 0 0 1  
## 325 0 0 0 1 0 0  
## 327 0 0 0 0 1 0  
## 329 0 0 0 0 1 0  
## 332 1 0 0 0 0 0  
## 334 0 0 0 0 0 1  
## 339 0 0 0 0 0 1  
## 340 0 0 0 0 0 1  
## 341 0 0 0 0 0 1  
## 344 0 0 0 1 0 0  
## 352 1 0 0 0 0 0  
## 359 1 0 0 0 0 0  
## 368 1 0 0 0 0 0  
## 379 1 0 0 0 0 0  
## 380 0 0 0 1 0 0  
## 390 1 0 0 0 0 0  
## 392 0 0 0 0 0 1  
## 404 1 0 0 0 0 0  
## 423 0 0 0 0 0 1

summary(data)

## weight feed   
## Min. :108.0 casein :12   
## 1st Qu.:204.5 horsebean:10   
## Median :258.0 linseed :12   
## Mean :261.3 meatmeal :11   
## 3rd Qu.:323.5 soybean :14   
## Max. :423.0 sunflower:12

typeof(data)

## [1] "list"

typeof(data$weight)

## [1] "double"

typeof(data$feed)

## [1] "integer"

media <- sum(data$weight)/length(data$weight);media

## [1] 261.3099

calculo <- (max(data$weight) + min(data$weight))/2;calculo

## [1] 265.5

plot( data$feed, data$weight,   
 main="Peso en funcion del metodo de alimento",  
 ylab="kilograms",  
 xlab="feeding type",  
 col="green")

