

```

#GUIA 6

getwd()

## [1] "C:/Users/Roxy/Documents/ROXANA BEATRIZ RONQUILLO UMAA/Guias de R"

setwd("C:/Users/Roxy/Documents/jjjjjjjjjj")
Tipo <- c("CC", "PC", "SC"); Tipo

## [1] "CC" "PC" "SC"

Consumo <- sample(Tipo, 20, replace=TRUE); Consumo

## [1] "PC" "PC" "SC" "SC" "CC" "PC" "PC" "PC" "CC" "PC" "SC" "PC" "SC" "CC"
## [15] "SC" "SC" "PC" "SC" "CC" "SC"

data.entry(Consumo)
write(Consumo, "Consumo.txt")
ls()

## [1] "Consumo" "Tipo"

rm(list=ls(all=TRUE))
ls()

## character(0)

Consumo <- scan("Consumo.txt", what = character(), na.strings = "NA", flush=FALSE); Consumo

## [1] "PC" "PC" "SC" "SC" "CC" "PC" "PC" "PC" "CC" "PC" "SC" "PC" "SC" "CC"
## [15] "SC" "SC" "PC" "SC" "CC" "SC"

ls()

## [1] "Consumo"

frec <- table(Consumo); frec

## Consumo
## CC PC SC
## 4 8 8

prop <- table(Consumo)/length(Consumo); prop

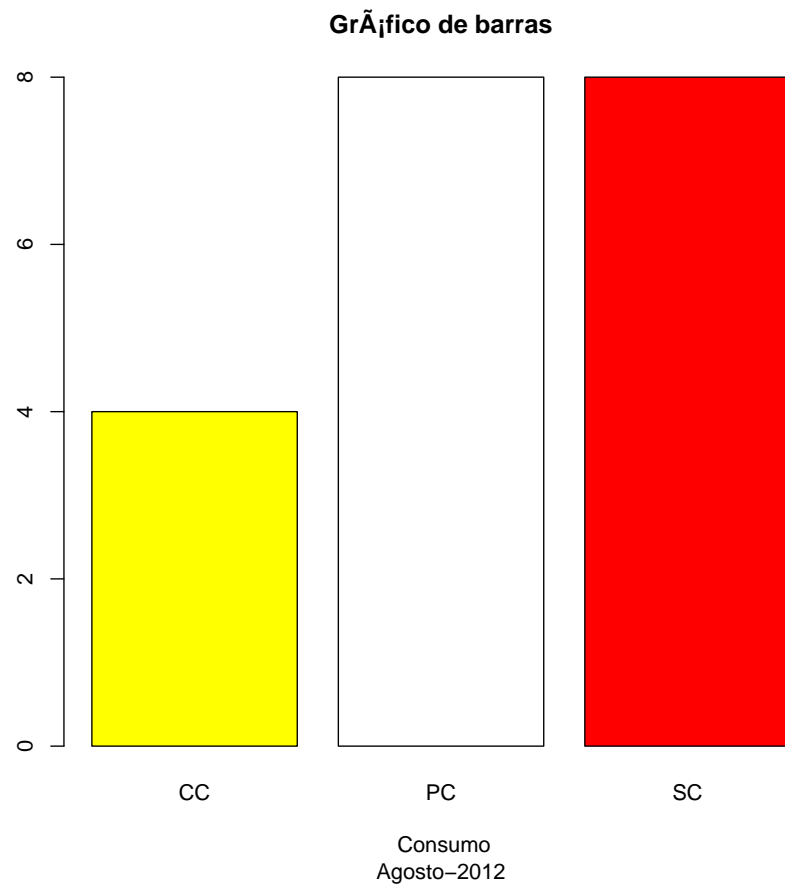
## Consumo
## CC PC SC
## 0.2 0.4 0.4

summary(Consumo)

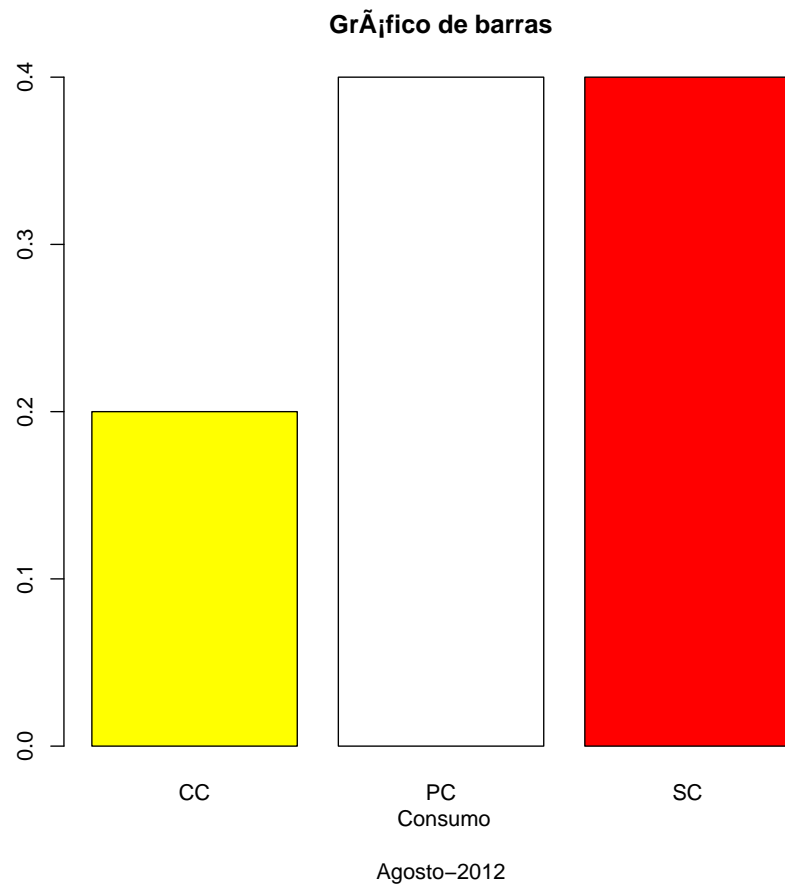
##      Length      Class      Mode
##      20 character character

barplot(frec, main="Grfico de barras", xlab=" Consumo", col=c("yellow", "white", "red"), sub=

```

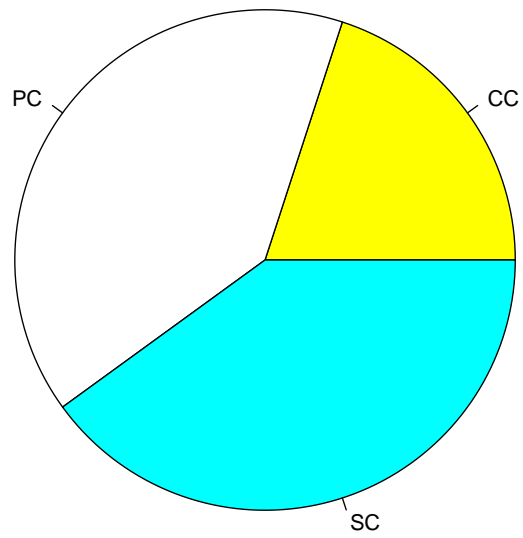


```
barplot(prop, main="Gráfico de barras", xlab=" Consumo\n", col=c("yellow", "white","red"), su
```



```
pie(frec, main="Gráfico de pastel", xlab="Tipo de Consumo", col=c("yellow", "white", "cyan"),
```

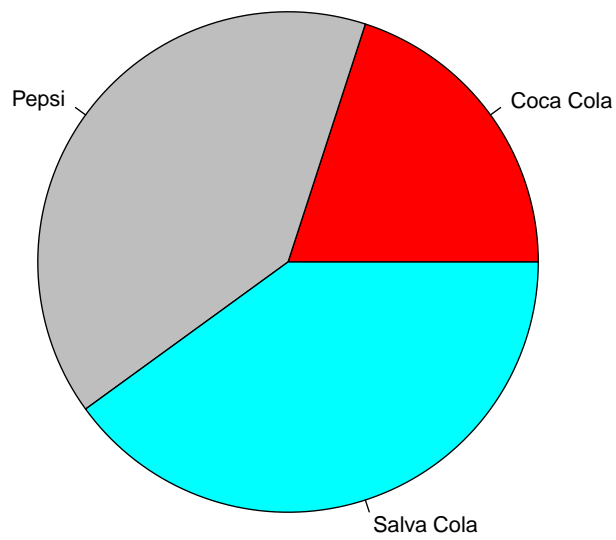
Gráfico de pastel



Tipo de Consumo
Agosto-2012

```
names(frec) = c("Coca Cola", "Pepsi", "Salva Cola")  
pie(frec, main="Gráfico de pastel", xlab=" Consumo", radius=0.8, col=c("red", "gray", "cyan"))
```

Gráfico de pastel



Consumo
Agosto-2012

```
n <- length(frec)
hoja <- data.frame(frec); hoja

##      Var1 Freq
## 1 Coca Cola   4
## 2 Pepsi      8
## 3 Salva Cola  8

etiq <- c(paste(hoja$Var1, "-", hoja$Freq)); etiq

## [1] "Coca Cola - 4" "Pepsi - 8" "Salva Cola - 8"

pie(frec, main="Gráfico de pastel", labels=etiq, col=rainbow(n), border=TRUE)
```

Gráfico de pastel

