Graficos Basicos

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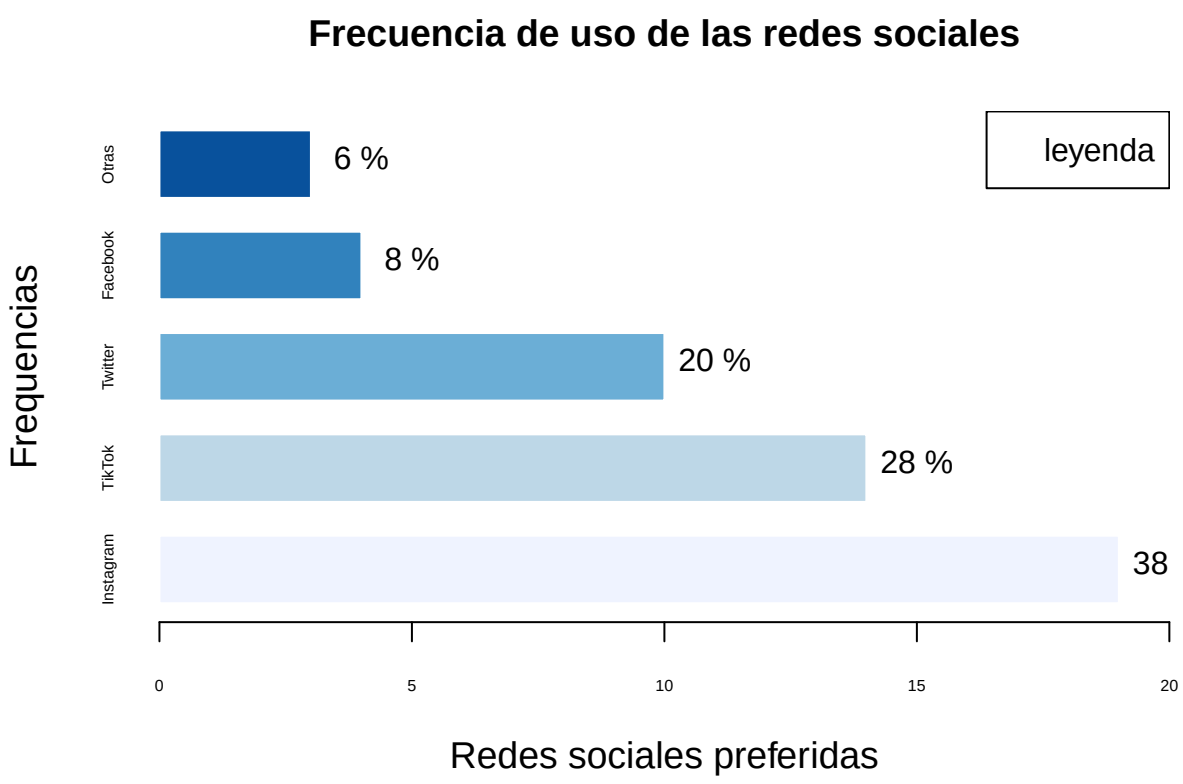
Importacion de datos

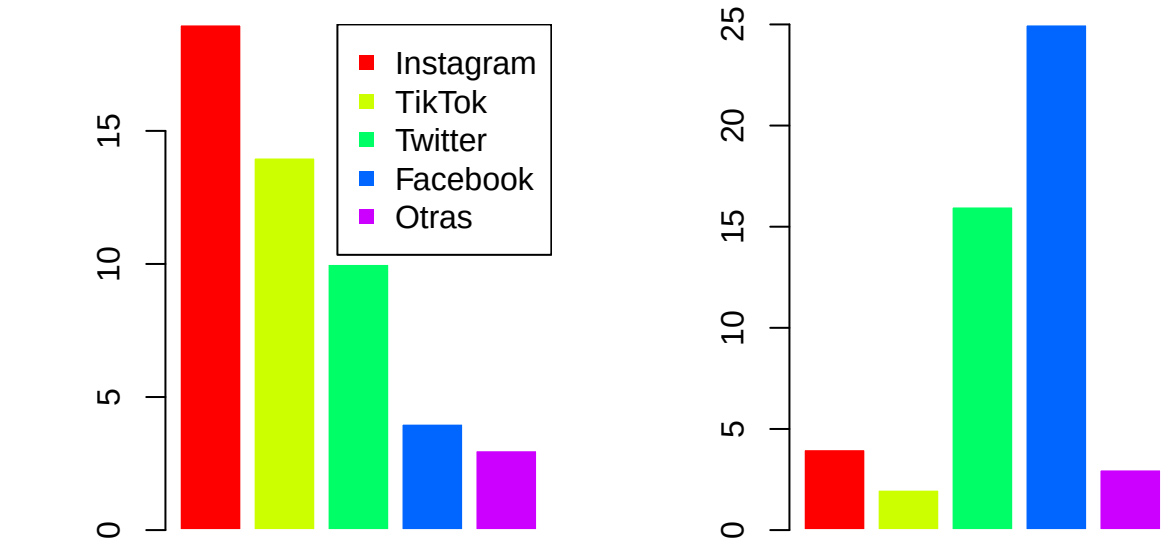
```
library(readr)
library(dplyr)
data_1 <- read_delim("data_1.csv", delim = ";",
                     escape_double = FALSE, trim_ws = TRUE)
names(data_1) = c("Red_Social", "Freq_Abs", "Freq_Rel")
```

Diagrama de barras

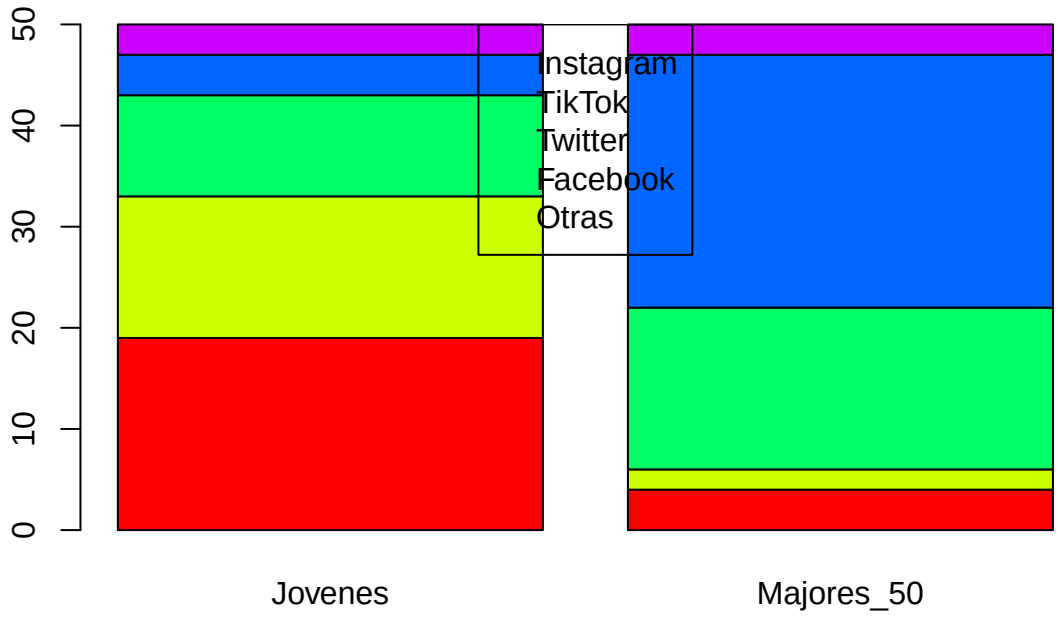
```
library(RColorBrewer)

barplot(data_1$Freq_Abs,
        names.arg = data_1$Red_Social,
        xlim = c(0, 20),
        main = "Frecuencia de uso de las redes sociales",
        col = brewer.pal(5, "Blues"),
        xlab = "Redes sociales preferidas",
        ylab = "Frequencias",
        cex.axis = 0.5,
        cex.names = 0.5,
        cex.lab = 1.2,
        width = 0.5,
        space = 0.5,
        border = "white",
        horiz = TRUE)


percentages <- round((data_1$Freq_Abs / sum(data_1$Freq_Abs)) * 100, 1)
text(x = data_1$Freq_Abs + 1,
     y = 1 : length(data_1$Red_Social) * 0.75,
     labels = paste(percentages, "%"),
     pos = 1)

legend("topright", legend = "leyenda", )
```



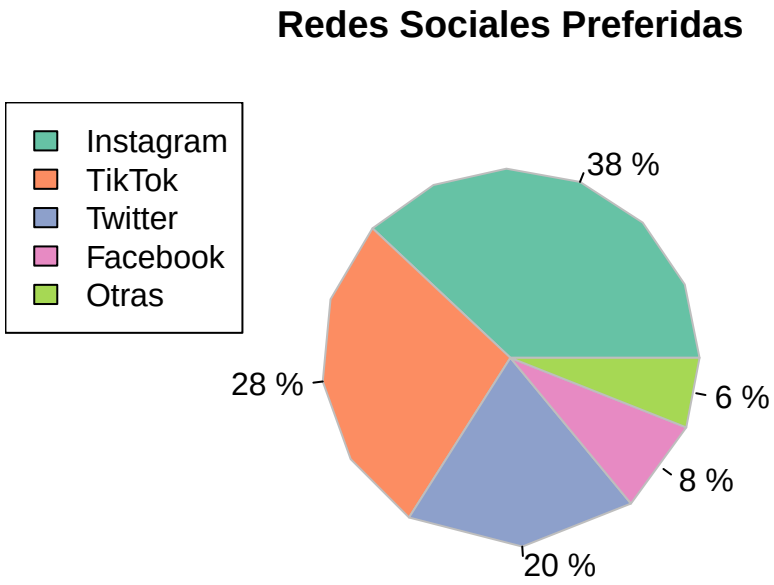

```
data_2 <- read_delim("data_2.csv", delim = ";",
    escape_double = FALSE, trim_ws = TRUE)

par(mfrow = c(1,2))
barplot(data_1$Freq_Abs,
        xlab = "Jovenes",
        main = "Frecuencia de uso de las redes sociales",
        col =rainbow(5),
        border = "white")

legend("topright", legend = data_1$Red_Social, col = rainbow(5), pch = 15)

barplot(data_2$Frecuencia_absoluta,
        xlab = "Majores de 50",
        ylab = NULL,
        col = rainbow(5),
        border = "white")
```



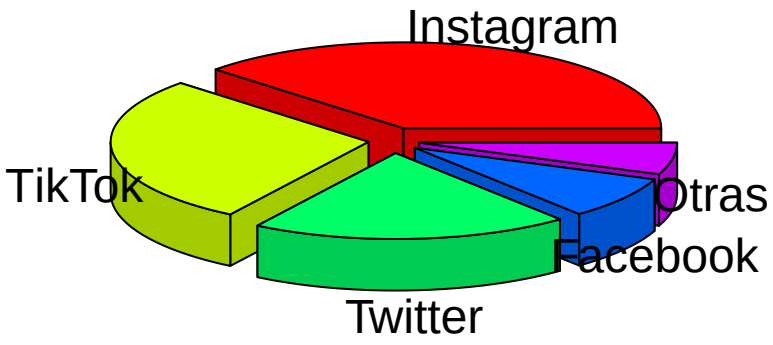

```
data_combined = data_1 %>% left_join(data_2) %>% select(-Freq_Rel)
names(data_combined) = c("Red_Social", "Jovenes", "Majores_50")

heigths = as.matrix(data_combined[,-1])
barplot(heigths,
        col = rainbow(5))
legend("top", data_combined$Red_Social, col = rainbow(5))
```




```
pie(data_1$Freq_Abs,
    labels = paste(data_1$Freq_Rel *100 , "%"),
    col = brewer.pal(5, "Set2"),
    border = "grey",
    main = "Redes Sociales Preferidas",
    edges = 20)
legend("topleft", data_1$Red_Social, fill = brewer.pal(5, "Set2"))
```




```
library(plotrix)
pie3D(data_1$Freq_Abs, labels = data_1$Red_Social, explode= 0.10)
```



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```
data_covid <- read_csv("casos_hosp_uci_def_sexo_edad_provres.csv")
str(data_covid)
```

```
## spc_tbl_ [1,299,030 x 8] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
##  $ provincia_iso: chr [1:1299030] "A" "A" "A" "A" ...
##  $ sexo         : chr [1:1299030] "H" "H" "H" "H" ...
##  $ grupo_edad   : chr [1:1299030] "0-9" "10-19" "20-29" "30-39" ...
##  $ fecha        : Date[1:1299030], format: "2020-01-01" "2020-01-01" ...
##  $ num_casos    : num [1:1299030] 0 0 0 0 0 0 0 0 0 0 ...
##  $ num_hosp     : num [1:1299030] 0 0 0 0 0 0 0 0 0 0 ...
##  $ num_uci      : num [1:1299030] 0 0 0 0 0 0 0 0 0 0 ...
##  $ num_def      : num [1:1299030] 0 0 0 0 0 0 0 0 0 0 ...
##  - attr(*, "spec")=
##   .. cols(
##   ..   provincia_iso = col_character(),
##   ..   sexo = col_character(),
##   ..   grupo_edad = col_character(),
##   ..   fecha = col_date(format = ""),
##   ..   num_casos = col_double(),
##   ..   num_hosp = col_double(),
##   ..   num_uci = col_double(),
```

```
##   ..   num_def = col_double()
##   .. )
##  - attr(*, "problems")=<externalptr>
```

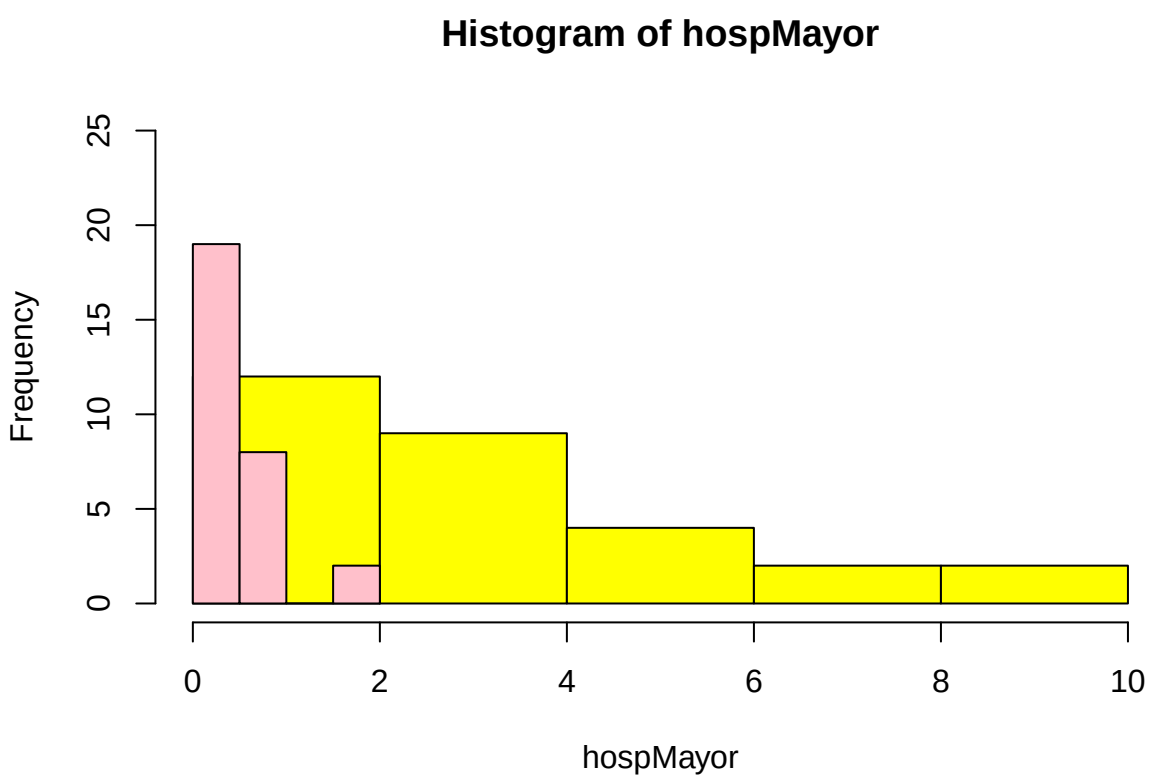
```
data_covid_date = data_covid %>%
  filter(fecha >= "2020/12/24" & fecha <= "2021/01/21") %>%
  filter(provincia_iso=="AL")

jovenes = data_covid_date %>%
  filter(grupo_edad == "20-29")

mayores60 = data_covid_date %>%
  filter(grupo_edad == "60-69")

hospJoven = jovenes$num_hosp[which(jovenes$sexo == "M")] + jovenes$num_hosp[which(jovenes$sexo == "H")]
hospMayor = mayores60$num_hosp[which(mayores60$sexo == "M")] + mayores60$num_hosp[which(mayores60$sexo =
```

```
hist(hospMayor, col=  "yellow", ylim=c(0,25))
hist(hospJoven, add= T, col = "pink")
```




```
# plot(c(1:39), mayores60$num_hosp[which(mayores60$sexo=="M")], col="white", xlab = "", ylab = "")
```

6)